NORTHROP GRUMMAN

Transmittal

Date: February 26, 2021

To: Michael Schulman
Remedial Project Manager, Superfund Division
U.S Environmental Protection Agency Region 9
75 Hawthorne Street, SFD-7-1
San Francisco, CA 94105

From: Shantal Der Boghosian, Environmental Remediation Project Manager
Northrop Grumman
One Space Park
Mail Stop: NGC CER-XE6D21
Redondo Beach, CA 90278

Subject/Title: 2020 Annual Groundwater Monitoring Report
Former TRW Microwave Site, 825 Stewart Drive, Sunnyvale, CA

CC: Kurt Batsel, DEXTRA
Holly Holbrook, AECOM
Jennifer Clay, GES
Tom Wright, GES

Northrop Grumman is submitting the above-referenced

	For your review and comment
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	For your signature

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Remarks:

If you have any questions or comments regarding the enclosed report, please feel free to contact Kurt Batsel at batsel@dextra-group.com.

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United States Environmental Protection Agency Region 9

2020 Annual Groundwater Monitoring Report

Former TRW Microwave Site

825 Stewart Drive, Sunnyvale, California

February 26, 2021

USEPA ID: CAD009159088

2020 Annual Groundwater Monitoring Report

Former TRW Microwave Site
825 Stewart Drive
Sunnyvale, CA 94085

Prepared for:
Northrop Grumman Systems Corporation
Corporate Environmental Remediation
One Space Park Drive
MS: NGC CER – XE6D21/W7
Redondo Beach, CA 90278

Prepared by:
Groundwater & Environmental Services, Inc.
9655 Granite Ridge Drive, Suite 200
San Diego, CA 92123
TEL: 866-640-4555
www.gesonline.com

Date:
February 26, 2021

Sergio Postigo, PG 9343
Staff Geologist

Tom Wright, PG 7972, CHg 980
Senior Project Manager

PROFESSIONAL GEOLOGIST
Tom Wright
No. 7972
Exp. 8/2022
STATE OF CALIFORNIA

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Acronyms

1,1-DCA	1,1-dichloroethane
1,1-DCE	1,1-dichlororethene
1,1,1-TCA	1,1,1-trichloroethane
1,2-DCB	1,2-dichlorobenzene
AMD	Advanced Micro Devices
bgs	below ground surface
BFM	bromoform
CBN	chlorobenzene
cDCE	cis-1,2-dichloroethene
CDM	chlorodibromomethane
CoC	constituent of concern
DTSC	Department of Toxic Substance Control
EAB	Enhanced Anaerobic Bioremediation
ESS	Environmental Sequence Stratigraphy
Eurofins	EurofinsTestAmerica Laboratories, Inc.
Ft	foot or feet
Freon 11	trichlorofluoromethane
Freon 12	dichlorodifluoromethane
Freon 113	1,1,2-trichloro-1,2,2-trifluoroethane
GES	Groundwater & Environmental Services, Inc.
HSUs	hydrostratograhic units
MCLs	Maximum Contaminant Levels
NPC	Non-Pumping Conditions
PCE	tetrachloroethene
Philips	Philips Semiconductors, Inc.
Report	2020 annual groundwater monitoring report
RWQCB	California Regional Water Quality Control Board – San Francisco Bay Region
SCRs	Site cleanup requirements
Site	former TRW Microwave Site
TCE	trichloroethene
tDCE	trans-1,2-dichloroethene
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VC	vinyl chloride
VOCs	volatile organic compounds
µg/L	micrograms per liter

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1 Introduction

Groundwater Environmental Services, Inc. (GES) on behalf of Northrop Grumman Systems Corporation (Northrop Grumman), has prepared this 2020 annual groundwater monitoring report (report) for the former TRW Microwave Site (Site) in Sunnyvale, California (**Figure 1**). This report presents the results of the 2020 groundwater monitoring program conducted at the Site. The United States Environmental Protection Agency (USEPA) is the lead regulatory agency for the Site, after regulatory oversight transferred from the California Regional Water Quality Control Board – San Francisco Bay Region (RWQCB) on August 7, 2014 (USEPA, 2014).

The groundwater monitoring program includes annual monitoring activities previously established by the RWQCB (RWQCB, 1999) including Non-Pumping Conditions (NPC) evaluation (RWQCB, 2001), updates to the monitoring schedule approved by RWQCB and USEPA in 2007 and 2011 (RWQCB, 2007; RWQCB, 2011), and the removal of the Enhanced Anaerobic Bioremediation (EAB) monitoring program as proposed in the 2017 Annual Groundwater Monitoring and Remedial Progress Report (AECOM, 2020). Primary volatile organic compounds (VOCs) monitored at the Site are trichloroethene (TCE), cis-1,2-dichloroethene (cDCE), vinyl chloride (VC), and 1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113).

1.1 Groundwater Monitoring Well Network

Forty-nine (49) wells and the Eductor (a groundwater extraction pipe installed within the former underground storage tank [UST] gravel backfill pit) have been completed at the Site in five depth intervals, designated as Zones A, B1, B2, B3, and B4 (**Table 1**). These zones consist of permeable sediments, ranging from silty sand to sand and gravel, and are vertically separated by laterally continuous lower permeability clay and silt intervals. In Zone B1, multiple hydrostratograhic units (HSUs) have been reported. HSUs 1 and 2 are overlaid by HSU 3.

In 2004, wells T-1A and T-1B were abandoned with permission from RWQCB (CDM, 2004 and RWQCB, 2004). As discussed in the 2014 annual report (AECOM, 2015), four wells (T-2A, T-2B, T-2C, and T-3A) and the Eductor, all located inside the building, were destroyed in October and November 2014. In 2009, well T-6A was removed from the monitoring program from RWQCB (RWQCB, 2009). There is no available record of this well being destroyed, and the well is believed to still be in place. Installation of wells T-25Bs and T-25Bd were completed in December of 2018 in the vicinity of T-9B to address previously identified data gaps and serve as a replacement for well T-9B (AECOM, 2019). In October 2019, well T-9B was abandoned with approval from USEPA (USEPA, 2019). Details of the well abandonment will be provided in a separate report by AECOM. **Figure 2** shows the Site layout and existing well locations (as of October 2020).

1.2 Groundwater Monitoring Program

The NPC evaluation was initiated in April 2001 and involves the assessment of VOC concentration trends after complete suspension of groundwater extraction at the Site. The EAB program was initiated in October 2000 to remediate the former Site source area (the former UST area).

Select wells are sampled on an annual basis. For the 2020 calendar year, Northrop Grumman continued the monitoring schedule approved by RWQCB in 2007 and 2011 (RWQCB, 2007; RWQCB, 2011) and the removal of the EAB monitoring program in 2017 (AECOM, 2020).

All groundwater samples were analyzed for VOCs using USEPA Method 8260B.

2 Site Activities

GES conducted the 2020 annual groundwater monitoring event for the NPC evaluation.

2.1 Groundwater Monitoring

Groundwater levels were measured in all accessible Site wells on October 12, 2020, in conjunction with the annual groundwater monitoring events for surrounding sites (adjacent operable units and the off-site operable unit). Groundwater samples were collected from 31 monitoring wells between October 12 and October 15, 2020. Additional groundwater analytical data collected and provided by adjacent properties is also included in this report. A description of standard field procedures utilized for groundwater sampling and copies of the low-flow sampling logs for each well are included in **Appendix A**.

Samples were collected in laboratory-supplied bottleware, placed on ice, and transported under chain of custody to Eurofins Test America, Laboratories, Inc. (Eurofins) for analysis of VOCs by USEPA Method 8260B.

Purge and decontamination water was placed in a 55-gallon drum and stored on-site until profiled and disposed of off-site as non-hazardous waste at a USEPA-approved facility.

3 Results

A discussion of the water-level elevations and groundwater analytical results for the October 2020 annual groundwater monitoring event is presented below.

3.1 Water-Level Elevations

The October 2020 water-level elevation data for the Site wells is presented in **Table 2, Figures 3** through **6,** and historical water-level data is presented in **Appendix C**. Potentiometric surface contours generated for Zones A, B1, and B2 using the October 2020 water-level elevation data are presented on **Figures 3** through **6**. In both Zone B3 and Zone B4, there is only one Site well screened within each zone, and therefore a potentiometric surface is not contoured for those zones.

As reported in the Environmental Sequence Stratigraphy (ESS) evaluation (Burns & McDonnell, 2020), groundwater movement is influenced locally by channelized flow related to stream deposits. The gray areas depicted in **Figures 3** through **6** represent areas of low permeability silt/clay-rich floodplain deposits that reportedly impede groundwater flow relative to the higher permeability sand/gravel stream channel deposits.

In October 2020, the static depth to the water in Zone A ranged from approximately 5.91 feet (ft.) (well 36-D) to 7.70 ft. below ground surface (bgs) (well 38-S). Groundwater flow in Zone A is to the north at a gradient ranging from 0.004 to 0.007 vertical ft. per horizontal ft. The groundwater flow in Zone B1 is north-northwest at a gradient ranging from 0.004 to 0.010 vertical ft. per horizontal ft. Groundwater flow in Zone B2 is to the northwest at a gradient ranging from 0.004 to 0.008 vertical ft. per horizontal ft. Water levels and groundwater movement in Zones B1 and B2 have been reported to be affected by groundwater extraction at the Philips Semiconductors, Inc. (Philips) sites (located to the west at 811 East Arques Avenue and 440 North Wolfe Road) (AECOM, 2020; Locus, 2016). Groundwater flow directions in Zone A, Zone B1, and Zone B2 are consistent with historical reporting (AECOM, 2020).

Groundwater elevations in Zone A wells during the October 2020 monitoring event in general decreased in elevation on average by 0.19 ft. compared to the October 2019 measurements. Water levels in Zone B1 wells during October 2020 also in general decreased in elevation on average by 0.41 ft compared to October 2019. Water levels in Zone B2 wells during October 2020 decreased in elevation on average by 0.80 ft. compared to October 2019, with the exception of well 36-DD, at which groundwater elevation increased by 0.09 ft.

3.2 Groundwater Analytical Results

VOCs detected during the October 2020 groundwater sampling events are summarized in **Table 3** and the historical results for previous monitoring events for pre- and post-EAB monitoring events, are presented in **Appendix D**. Historically, low concentrations of other VOCs (e.g., chloroform) have occasionally been reported. These VOCs are not listed in **Table 3** or **Appendix D** as they are not a site constituent of concern (CoC) and have not been reported above their Site cleanup requirements (SCRs) (e.g., California Maximum Contaminant Levels [MCLs] or action levels, federal MCLs, or risk-based levels). Site CoCs include tetrachloroethene (PCE), TCE, cDCE, trans-1,2-dichloroethene (tDCE), VC, 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichlororethene (1,1-DCE), 1,1-dichloroethane (1,1-DCA), chlorodibromomethane (CDM), trichlorofluoromethane (Freon 11), dichlorodifluoromethane (Freon 12), Freon 113, bromoform (BFM), 1,2-dichlorobenzene (1,2-DCB), and chlorobenzene (CBN).

Figures 7 through **9** present the analytical results for TCE, cDCE, VC, and Freon 113, as appropriate, for each of the zones (A, B1, and B2). Time-series graphs of TCE and cDCE concentrations vs. time for representative Site wells, and are presented as follows:

- **Figure 10** and **11:** Seven wells in Zone A (T-2A, T-7A, T-8A, T-9A, T-13A, T-15A, and T-16A).
- **Figures 12** and **13:** Seven wells in Zone B1 (T-2B, T-4B, T-7B, T-8B, T-9B, T-10B, T-17B, T-25Bs and T-25Bd).
- **Figures 14** and **15:** on-site Zone B2 wells (T-2C, T-10C, T-11C, and T-12C).

Note that wells T-2A, T-2B, T-2C and T-9B are still included on these figures for reference, even though the wells no longer exist.

A graph of concentrations of PCE, TCE, cDCE, tDCE, and VC for October 2020 at select wells, along the general groundwater flow direction in Zone A, across the Site are presented on **Figure 16**. Due to the identified separate HSUs in Zone B1 (AECOM, 2016), a similar figure is not presented for Zone B1.

For selected Site wells, trend plots of chlorinated ethene concentrations prior to and after suspension of groundwater extraction in April 2001 are presented in **Appendix D**. Copies of the laboratory analytical reports and chain-of-custody forms for the 2020 groundwater monitoring events are in **Appendix E**.

3.2.1 Site Zone A and Zone B1 Upgradient Wells

Zone A

2020 Groundwater analytical results for CoCs from Zone A well T-7A, located along the upgradient southern Site boundary (**Figure 7**), indicate migration of CoCs, primarily TCE and cDCE, onto the Site. Concentrations of TCE migrating onto the Site (around well T-7A) are similar to or greater than those for wells downgradient of the former Site source area in Zone A (see **Figure 16**).

- The TCE concentration for upgradient Zone A well T-7A was reported at 110 µg/L. The result for T-7A is within the historical range of concentrations for this well.
- The cDCE concentrations for upgradient Zone A well T-7A was reported at 100 µg/L. The result for T-7a is within the historical range of concentrations for this well.
- Concentrations for other CoCs were either reported below reporting limits or less than MCLs.

Zone B1

Groundwater analytical results for CoCs from Zone B1 wells T-5B, T-7B, and T-20B along the upgradient Site boundary (**Figure 8**) also indicate CoC migration onto the Site.

- The TCE concentrations for upgradient Zone B1 wells were reported to range from 64 µg/L (T-7B) to 810 µg/L (T-5B). All reported concentrations of TCE are within the historical range.
- The cDCE concentrations for upgradient Zone B1 wells were reported to range from 5.5 µg/L (T-7B) to 51 µg/L (T-5B). All reported concentrations of cDCE are within the historical range of concentrations.
- The VC concentrations for upgradient Zone B1 wells were reported to range from below reporting limit (T-5B and T-7B) to 23 µg/L (T-20B). All reported concentrations of VC are within the historical range of concentrations, with the exception of T-20B (first sampled October 2017).
- Concentrations for other CoCs were either reported below reporting limits or less than MCLs.

3.2.2 Site Zone A and Zone B1 Downgradient Wells

Zone A

Groundwater analytical results for CoCs from Zone A wells T-8A, T-9A, T-13A, T-14A, T-15A, T-16A, T-17A, T-19A, T-23A, T-25A, and 38-S, located downgradient of the southern Site boundary, are depicted on **Figure 7**, and summarized below.

- TCE concentrations for downgradient Zone A wells were reported to range from 0.16 (J) µg/L (T-19A) to 70 µg/L (T-8A). All reported concentrations of TCE are within the historical range of concentrations.
- cDCE concentrations for downgradient Zone A wells were reported to range from 7.9 µg/L (T-19A) to 91 µg/L (T-9A). All reported concentrations of cDCE are within the historical range of concentrations.
- VC concentrations for downgradient Zone A wells were reported to range from 0.85 µg/L (T-8A) to 30 µg/L (T-19A). All a reported concentrations of VC are within the historical range of concentrations.
- Concentrations for other CoCs were either reported below reporting limits or less than MCLs.

Concentrations of TCE and cDCE at the downgradient wells are lower than the upgradient well T-7A (see **Figure 16**). Concentration trend plots for select Zone A wells (T-7A, T-8A, T-9A, T-13A, T-14A, T-15A, and T-16A) are included in **Appendix D**.

Zone B1

Groundwater analytical results for CoCs from Zone B1 wells T-4B, T-8B, T-10B, T-17B, T-19B, T-21B, T-22B, T-23B, T-24B, T-25Bs, and T-25Bd, located downgradient of the southern Site boundary, are depicted on **Figure 8**.

- TCE concentrations for downgradient Zone B1 wells were reported to range from 2.4 µg/L (T-25Bs) to 350 µg/L (T-21B). All reported concentrations of TCE are within the historical range of concentrations, with the exception of T-25Bs (first sampled December 2018) which had the lowest reported concentration to date.
- cDCE concentrations for downgradient Zone B1 wells were reported to range from 1.4 µg/L (T-19B) to 530 µg/L (T-4B). All reported concentrations of cDCE are within the historical range of concentrations.
- VC concentrations for downgradient Zone B1 wells were reported to range from below reporting limit (T-4B, T-17B, T-19B, T-21B, T-22B, and T-25Bd) to 200 µg/L (T-25Bs).
- Concentrations for other CoCs were either reported below reporting limits or less than MCLs.

Concentration trend plots for select Zone B wells (T-4B, T-7B, T-8B, T-10B, and T-17B) are included in **Appendix D**.

3.2.3 Site Zone B2 Wells

Groundwater analytical results for CoCs from Zone B2 wells T-10C, T-11C, and T-12C, located onsite, are depicted on **Figure 9**.

- TCE concentrations for Zone B2 wells were reported to range from 120 µg/L (T-12C) to 420 µg/L (T-10C). All reported concentrations of TCE are within the historical range of concentrations.
- cDCE concentrations for Zone B2 wells were reported to range from 23 µg/L (T-12C) to 680 µg/L (T-10C). All reported concentrations of cDCE are within the historical range of concentrations.
- VC concentrations for Zone B2 wells were reported to range from not reported above the laboratory reporting limit (T-12C) to 8.3 µg/L (T-10C). All reported concentrations of VC are within the historical range of concentrations.
- Freon 113 concentrations for Zone B2 wells were reported to range from 1.6 µg/L (T-12C) to 140 µg/L (T-10C). Presence of Freon 113 in these wells is associated with offsite contamination, indicating a possible impact to these Zone B2 wells by offsite sources.
- Concentrations for other CoCs were either reported below reporting limits or less than MCLs.

3.2.4 Off-site Groundwater Analytical Data

The VOC results for the October 2020 monitoring events for the following nearby sites were provided to Northrop Grumman and reviewed during the preparation of this annual report:

- Philips 811 Arques former Signetics site (RWQCB ID SL721141219 /USEPA ID CAD070466479);
- Advanced Micro Devices (AMD) property: 915 DeGuigne Drive (Department of Toxic Substance Control [DTSC] ID 43360095);
- Advanced Micro Devices (AMD) property: 901/902 Thompson Place Facility (RWQCB ID SL720041205/USEPA ID CAD048634059) sites;
- Offsite Operable Unit (OOU), a combined area downgradient of the other sites (RWQCB ID T10000005145/USEPA ID multiple), and;
- Stewart Drive Operable Unit (SDOU) Subunits 3 and 4, CSOU, Subunit 1 and Subunit 2 & 999 Arques.

The October 2020 reported data indicates that the neighboring Philips 811 Arques former Signetics site continues to report VOC impacts in groundwater with maximum concentrations of TCE reported at 25,000 µg/L (S158A) and cDCE reported at 69,000 µg/L (S140A). Both wells are located west-southwest of TRW Microwave in an area of reported groundwater extraction (Locus, 2016). A table showing nearby off-site monitoring wells with groundwater data and copies of the tables provided by the other properties are in **Appendix F**.

VOC data for the AMD 901/902 Thompson Place site, located upgradient of the Site, indicate a maximum TCE concentration of 50 µg/L (23S) for Zone A and 220 µg/L (23D) for Zone B1.

TCE concentrations on the AMD 915 DeGuigne Drive site, located downgradient of the Site, indicate a maximum of 90 µg/L (2-SR) for Zone A and 96 µg/L (40-D) for Zone B1.

TCE concentrations on the OOU site, located downgradient of the Site, indicate a maximum of 88 µg/L (S076A) for Zone A and 96 µg/L (40-D) for Zone B1.

TCE concentrations on the Stewart Drive Operable Unit site, located upgradient of the Site, indicate a maximum of 240 µg/L (SU4A-1) for Zone A and 230 µg/L (73B1) for Zone B1.

TCE concentrations on the Mohawk Laboratories site, located upgradient of the Site, indicate a maximum of 370 µg/L (RCW-01B) for Zone A, in Subunit 1, and 31 µg/L (EW-01A), also for Zone A but in Subunit 2 & 999 Arques.

The VOC concentrations observed in wells along the upgradient Site boundary were reported as attributing to the migration of contamination from upgradient properties such as Mohawk Laboratories (SL20201820) and AMD (Burns & McDonnell, 2020). The data reported for the upgradient wells 36S, 36D, and T-7A is consistent with the observations regarding migration of contamination from upgradient properties (**Appendix F**).

4 Waste Management

Wastewater generated during groundwater monitoring activities was temporarily stored on site before being transferred for offsite treatment or disposal at a USEPA-approved facility. The non-hazardous waste disposal manifest for wastewater transferred off-site during the annual monitoring period is in **Appendix G**.

5 Conclusions

Groundwater monitoring data collected through 2020 support the following conclusions:

- Groundwater movement generally flows to the north with slight variability between Zones A, B1, and B2.
- Impact to the Site from off-site sources continues to be reported in Zones A, B1, and B2. This continued migration of VOC-impacted groundwater onto the Site complicates long-term achievement of Site cleanup goals.

6 Recommendations

Based on these conclusions, the following action(s) are recommended:

- Continue annual groundwater monitoring to monitor the impacts from offsite sources.

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Figures

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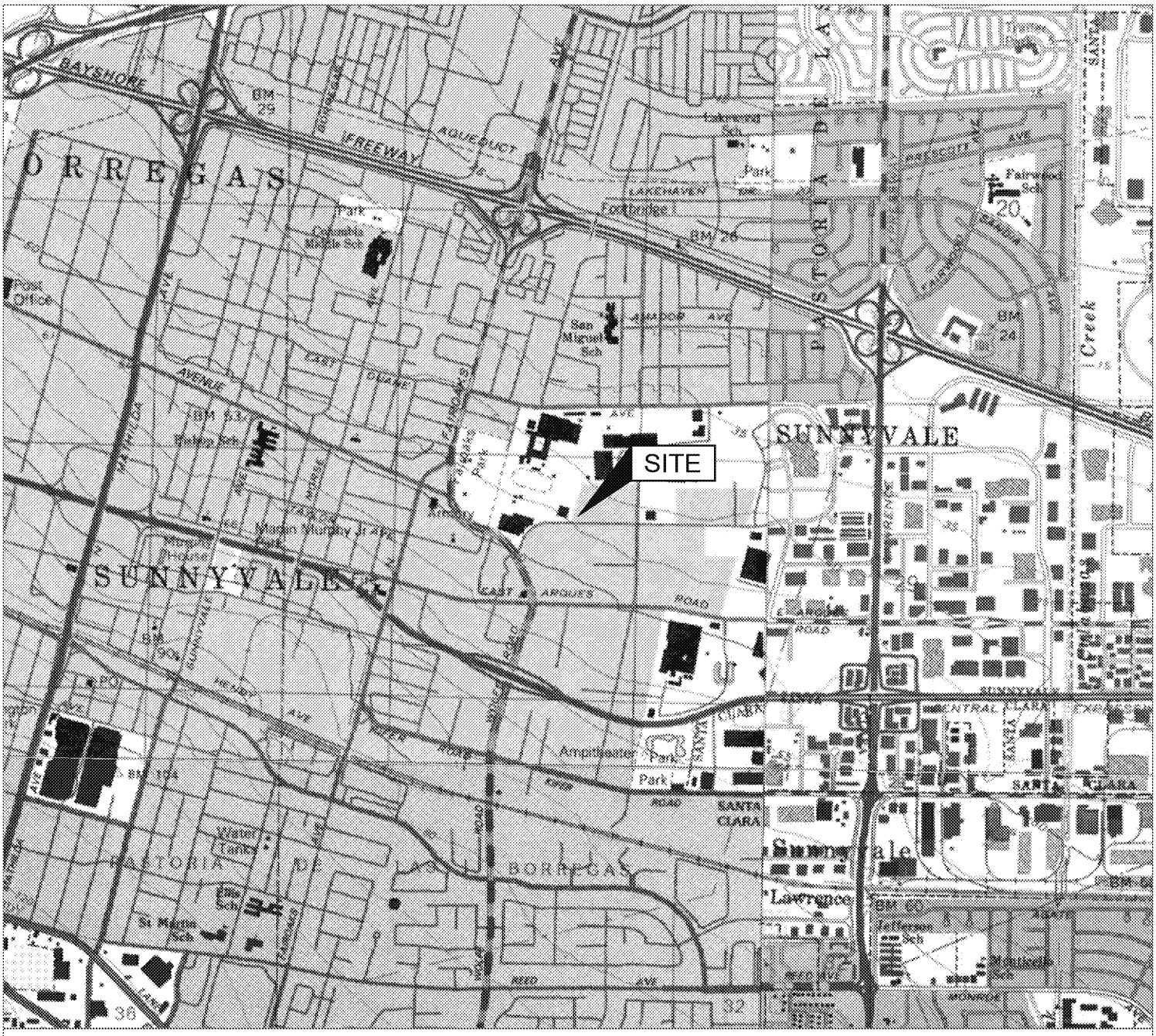
Figure 16 – Chlorinated Ethene Concentrations, Zone A – October 2020



Source:
USGS 7.5 Minute Series
Topographic Quadrangle, 1997
Mountain View, California
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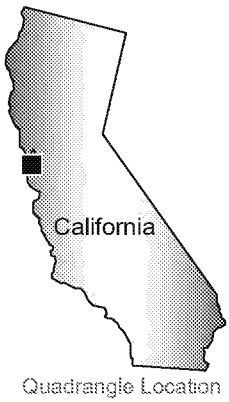
Township - 6S
Range - 1W



Quadrangle Location

Site Location Map

Northrop Grumman Systems Corporation
Former TRW Microwave Site
825 Stewart Drive
Sunnyvale, California

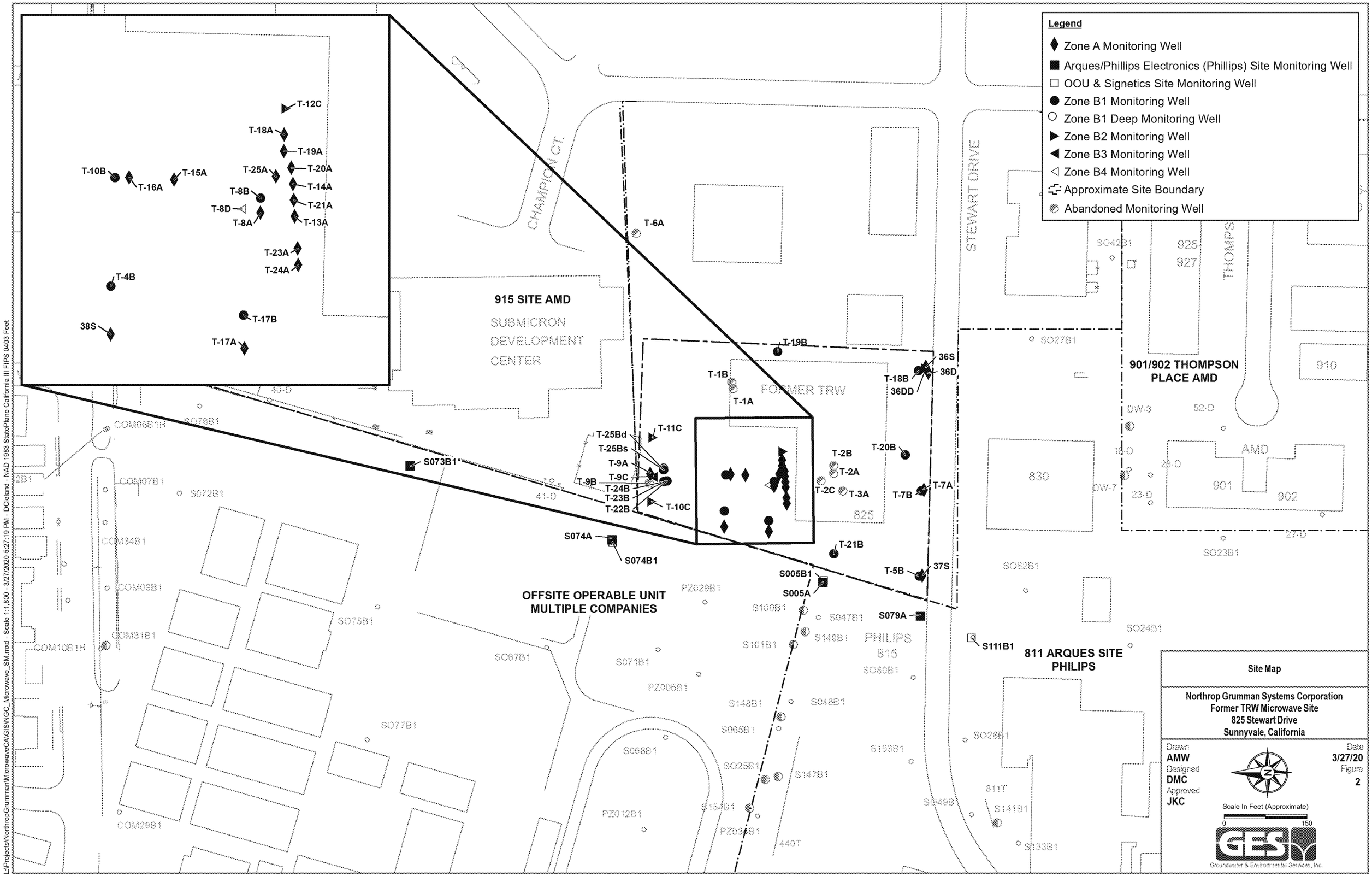
Drawn
E.V.
Designed
J.K.C.
Approved
T.W.

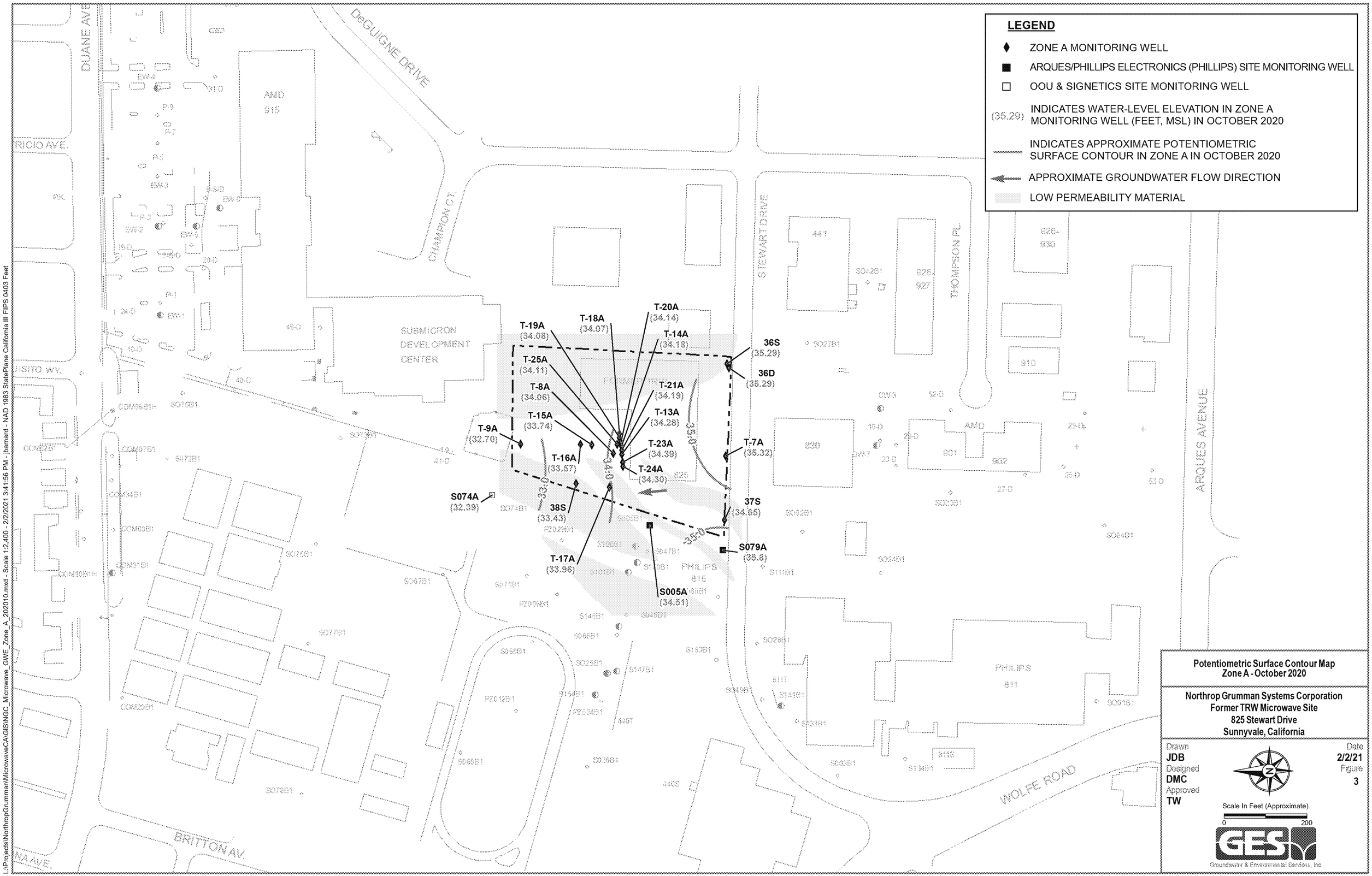
Date
10/25/19
Figure
1

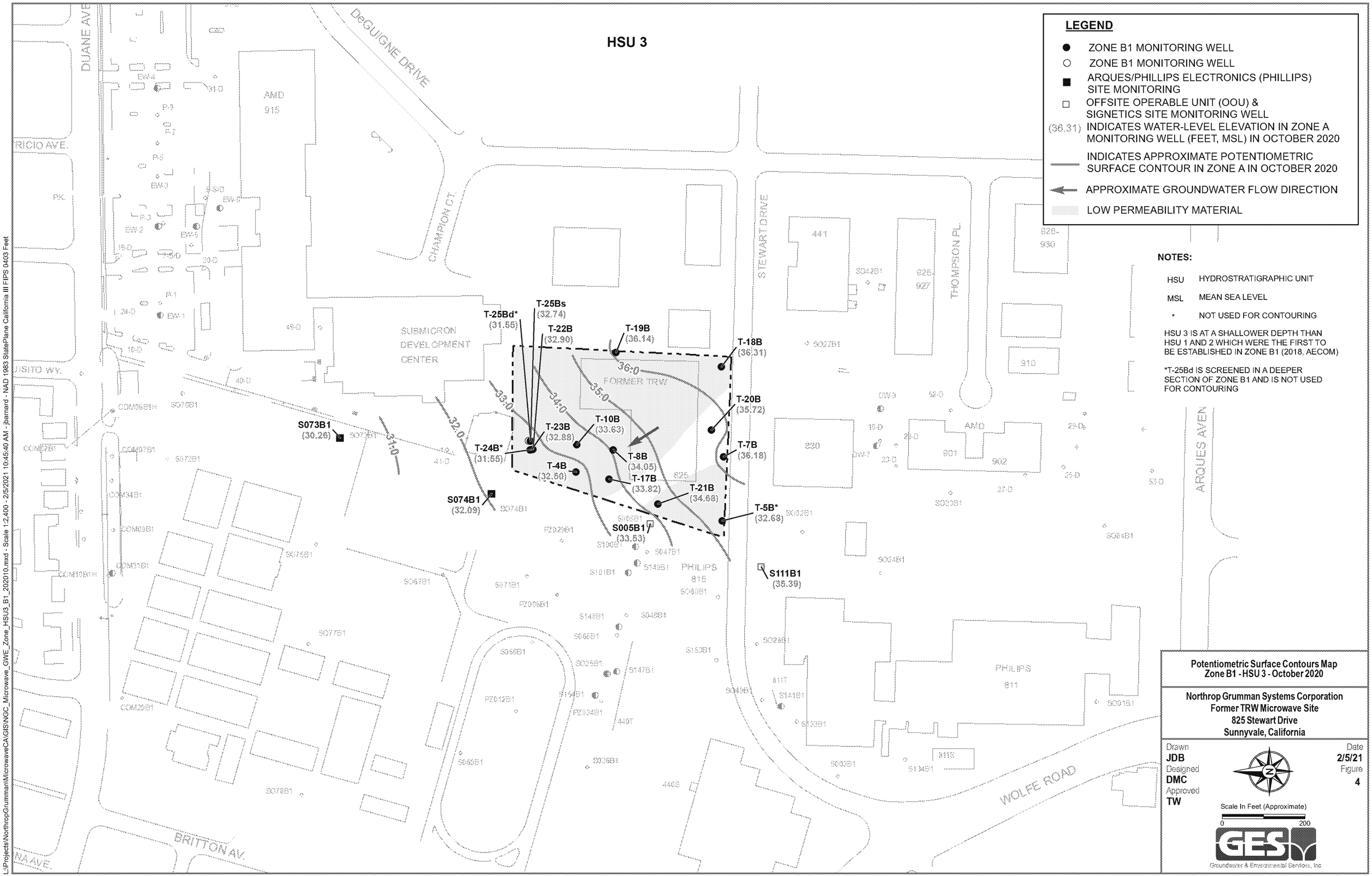
Scale In Feet
0 2,000

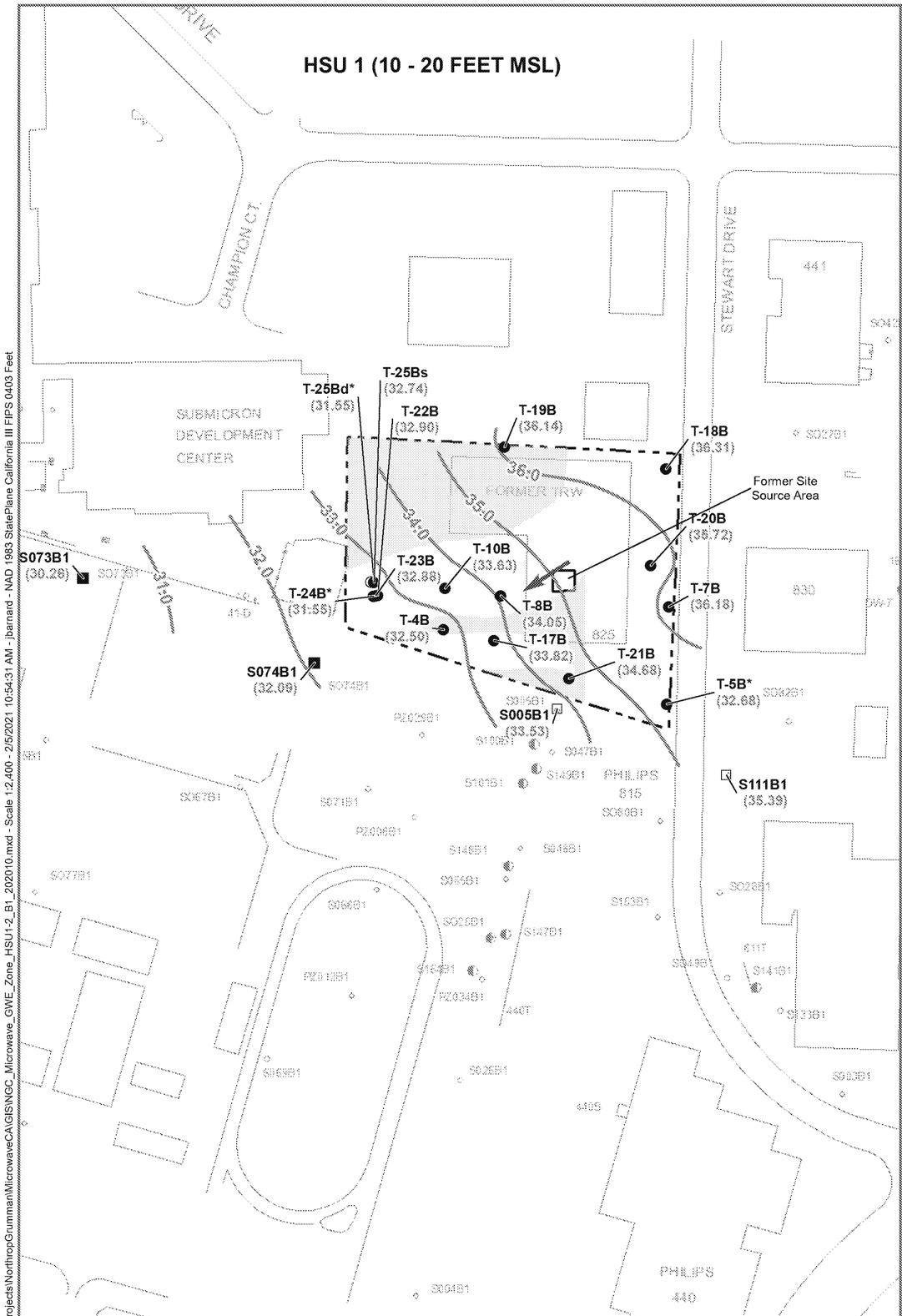
GES
Groundwater & Environmental Services, Inc.

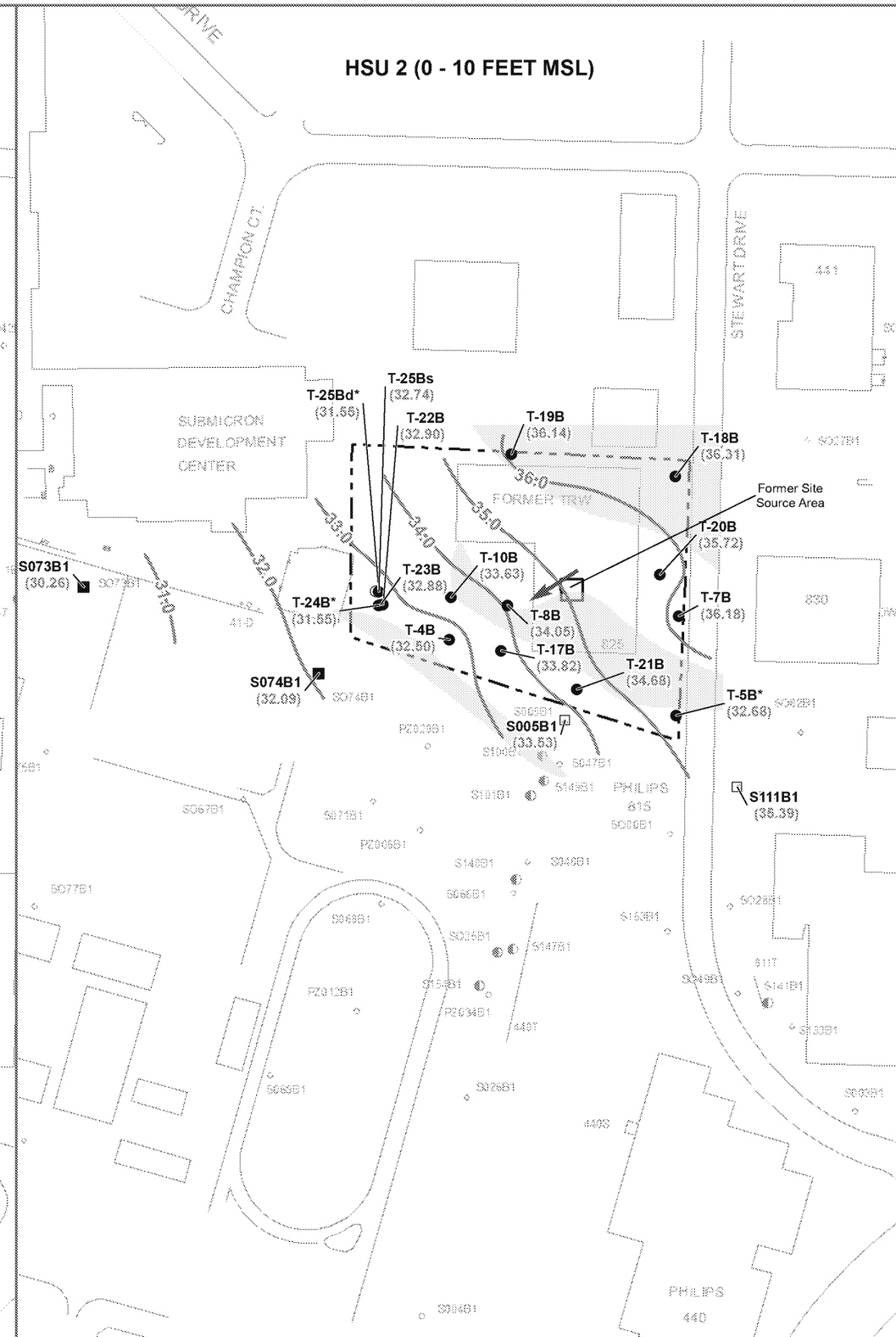
M:\Graphics\3000-CA-North\Northrop Grumman\Sunnyvale-Microwave\NGC_Sunnyvale-Microwave SLM.dwg, SLM, EVega


Legend
Zone A Monitoring Well
Arques/Phillips Electronics (Phillips) Site Monitoring Well
OOU & Signetics Site Monitoring Well
Zone B1 Monitoring Well
Zone B1 Deep Monitoring Well
Zone B2 Monitoring Well
Zone B3 Monitoring Well
Zone B4 Monitoring Well
Approximate Site Boundary
Abandoned Monitoring Well
T-12C
T-18A
T-19A
T-10B
T-15A
T-25A
T-20A
T-16A
T-14A
T-8B
T-21A
T-8D
T-8A
T-13A
T-23A
T-24A
T-4B
T-17B
38S
T-17A
T-6A
CHAMPION CT.
STEWART DRIVE
THOMPS
915 SITE AMD
SUBMICRON
DEVELOPMENT
CENTER
T-19B
T-1B
T-1A
FORMER TRW
36S
36D
T-18B
36DD
901/902 THOMPSON
PLACE AMD
T-11C
T-25Bd
T-25Bs
T-9A
T-9C
T-9B
T-24B
T-23B
T-22B
T-10C
S073B1
T-2B
T-2A
T-2C
T-3A
T-20B
T-7B
T-7A
825
830
901
902
AMD
910
925
927
S074A
S074B1
T-21B
S005B1
S005A
T-5B
37S
S079A
OFFSITE OPERABLE UNIT
MULTIPLE COMPANIES
PHILIPS
815
S111B1
811 ARQUES SITE
PHILIPS
Site Map
Northrop Grumman Systems Corporation
Former TRW Microwave Site
825 Stewart Drive
Sunnyvale, California
Drawn
AMW
Designed
DMC
Approved
JKC
Date
3/27/20
Figure
2
Scale In Feet (Approximate)
0
150
GES
Groundwater & Environmental Services, Inc.
L:\Projects\NorthropGrumman\MicrowaveCA\GIS\NGC_Microwave_SM.mxd - Scale 1:1,800 - 3/27/2020 5:27:19 PM - DCleland - NAD 1983 StatePlane California III FIPS 0403 Feet


LEGEND
ZONE A MONITORING WELL
ARQUES/PHILLIPS ELECTRONICS (PHILLIPS) SITE MONITORING WELL
OOU & SIGNETICS SITE MONITORING WELL
(35.29) INDICATES WATER-LEVEL ELEVATION IN ZONE A MONITORING WELL (FEET, MSL) IN OCTOBER 2020
INDICATES APPROXIMATE POTENTIOMETRIC SURFACE CONTOUR IN ZONE A IN OCTOBER 2020
APPROXIMATE GROUNDWATER FLOW DIRECTION
LOW PERMEABILITY MATERIAL
DeGUIGNE DRIVE
CHAMPION CT.
STEWART DRIVE
THOMPSON PL.
ARQUES AVENUE
WOLFE ROAD
BRITTON AV.
SUBMICRON DEVELOPMENT CENTER
PHILIPS
T-19A (34.08)
T-18A (34.07)
T-20A (34.14)
T-14A (34.18)
T-25A (34.11)
T-8A (34.06)
T-21A (34.19)
T-13A (34.28)
T-15A (33.74)
T-9A (32.70)
T-23A (34.39)
T-16A (33.57)
T-24A (34.30)
T-7A (35.32)
36S (35.29)
36D (35.29)
S074A (32.39)
38S (33.43)
37S (34.85)
T-17A (33.96)
S079A (35.8)
S005A (34.51)
35.0
34.0
33.0
Potentiometric Surface Contour Map
Zone A - October 2020
Northrop Grumman Systems Corporation
Former TRW Microwave Site
825 Stewart Drive
Sunnyvale, California
Drawn JDB
Designed DMC
Approved TW
Date 2/2/21
Figure 3
Scale In Feet (Approximate)
0 200
GES
Groundwater & Environmental Services, Inc
L:\Projects\NorthropGrumman\MicrowaveCA\GIS\NGC_Microwave_GWE_Zone_A_202010.mxd - Scale 1:2,400 - 2/2/2021 3:41:56 PM - jbarnard - NAD 1983 StatePlane California III FIPS 0403 Feet


HSU 3
LEGEND
ZONE B1 MONITORING WELL
ZONE B1 MONITORING WELL
ARQUES/PHILLIPS ELECTRONICS (PHILLIPS) SITE MONITORING
OFFSITE OPERABLE UNIT (OOU) & SIGNETICS SITE MONITORING WELL
(36.31) INDICATES WATER-LEVEL ELEVATION IN ZONE A MONITORING WELL (FEET, MSL) IN OCTOBER 2020
INDICATES APPROXIMATE POTENTIOMETRIC SURFACE CONTOUR IN ZONE A IN OCTOBER 2020
APPROXIMATE GROUNDWATER FLOW DIRECTION
LOW PERMEABILITY MATERIAL
NOTES:
HSU HYDROSTRATIGRAPHIC UNIT
MSL MEAN SEA LEVEL
* NOT USED FOR CONTOURING
HSU 3 IS AT A SHALLOWER DEPTH THAN HSU 1 AND 2 WHICH WERE THE FIRST TO BE ESTABLISHED IN ZONE B1 (2018, AECOM)
*T-25Bd IS SCREENED IN A DEEPER SECTION OF ZONE B1 AND IS NOT USED FOR CONTOURING
T-25Bd* (31.55)
T-25Bs (32.74)
T-22B (32.90)
T-19B (36.14)
T-18B (36.31)
T-20B (35.72)
T-7B (36.18)
T-10B (33.63)
T-23B (32.88)
T-24B* (31.55)
T-8B (34.05)
T-4B (32.50)
T-17B (33.82)
T-21B (34.68)
T-5B* (32.68)
S073B1 (30.26)
S074B1 (32.09)
S005B1 (33.53)
S111B1 (35.39)
36.0
35.0
34.0
33.0
32.0
31.0
FORMER TRW
SUBMICRON DEVELOPMENT CENTER
PHILIPS 815
PHILIPS 811
AMD 915
AMD 901
AMD 902
DUANE AVE.
DeGUIGNE DRIVE
CHAMPION CT.
STEWART DRIVE
THOMPSON PL.
ARQUES AVEN
WOLFE ROAD
BRITTON AV.
Potentiometric Surface Contours Map
Zone B1 - HSU 3 - October 2020
Northrop Grumman Systems Corporation
Former TRW Microwave Site
825 Stewart Drive
Sunnyvale, California
Drawn JDB
Designed DMC
Approved TW
Date 2/5/21
Figure 4
Scale In Feet (Approximate)
0 200
GES
Groundwater & Environmental Services, Inc
L:\Projects\NorthropGrumman\MicrowaveCA\GIS\NGC_Microwave_GWE_Zone_HSU3_B1_202010.mxd - Scale 1:2,400 - 2/5/2021 10:45:40 AM - jbarnard - NAD 1983 StatePlane California III FIPS 0403 Feet





LEGEND

- ● ZONE B1 MONITORING WELL
- ○ ZONE B1 DEEP MONITORING WELL
- ■ ARQUES/PHILLIPS ELECTRONICS (PHILLIPS) SITE MONITORING WELL
- □ OFFSITE OPERABLE UNIT (OOU) & SIGNETICS SITE MONITORING WELL
- (36.31) INDICATES WATER-LEVEL ELEVATION IN ZONE B1 MONITORING WELL (FEET, MSL) IN OCTOBER 2020
- INDICATES APPROXIMATE POTENTIOMETRIC SURFACE CONTOUR IN ZONE B1 IN OCTOBER 2020
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- LOW PERMEABILITY MATERIAL

NOTES:

HSU	HYDROSTRATIGRAPHIC UNIT
MSL	MEAN SEA LEVEL
*	NOT USED FOR CONTOURING

*T-25Bd IS SCREENED IN A DEEPER SECTION OF ZONE B1 AND IS NOT USED FOR CONTOURING

Potentiometric Surface Contours Map
Zone B1 HSUs 1 and 2 - October 2020

Northrop Grumman Systems Corporation
Former TRW Microwave Site
825 Stewart Drive
Sunnyvale, California

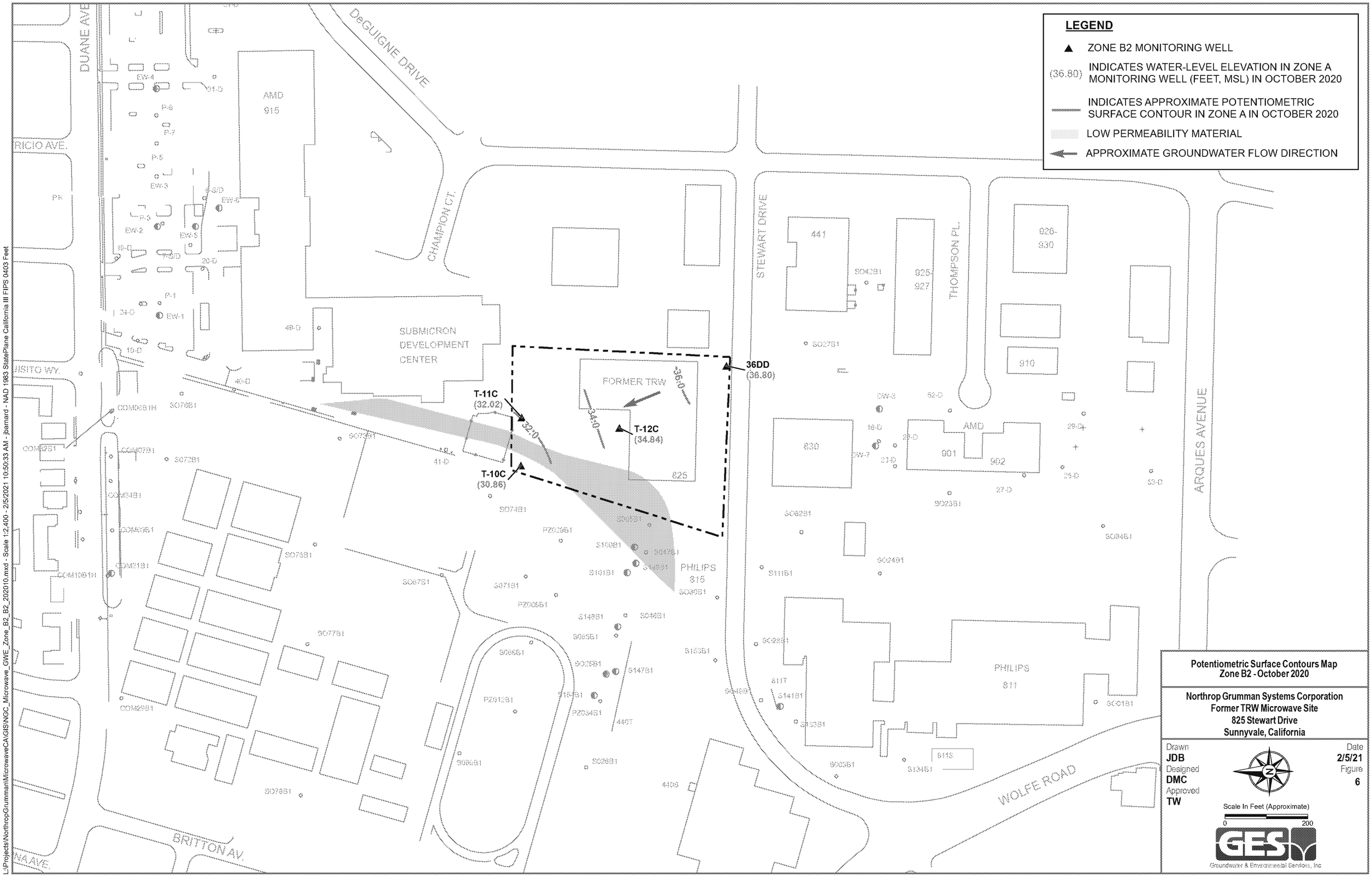
Drawn **JDB**
Designed **DMC**
Approved **TW**

Date **2/5/21**
Figure **5**

Scale In Feet (Approximate)
0 200

GES
Groundwater & Environmental Services, Inc

L:\Projects\NorthropGrumman\MicrowaveCA\GIS\NGC_Microwave_GWE_Zone_HSU1-2_B1_202010.mxd - Scale 1:2,400 - 2/5/2021 10:54:31 AM - jbarnard - NAD 1983 StatePlane California III FIPS 0403 Feet

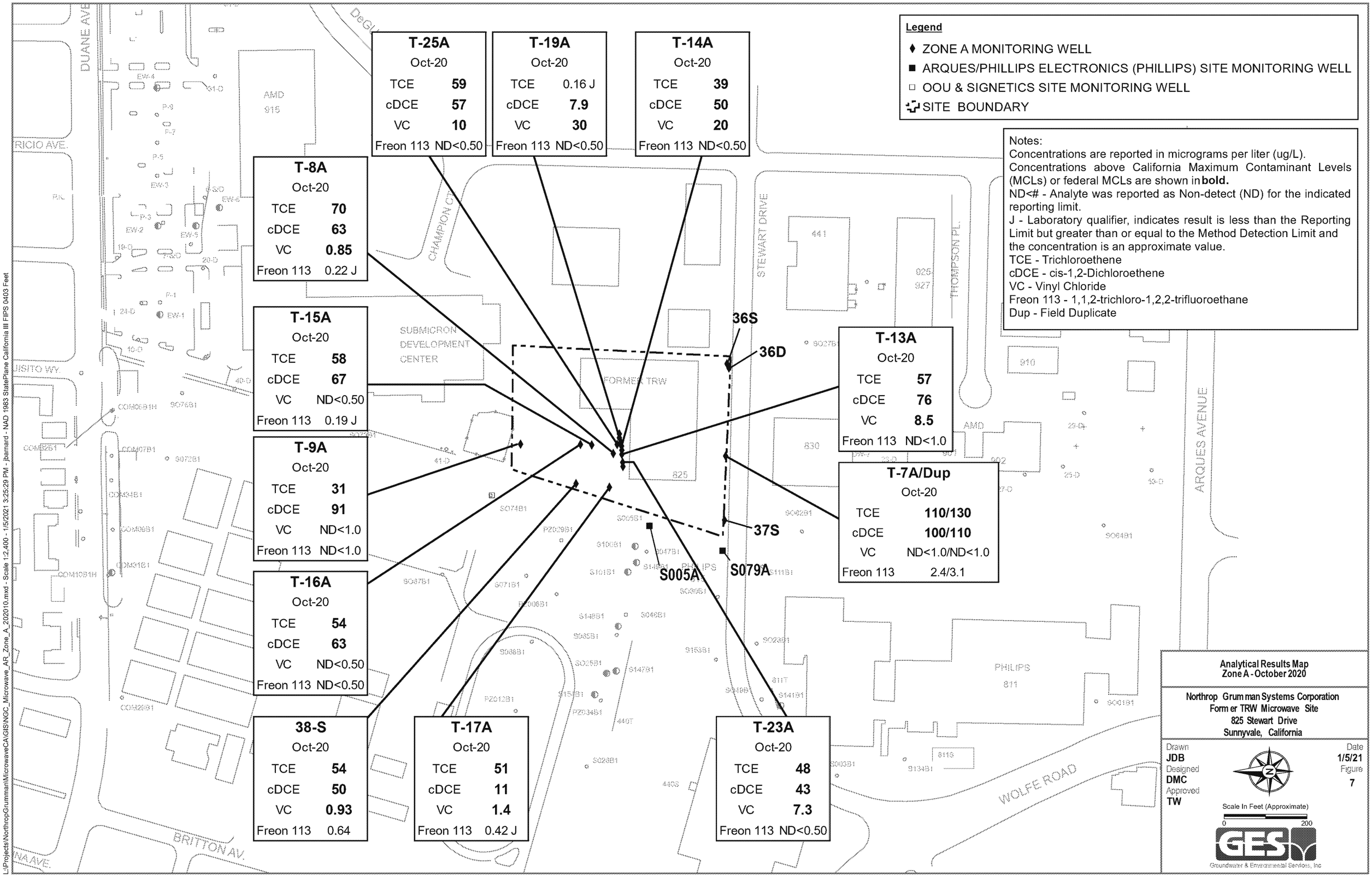


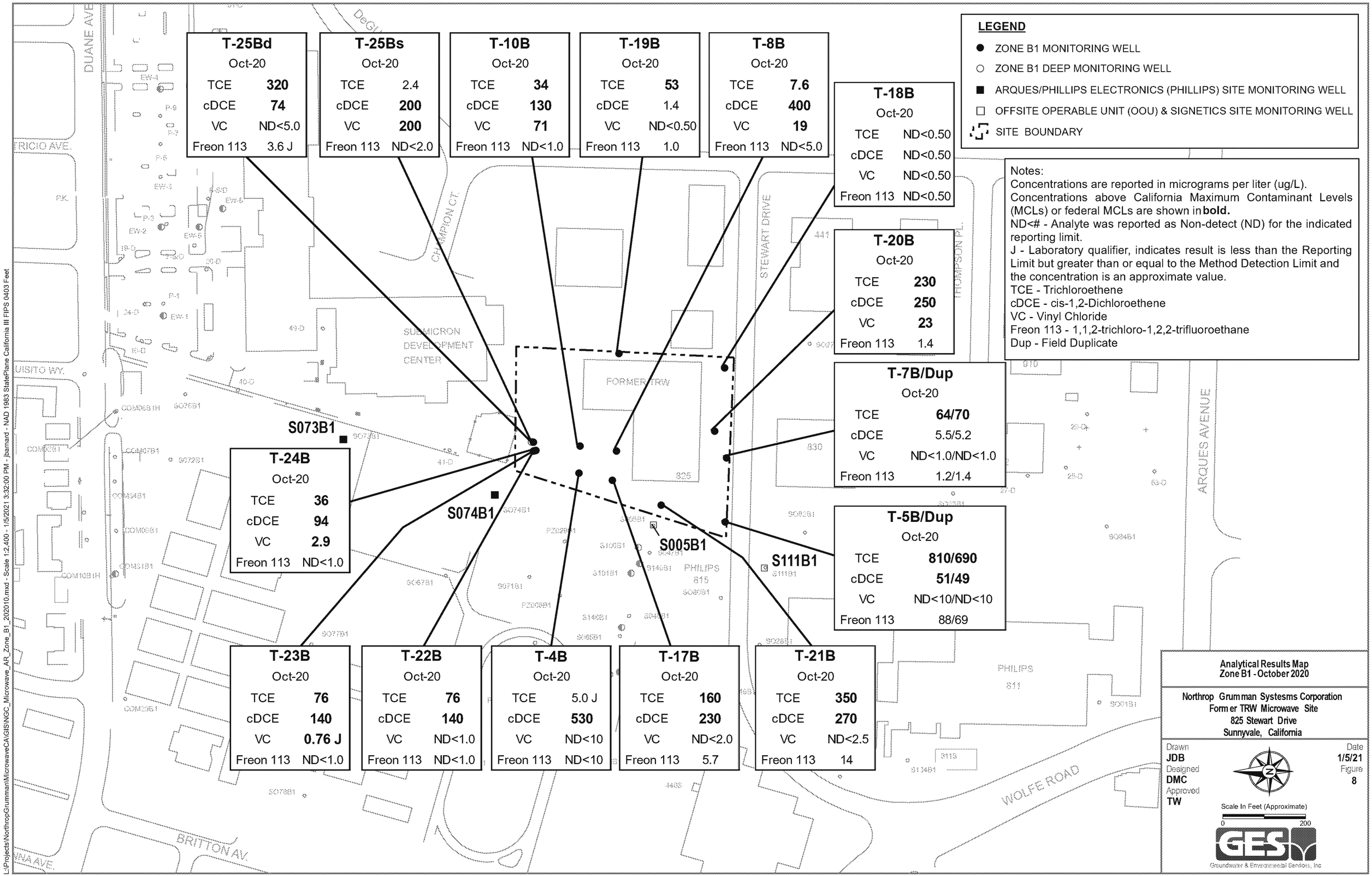
Potentiometric Surface Contours Map
Zone B2 - October 2020

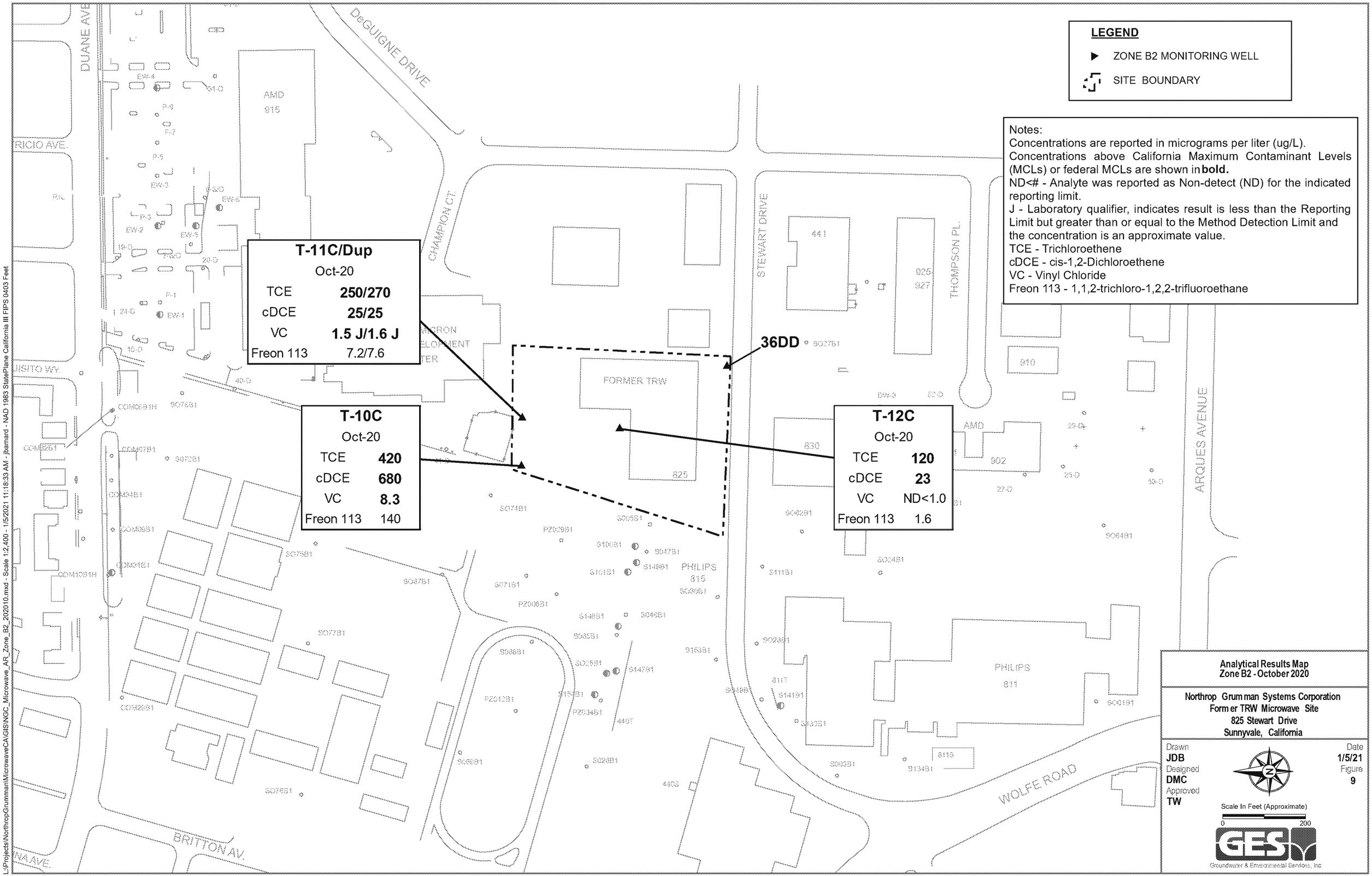
Northrop Grumman Systems Corporation
Former TRW Microwave Site
825 Stewart Drive
Sunnyvale, California

Drawn JDB
Designed DMC
Approved TW
Date 2/5/21
Figure 6

L:\Projects\NorthropGrumman\MicrowaveCA\GIS\NGC_Microwave_GWE_Zone_B2_B2_202010.mxd - Scale 1:2,400 - 2/5/2021 10:50:33 AM - jbarnard - NAD 1983 StatePlane California III FIPS 0403 Feet

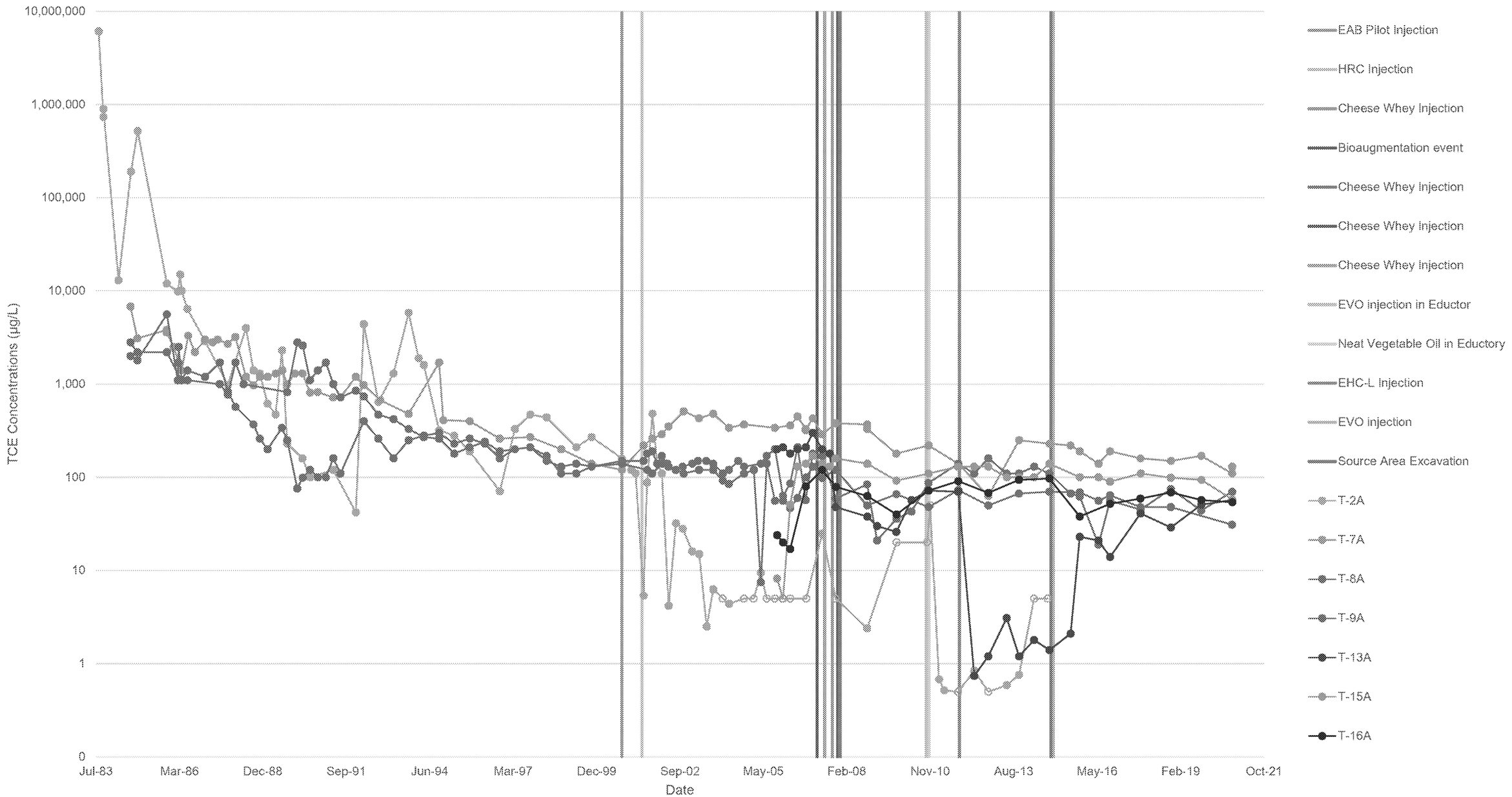

Legend
ZONE A MONITORING WELL
ARQUES/PHILLIPS ELECTRONICS (PHILLIPS) SITE MONITORING WELL
OOU & SIGNETICS SITE MONITORING WELL
SITE BOUNDARY
Notes:
Concentrations are reported in micrograms per liter (ug/L).
Concentrations above California Maximum Contaminant Levels (MCLs) or federal MCLs are shown in bold.
ND<# - Analyte was reported as Non-detect (ND) for the indicated reporting limit.
J - Laboratory qualifier, indicates result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
TCE - Trichloroethene
cDCE - cis-1,2-Dichloroethene
VC - Vinyl Chloride
Freon 113 - 1,1,2-trichloro-1,2,2-trifluoroethane
Dup - Field Duplicate
T-25A Oct-20 TCE 59 cDCE 57 VC 10 Freon 113 ND<0.50
T-19A Oct-20 TCE 0.16 J cDCE 7.9 VC 30 Freon 113 ND<0.50
T-14A Oct-20 TCE 39 cDCE 50 VC 20 Freon 113 ND<0.50
T-8A Oct-20 TCE 70 cDCE 63 VC 0.85 Freon 113 0.22 J
T-15A Oct-20 TCE 58 cDCE 67 VC ND<0.50 Freon 113 0.19 J
T-9A Oct-20 TCE 31 cDCE 91 VC ND<1.0 Freon 113 ND<1.0
T-16A Oct-20 TCE 54 cDCE 63 VC ND<0.50 Freon 113 ND<0.50
38-S Oct-20 TCE 54 cDCE 50 VC 0.93 Freon 113 0.64
T-17A Oct-20 TCE 51 cDCE 11 VC 1.4 Freon 113 0.42 J
T-23A Oct-20 TCE 48 cDCE 43 VC 7.3 Freon 113 ND<0.50
T-13A Oct-20 TCE 57 cDCE 76 VC 8.5 Freon 113 ND<1.0
T-7A/Dup Oct-20 TCE 110/130 cDCE 100/110 VC ND<1.0/ND<1.0 Freon 113 2.4/3.1
36S
36D
37S
S005A
S079A
DUANE AVE
RICIO AVE.
USITO WY.
BRITTON AV.
NA AVE.
CHAMPION CT
SUBMICRON DEVELOPMENT CENTER
FORMER TRW
STEWART DRIVE
THOMPSON PL
ARQUES AVENUE
PHILIPS
WOLFE ROAD
AMD
Analytical Results Map
Zone A - October 2020
Northrop Grumman Systems Corporation
Former TRW Microwave Site
825 Stewart Drive
Sunnyvale, California
Drawn JDB
Designed DMC
Approved TW
Date 1/5/21
Figure 7
Scale In Feet (Approximate)
0 200
GES
Groundwater & Environmental Services, Inc
L:\Projects\NorthropGrumman\MicrowaveCA\GIS\NGC_Microwave_AR_Zone_A_202010.mxd - Scale 1:2,400 - 1/5/2021 3:25:29 PM - jbarnard - NAD 1983 StatePlane California III FIPS 0403 Feet


T-25Bd
Oct-20
TCE 320
cDCE 74
VC ND<5.0
Freon 113 3.6 J
T-25Bs
Oct-20
TCE 2.4
cDCE 200
VC 200
Freon 113 ND<2.0
T-10B
Oct-20
TCE 34
cDCE 130
VC 71
Freon 113 ND<1.0
T-19B
Oct-20
TCE 53
cDCE 1.4
VC ND<0.50
Freon 113 1.0
T-8B
Oct-20
TCE 7.6
cDCE 400
VC 19
Freon 113 ND<5.0
T-18B
Oct-20
TCE ND<0.50
cDCE ND<0.50
VC ND<0.50
Freon 113 ND<0.50
T-20B
Oct-20
TCE 230
cDCE 250
VC 23
Freon 113 1.4
T-7B/Dup
Oct-20
TCE 64/70
cDCE 5.5/5.2
VC ND<1.0/ND<1.0
Freon 113 1.2/1.4
T-5B/Dup
Oct-20
TCE 810/690
cDCE 51/49
VC ND<10/ND<10
Freon 113 88/69
T-24B
Oct-20
TCE 36
cDCE 94
VC 2.9
Freon 113 ND<1.0
T-23B
Oct-20
TCE 76
cDCE 140
VC 0.76 J
Freon 113 ND<1.0
T-22B
Oct-20
TCE 76
cDCE 140
VC ND<1.0
Freon 113 ND<1.0
T-4B
Oct-20
TCE 5.0 J
cDCE 530
VC ND<10
Freon 113 ND<10
T-17B
Oct-20
TCE 160
cDCE 230
VC ND<2.0
Freon 113 5.7
T-21B
Oct-20
TCE 350
cDCE 270
VC ND<2.5
Freon 113 14
S073B1
S074B1
S005B1
S111B1
LEGEND
ZONE B1 MONITORING WELL
ZONE B1 DEEP MONITORING WELL
ARQUES/PHILLIPS ELECTRONICS (PHILLIPS) SITE MONITORING WELL
OFFSITE OPERABLE UNIT (OOU) & SIGNETICS SITE MONITORING WELL
SITE BOUNDARY
Notes:
Concentrations are reported in micrograms per liter (ug/L).
Concentrations above California Maximum Contaminant Levels (MCLs) or federal MCLs are shown in bold.
ND<# - Analyte was reported as Non-detect (ND) for the indicated reporting limit.
J - Laboratory qualifier, indicates result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
TCE - Trichloroethene
cDCE - cis-1,2-Dichloroethene
VC - Vinyl Chloride
Freon 113 - 1,1,2-trichloro-1,2,2-trifluoroethane
Dup - Field Duplicate
Analytical Results Map
Zone B1 - October 2020
Northrop Grumman Systesms Corporation
Former TRW Microwave Site
825 Stewart Drive
Sunnyvale, California
Drawn JDB
Designed DMC
Approved TW
Date 1/5/21
Figure 8
Scale In Feet (Approximate)
0 200
Groundwater & Environmental Services, Inc
DUANE AVE
TRICIO AVE.
CHAMPION CT.
STEWART DRIVE
THOMPSON PL
SUBMICRON DEVELOPMENT CENTER
FORMER TRW
ARQUES AVENUE
WOLFE ROAD
BRITTON AV.
PHILIPS 815
PHILIPS 811
L:\Projects\NorthropGrumman\MicrowaveCA\GIS\NGC_Microwave_AR_Zone_B1_202010.mxd - Scale 1:2,400 - 1/5/2021 3:32:00 PM - jbarnard - NAD 1983 StatePlane California III FIPS 0403 Feet



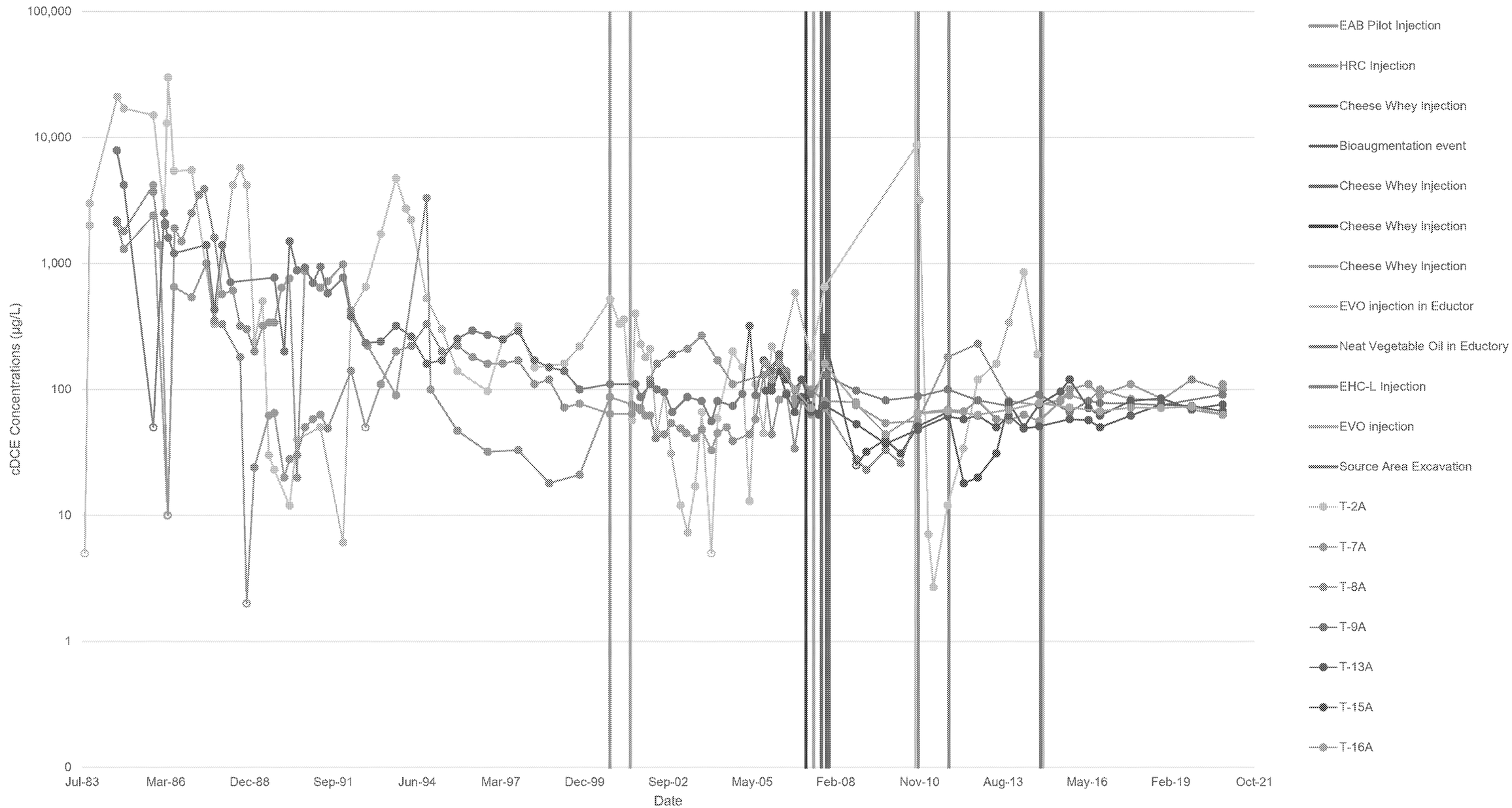
L:\Projects\NorthropGrumman\MicrowaveCA\GIS\NGC_Microwave_AR_Zone_B2_202010.mxd - Scale 1:2,400 - 1/5/2021 11:18:33 AM - jbarnard - NAD 1983 StatePlane California III FIPS 0403 Feet

Figure 10
Trichloroethene (TCE) Concentrations vs. Time
Zone A Wells - T-2A, T-7A, T-8A, T-9A, T-13A, T-15A and T-16A



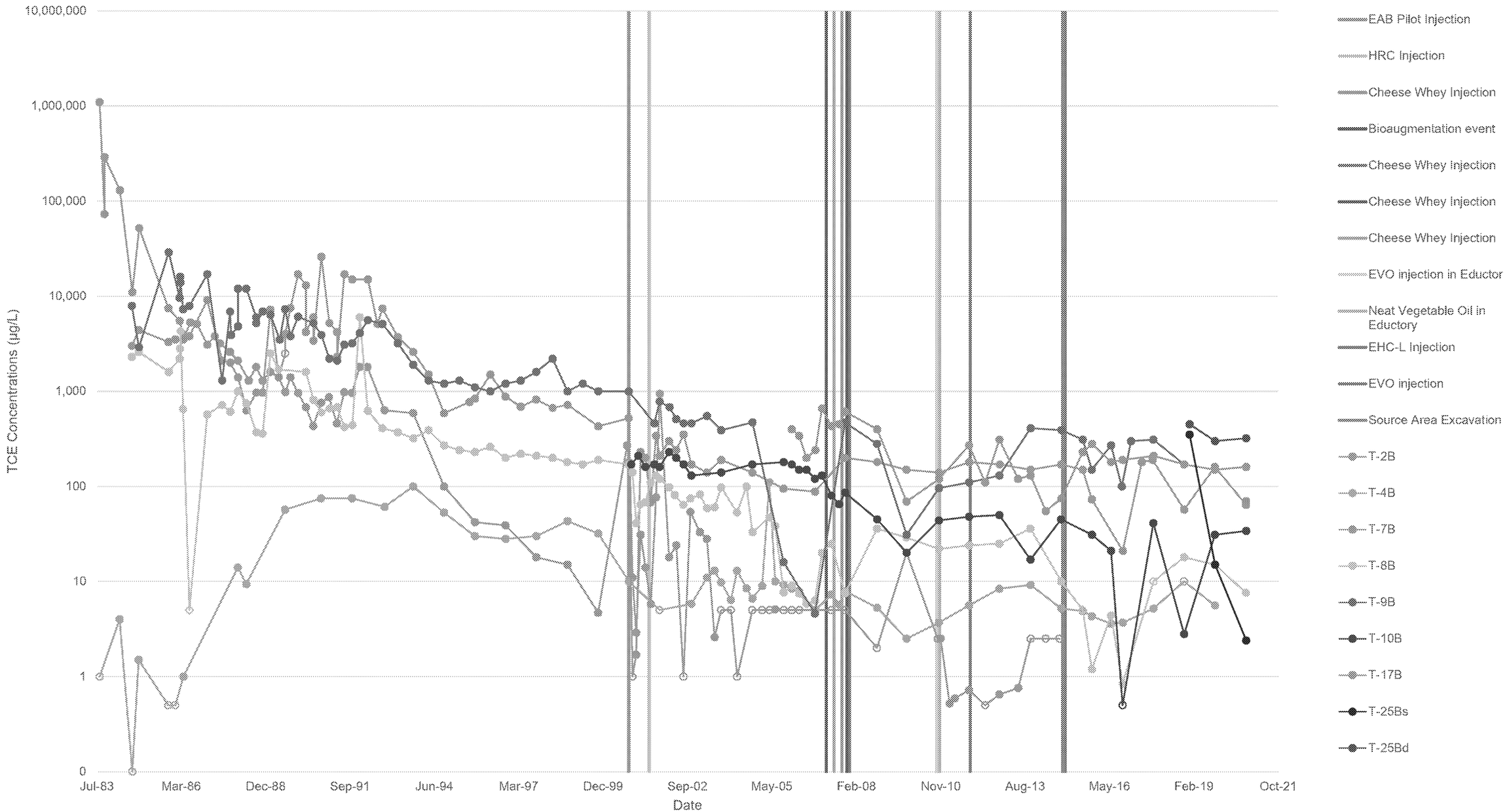
Notes: Open symbols indicate sample was non-detect, where no reporting limit was previously reported a default value of 0.1 was used.
Where duplicate samples were collected, the highest reported value was used.
µg/L - micrograms per Liter, EAB - enhanced anaerobic bioremediation, HRC -Hydrogen Release Compound , EVO - emulsified vegetable oil, EHC-L - EHC© Liquid
T-2A was abandoned in November 2014.

Figure 11
cis-1,2-Dichloroethene (cDCE) Concentrations vs. Time
Zone A Wells - T-2A, T-7A, T-8A, T-9A, T-13A, T-15A and T-16A



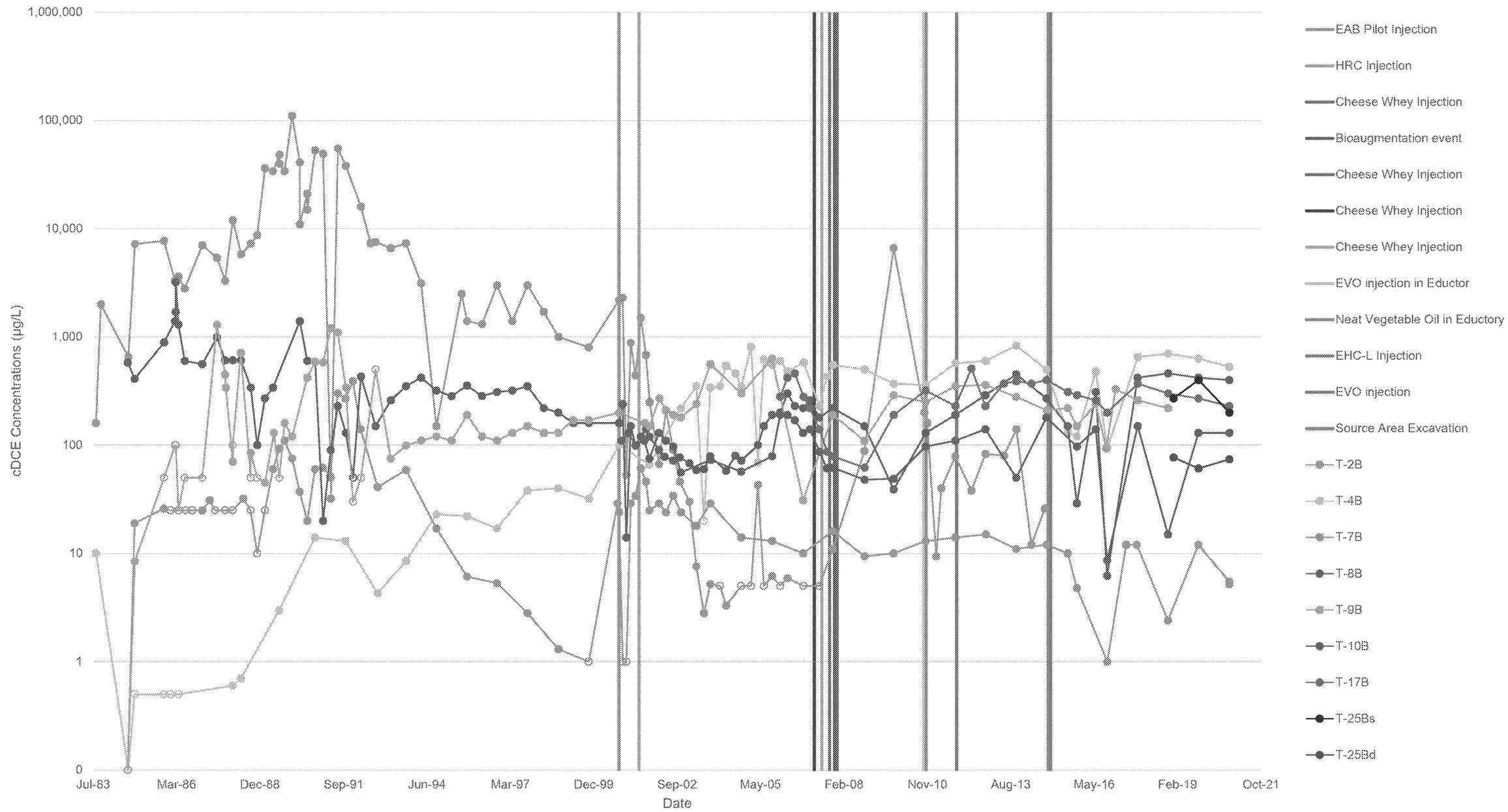
Notes: Open symbols indicate sample was non-detect, where no reporting limit was previously reported a default value of 0.1 was used.
Where duplicate samples were collected, the highest reported value was used.
µg/L - micrograms per Liter, EAB - enhanced anaerobic bioremediation, HRC -Hydrogen Release Compound , EVO - emulsified vegetable oil, EHC-L - EHC© Liquid
T-2A was abandoned in November 2014.

Figure 12
Trichloroethene (TCE) Concentrations vs. Time
Zone B1 Wells - T-2B, T-4B, T-7B, T-8B, T-9B, T-10B, T-17B T-25Bs and T-25Bd



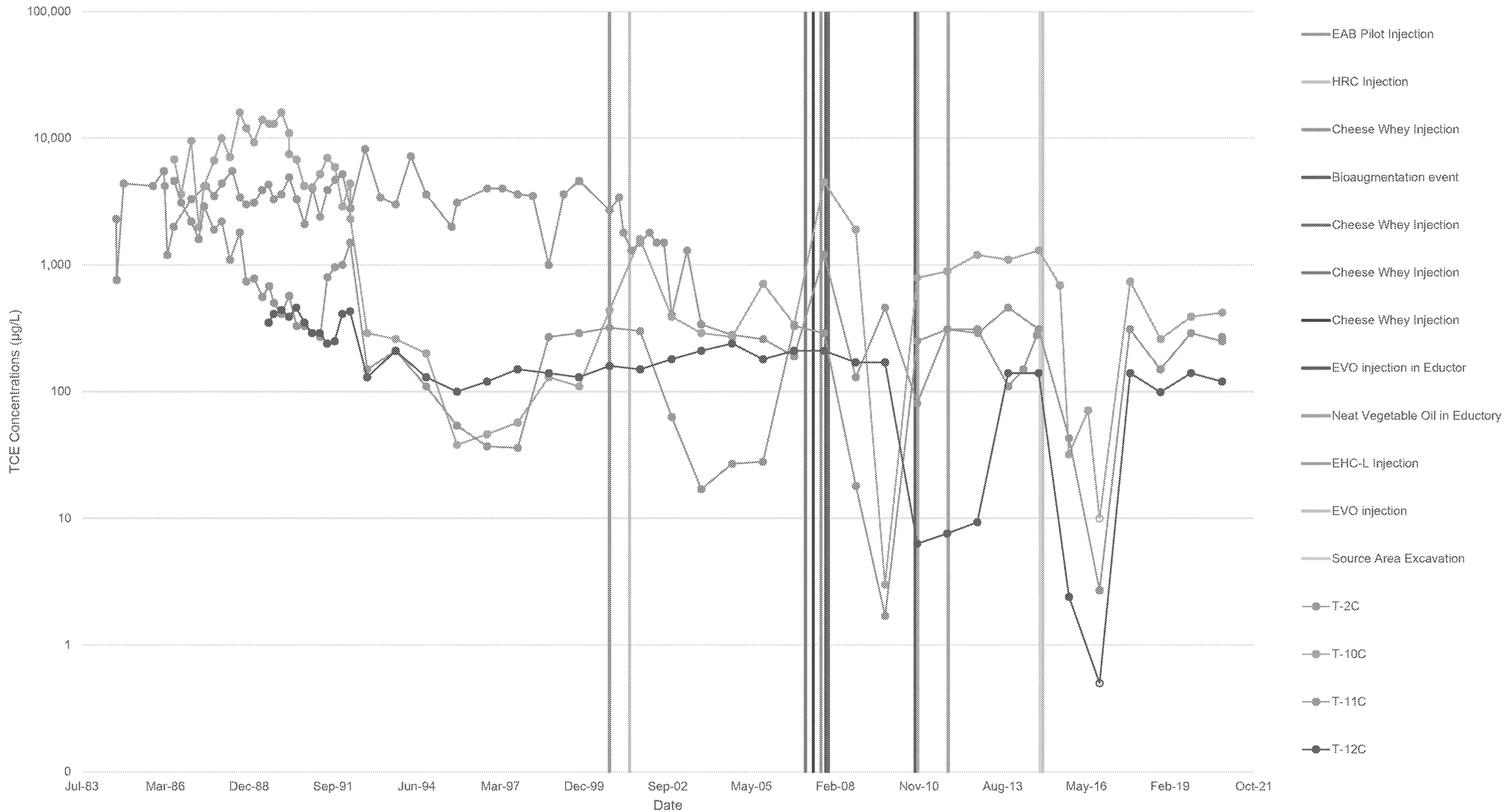
Notes: Open symbols indicate sample was non-detect, where no reporting limit was previously reported a default value of 0.1 was used.
Where duplicate samples were collected, the highest reported value was used.
µg/L - micrograms per Liter, EAB - enhanced anaerobic bioremediation, HRC -Hydrogen Release Compound , EVO - emulsified vegetable oil, EHC-L - EHC© Liquid
T-2B was abandoned in November 2014 and T-9B was abandoned November 2019.

Figure 13
cis-1,2-Dichloroethene (cDCE) Concentrations vs. Time
Zone B1 Wells - T-2B, T-4B, T-7B, T-8B, T-9B, T-10B, T-17B T-25Bs and T-25Bd



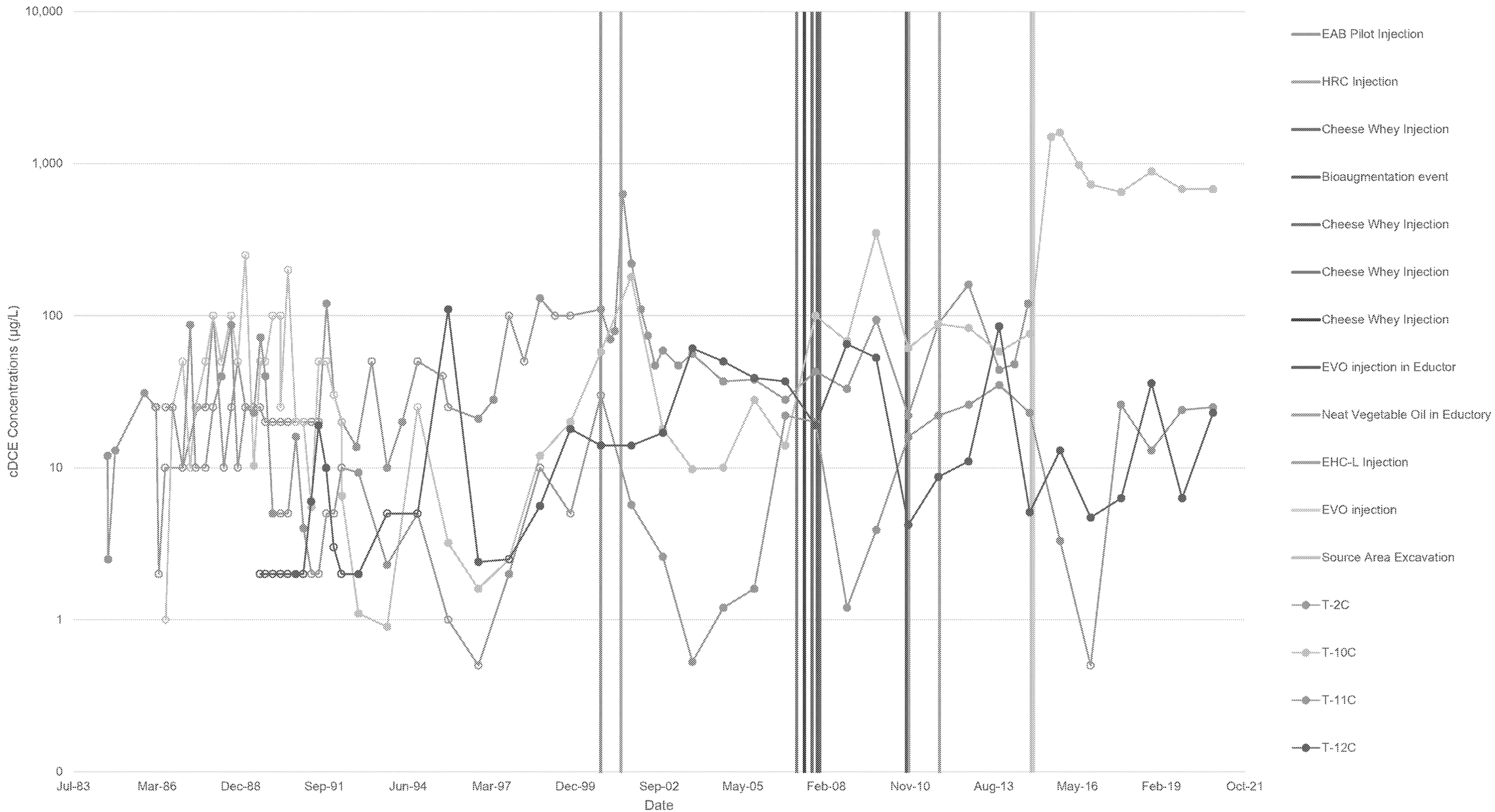
Notes: Open symbols indicate sample was non-detect, where no reporting limit was previously reported a default value of 0.1 was used.
Where duplicate samples were collected, the highest reported value was used.
µg/L - micrograms per Liter, EAB - enhanced anaerobic bioremediation, HRC -Hydrogen Release Compound , EVO - emulsified vegetable oil, EHC-L - EHC© Liquid
T-2B was abandoned in November 2014 and T-9B was abandoned in November 2019.

Figure 14
Trichloroethene (TCE) Concentrations vs. Time
Zone B2 Wells - T-2C, T-10C, T-11C, and T-12C



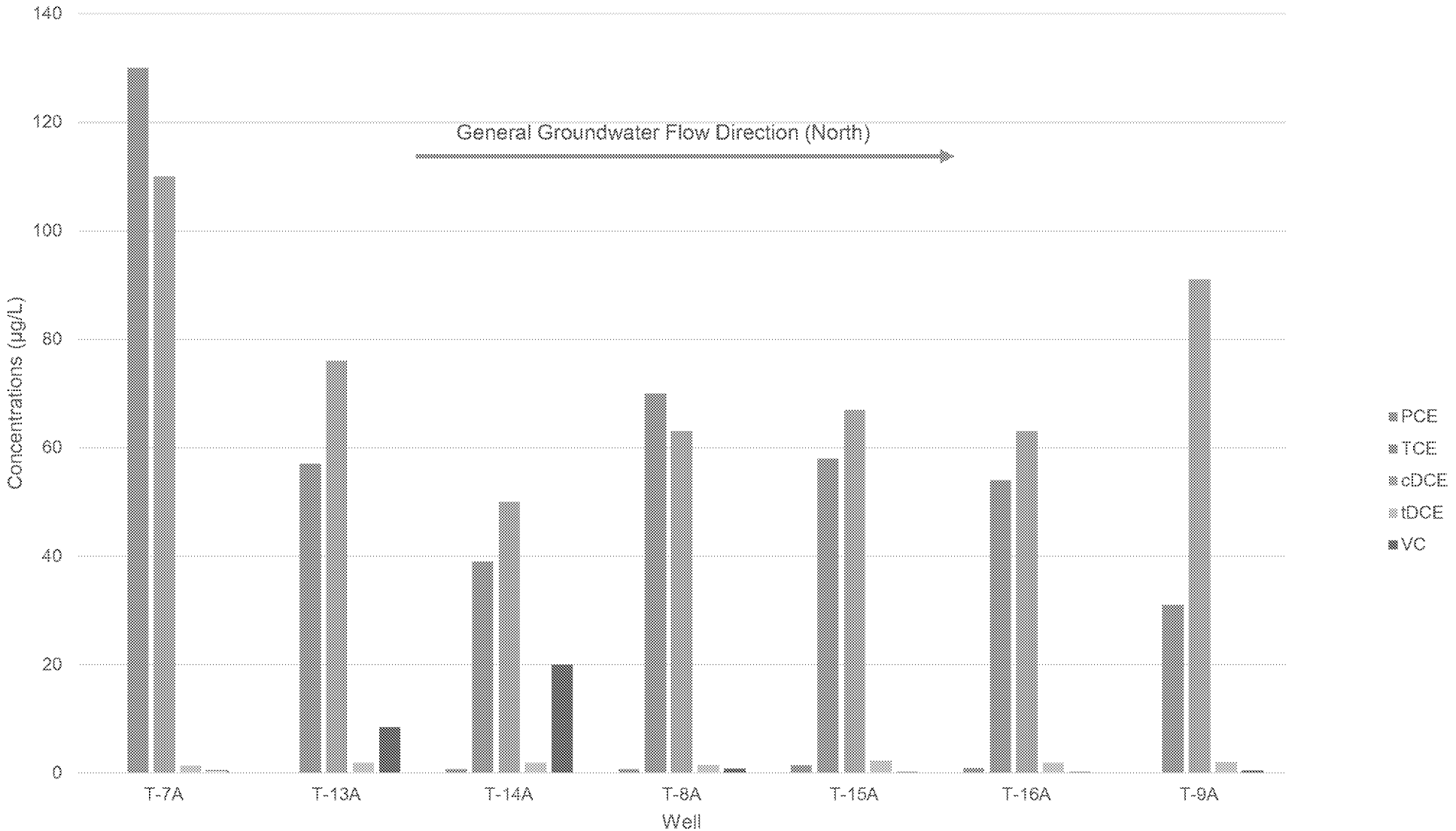
Notes: Open symbols indicate sample was non-detect, where no reporting limit was previously reported a default value of 0.1 was used.
Where duplicate samples were collected, the highest reported value was used.
µg/L - micrograms per Liter, EAB - enhanced anaerobic bioremediation, HRC -Hydrogen Release Compound , EVO - emulsified vegetable oil, EHC-L - EHC© Liquid

Figure 15
cis-1,2-Dichloroethene (cDCE) Concentrations vs. Time
Zone B2 Wells - T-2C, T-10C, T-11C, and T-12C



Notes: Open symbols indicate sample was non-detect, where no reporting limit was previously reported a default value of 0.1 was used.
Where duplicate samples were collected, the highest reported value was used.
µg/L - micrograms per Liter, EAB - enhanced anaerobic bioremediation, HRC -Hydrogen Release Compound , EVO - emulsified vegetable oil, EHC-L - EHC© Liquid

Figure 16
Chlorinated Ethene Concentrations, Zone A - October 2020
Former TRW Microwave, 825 Stewart Drive, Sunnyvale, CA



Notes:
Distance between wells are not shown to scale.
Tetrachloroethene (PCE), Trichloroethene (TCE), cis-1,2-Dichloroethene (cDCE), trans-1,2-Dichloroethene (tDCE), Vinyl Chloride (VC)
µg/L - micrograms per Liter

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Table 1
Well Completion and Sampling Information
Former TRW Microwave - 825 Stewart Drive, Sunnyvale, CA

Well ID	Sample ID	Zone	Total Depth	Screen Interval	Well Diameter	Collect Water Level	Sampling Technique		VOCs (µg/L)
							Peri Pump	Bladder Pump	USEPA Method 8260B
			ft bgs	ft bgs	inch				3 VOA vials w/ HCL
T4B	J6038-T4B-MMDDYY	B1	42	31.5-41.5	4	x	-	x	x
T5B	J6038-T5B-MMDDYY-1	B1	45	34.5-44.5	4	x	-	x	x
T5B	J6038-T5B-MMDDYY-2	B1	45	34.5-44.5	4	x	-	x	x
T7A	J6038-T7A-MMDDYY-1	A	20	8-20	4	x	x	-	x
T7A	J6038-T7A-MMDDYY-2	A	20	8-20	4	x	x	-	x
T7B	J6038-T7B-MMDDYY-1	B1	41	34-41	4	x	-	x	x
T7B	J6038-T7B-MMDDYY-2	B1	41	34-41	4	x	-	x	x
T8A	J6038-T8A-MMDDYY	A	19	8-19	4	x	x	-	x
T8B	J6038-T8B-MMDDYY	B1	36	24-36	4	x	-	x	x
T9A	J6038-T9A-MMDDYY	A	19	7-19	4	x	x	-	x
T9C	J6038-T9C-MMDDYY	B3	65	55-65	4	x	-	x	x
T10B	J6038-T10B-MMDDYY	B1	32	23-32	2	x	x	-	x
T10C	J6038-T10C-MMDDYY	B2	60	49-59	4	x	-	x	x
T11C	J6038-T11C-MMDDYY	B2	56	46-56	4	x	-	x	x
T12C	J6038-T12C-MMDDYY	B2	56	45.5-55.5	2	x	-	x	x
T13A	J6038-T13A-MMDDYY	A	20	10-20	1	x	x	-	x
T14A	J6038-T14A-MMDDYY	A	20	10-20	1	x	x	-	x
T15A	J6038-T15A-MMDDYY	A	20	10-20	1	x	x	-	x
T16A	J6038-T16A-MMDDYY	A	20	10-20	1	x	x	-	x
T17A	J6038-T17A-MMDDYY	A	20	10-20	2	x	x	-	x
T17B	J6038-T17B-MMDDYY	B1	35	25-35	1	x	x	-	x
T18A	-	A	22	12-22	1	x	-	-	-
T18B	J6038-T18B-MMDDYY	B1	46	41-46	2	x	-	x	x
T19A	J6038-T19A-MMDDYY	A	22	10-20	1	x	x	-	x
T19B	J6038-T19B-MMDDYY	B1	39	29-39	2	x	-	x	x
T20A	-	A	20	7-17	1	x	-	-	-
T20B	J6038-T20B-MMDDYY	B1	27	22-27	2	x	x	-	x
T21A	-	A	20	10-20	2	x	-	-	-
T21B	J6038-T21B-MMDDYY	B1	27	22-27	2	x	x	-	x
T22A	-	A	20	10-20	1	x	-	-	-
T22B	J6038-T22B-MMDDYY	B1	25	24-25	2	x	x	-	x
T23A	J6038-T23A-MMDDYY	A	20	10-20	1	x	x	-	x
T23B	J6038-T23B-MMDDYY	B1	30	27-30	2	x	x	-	x
T24A	-	A	20	10-20	1	x	-	-	-
T24B	J6038-T24B-MMDDYY	B1	36	33-36	2	x	-	x	x
T25A	J6038-T25A-MMDDYY	A	20	10-20	1	x	x	-	x
T25BS	J6038-T25BS-MMDDYY	B1	27	25-27	2	x	x	-	x
T25BD	J6038-T25BD-MMDDYY	B1	36	33-36	2	x	-	x	x
36S	+	A	15	10-16	4	x	-	-	-
36D	+	A	20	15-20	4	x	-	-	-
36DD	+	B2	55	51.5-61.5	4	x	-	-	-
37S	+	A	13	9-15	4	x	-	-	-
38S	J6038-38S-MMDDYY	A	15	9-15	4	x	x	-	x
TRIPBLANK	TRIPBLANK-J6038-MMDDYY	QA/QC	-	-	-	-	-	-	x

Notes:

ft bgs	= feet below ground surface
µg/L	= Micrograms per liter
USEPA	= United Stated Evironmental Protection Agency
VOCs	= Volatile organic compounds
VOAs	= Volatile organic analysis
HCL	= Hydrochloric acid
-	= Not Analyzed or Applicable
QA/QC	= Quality Assurance/Quality Control
+	= AMD monitoring well, Blaine Tech to gauge

Table 2
Water-Level Elevation Measurements - October 2020
Former TRW Microwave Facility - 825 Stewart Drive, Sunnyvale, California

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-1A	A	Per Water Board approval, well T-1A was abandoned in February 2004.			
T-2A	A	Per USEPA approval, well T-2A was destroyed.			
T-3A	A	Per USEPA approval, well T-3A was destroyed.			
T-6A	A	Per RWQCB approval, well T-6A was removed from monitoring program.			
T-7A	A	10/12/2020	6.52	41.84	35.32
T-8A	A	10/12/2020	6.42	40.48	34.06
T-9A	A	10/12/2020	6.60	39.30	32.70
T-13A	A	10/12/2020	6.71	40.99	34.28
T-14A	A	10/12/2020	6.63	40.81	34.18
T-15A	A	10/12/2020	6.48	40.22	33.74
T-16A	A	10/12/2020	6.55	40.12	33.57
T-17A	A	10/12/2020	6.92	40.88	33.96
T-18A	A	10/12/2020	7.13	41.20	34.07
T-19A	A	10/12/2020	6.92	41.00	34.08
T-20A	A	10/12/2020	6.72	40.86	34.14
T-21A	A	10/12/2020	7.01	41.20	34.19
T-22A	A	10/12/2020	7.00	NS	NA
T-23A	A	10/12/2020	7.05	41.44	34.39
T-24A	A	10/12/2020	6.99	41.29	34.30
T-25A	A	10/12/2020	6.15	40.26	34.11
36-S	A	10/12/2020	6.15	41.44	35.29
36D	A	10/12/2020	5.91	41.20	35.29
37S	A	10/12/2020	6.36	41.01	34.65
38-S	A	10/12/2020	7.70	41.13	33.43
Eductor	A	Per USEPA approval, the Eductor was destroyed.			
T-1B	B1	Per Water Board approval, well T-1B was abandoned in February 2004.			
T-2B	B1	Per USEPA approval, well T-2B was destroyed.			
T-4B	B1	10/12/2020	8.48	40.98	32.50
T-5B	B1	10/12/2020	9.27	41.95	32.68
T-7B	B1	10/12/2020	5.57	41.75	36.18
T-8B	B1	10/12/2020	6.38	40.43	34.05
T-9B	B1	Per USEPA approval, well T-9B was destroyed.			
T-10B	B1	10/12/2020	6.50	40.13	33.63
T-17B	B1	10/12/2020	6.90	40.72	33.82
T-18B	B1	10/12/2020	5.10	41.41	36.31
T-19B	B1	10/12/2020	5.24	41.38	36.14
T-20B	B1	10/12/2020	4.93	40.65	35.72
T-21B	B1	10/12/2020	6.85	41.53	34.68
T-22B	B1	10/12/2020	6.23	39.13	32.90
T-23B	B1	10/12/2020	6.40	39.28	32.88
T-24B	B1	10/12/2020	7.64	39.19	31.55
T-25Bd	B1	10/12/2020	7.24	38.79	31.55
T-25Bs	B1	10/12/2020	6.38	39.12	32.74
T-2C	B2	Per USEPA approval, well T-2C was destroyed.			
T-9C	B3	10/12/2020	6.93	38.82	31.89
T-10C	B2	10/12/2020	8.60	39.46	30.86
T-11C	B2	10/12/2020	6.75	38.77	32.02
T-12C	B2	10/12/2020	6.00	40.84	34.84
36-DD	B2	10/12/2020	4.72	41.52	36.80
T-8D	B4	10/12/2020	1.42	40.46	39.04

Notes:

Elevations in NGVD29 prior to 2007. From 2007, elevations in NAVD88.

BTOC	Below Top of Casing
MSL	Mean Sea Level
RWQCB	California Regional Water Quality Control Board - San Francisco Region
USEPA	United States Environmental Protection Agency
NM	Well not measured due to inaccessibility.
NS	Not Surveyed
NA	Not Applicable
NAVD88	North American Vertical Datum 1988
NGVD29	National Goeodetic Vertical Datum 1929

Table 3
2020 Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Zones	Dates	Contaminants of Concern[a]														
			PCE (µg/L)[b]	TCE (µg/L)	cDCE (µg/L)	tDCE (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)
Drinking Water Standard[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*[d]	*1200*	*100*	*600*	*70*
T-1A	A	NA[e]	Per Water Board approval, well T-1A was abandoned in February 2004.														
T-2A	A	NA	Per United States Environmental Protection Agency approval, well T-2A was abandoned in November 2014.														
T-3A	A	NA	Per United States Environmental Protection Agency approval, well T-3A was abandoned in November 2014.														
T-6A	A	NA	Per RWQCB approval, well T-6A was removed from monitoring program in 2009.														
T-7A	A	Oct-20	0.66 J	**110**	**100**	1.4	ND<1.0	ND<1.0	0.42 J	0.22 J	ND<1.0	ND<2.0	ND<2.0	2.4	ND<2.0	ND<1.0	ND<1.0
T-7A (Dup [i])	A	Oct-20	0.80 J	**130**	**110**	1.4	ND<1.0	ND<1.0	0.49 J	0.26 J	ND<1.0	ND<2.0	ND<2.0	3.1	ND<2.0	ND<1.0	ND<1.0
T-8A	A	Oct-20	0.81	**70**	**63**	1.5	**0.85**	ND<0.50	0.30 J	0.24 J	ND<0.50	ND<1.0	ND<1.0	0.22 J	ND<1.0	ND<0.50	ND<0.50
T-9A	A	Oct-20	0.46 J	**31**	**91**	2.0	ND<1.0	ND<1.0	0.36 J	0.30 J	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	2.0	0.25 J
T-13A	A	Oct-20	0.57 J	**57**	**76**	1.9	**8.5**	ND<1.0	0.32 J	0.27 J	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0
T-14A	A	Oct-20	0.76	**39**	**50**	1.9	**20**	ND<0.50	0.33 J	0.40 J	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<1.0	1.6	ND<0.50
T-15A	A	Oct-20	1.5	**58**	**67**	2.3	ND<0.50	0.18 J	0.55	0.37 J	ND<0.50	ND<1.0	ND<1.0	0.19 J	ND<1.0	1.0	ND<0.50
T-16A	A	Oct-20	0.95	**54**	**63**	1.9	ND<0.50	ND<0.50	0.35 J	0.29 J	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<1.0	0.95	ND<0.50
T-17A	A	Oct-20	0.97	**51**	**11**	0.69	**1.4**	ND<0.50	ND<0.50	0.18 J	ND<0.50	ND<1.0	ND<1.0	0.42 J	ND<1.0	ND<0.50	ND<0.50
T-19A	A	Oct-20	ND<0.50	0.16 J	**7.9**	1.4	**30**	ND<0.50	ND<0.50	0.41 J	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<1.0	1.2	0.37 J
T-23A	A	Oct-20	0.63	**48**	**43**	1.5	**7.3**	ND<0.50	0.17 J	0.19 J	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<0.50	ND<0.50
T-25A	A	Oct-20	1.5	**59**	**57**	1.7	**10**	0.14 J	0.42 J	0.37 J	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<1.0	1.9	ND<0.50
36S[k]	A	Oct-20	1.2	**49**	**9.6**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--[l]	--	--	ND<1.0	--	ND<1.0	--
36D[k]	A	Oct-20	0.78	**28**	**34**	2.0.	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	--
37S[k]	A	Oct-20	0.58	**35**	4.2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	0.55	--	ND<0.50	--
38-S	A	Oct-20	0.99	**54**	**50**	0.47 J	**0.93**	ND<0.50	0.18 J	0.15 J	ND<0.50	ND<1.0	ND<1.0	0.64	ND<1.0	ND<0.50	ND<0.50
Eductor	A	NA	Per United States Environmental Protection Agency approval, the Eductor was abandoned in November 2014.														
T-1B	B1	NA	Per Water Board approval, well 1B was abandoned in February 2004.														
T-2B	B1	NA	Per United States Environmental Protection Agency approval, well T-2B was abandoned in November 2014.														
T-4B	B1	Oct-20	ND<10	**5.0 J**	**530**	2.2 J	ND<10	ND<10	ND<10	ND<10	ND<10	ND<20	ND<20	ND<10	ND<20	ND<10	ND<10
T-5B	B1	Oct-20	2.2 J	**810**	**51**	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<20	ND<20	88	ND<20	ND<10	ND<10
T-5B (Dup)	B1	Oct-20	ND<10	**690**	**49**	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<20	ND<20	69	ND<20	ND<10	ND<10
T-7B	B1	Oct-20	ND<1.0	**64**	5.5	0.36 J	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	1.2	ND<2.0	ND<1.0	ND<1.0
T-7B (Dup)	B1	Oct-20	ND<1.0	**70**	5.2	0.35 J	ND<1.0	ND<1.0	ND<1.0	0.22 J	ND<1.0	ND<2.0	ND<2.0	1.4	ND<2.0	ND<1.0	ND<1.0
T-8B	B1	Oct-20	ND<5.0	**7.6**	**400**	4.1 J	**19**	ND<5.0	1.5 J	ND<5.0	ND<5.0	ND<10	ND<10	ND<5.0	ND<10	2.8 J	ND<5.0
T-9B	B1	NA	Per USEPA approval, well T-9B was abandoned in November 2019.														
T-10B	B1	Oct-20	0.88 J	**34**	**130**	2.8	**71**	ND<1.0	0.57 J	0.60 J	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	3.3	ND<1.0
T-17B	B1	Oct-20	0.46 J	**160**	**230**	1.3 J	ND<2.0	ND<2.0	0.64 J	ND<2.0	ND<2.0	ND<4.0	ND<4.0	5.7	ND<4.0	ND<2.0	ND<2.0
T-18B	B1	Oct-20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<0.50	ND<0.50
T-19B	B1	Oct-20	ND<0.50	**53**	1.4	ND<0.50	ND<0.50	0.20 J	ND<0.50	0.23 J	ND<0.50	ND<1.0	ND<1.0	1.0	ND<1.0	ND<0.50	ND<0.50
T-20B	B1	Oct-20	ND<0.50	**230**	**250**	3.7	**23**	ND<0.50	2.6	0.72	ND<0.50	ND<1.0	ND<1.0	1.4	ND<1.0	ND<0.50	ND<0.50
T-21B	B1	Oct-20	ND<2.5	**350**	**270**	2.0 J	ND<2.5	ND<2.5	1.4 J	ND<2.5	ND<2.5	ND<5.0	ND<5.0	14	ND<5.0	ND<2.5	ND<2.5
T-22B	B1	Oct-20	1.4	**76**	**140**	3.6	ND<1.0	ND<1.0	0.78 J	0.38 J	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	2.4	ND<1.0
T-23B	B1	Oct-20	1.5	**76**	**140**	3.2	**0.76 J**	ND<1.0	0.81 J	0.36 J	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	2.4	ND<1.0
T-24B	B1	Oct-20	ND<1.0	**36**	**94**	0.96 J	**2.9**	ND<1.0	1.0	0.46 J	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0
T-25Bs	B1	Oct-20	ND<2.0	2.4	**200**	4.9	**200**	ND<2.0	ND<2.0	0.64 J	ND<2.0	ND<4.0	ND<4.0	ND<2.0	ND<4.0	0.82 J	ND<2.0

Table 3
2020 Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Zones	Dates	Contaminants of Concern[a]														
			PCE (µg/L)[b]	TCE (µg/L)	cDCE (µg/L)	tDCE (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)
Drinking Water Standard[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*[d]	*1200*	*100*	*600*	*70*
T-25Bd	B1	Oct-20	**6.2**	**320**	**74**	1.2 J	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<10	3.6 J	ND<10	2.4 J	ND<5.0
T-2C	B2	NA	Per USEPA approval, well T-2C was abandoned in November 2014.														
T-10C	B2	Oct-20	ND<5.0	**420**	**680**	8.1	**8.3**	ND<5.0	5.5	ND<5.0	ND<5.0	ND<10	11	140	ND<10	ND<5.0	ND<5.0
T-11C	B2	Oct-20	ND<2.0	**250**	**25**	0.82 J	**1.5 J**	ND<2.0	2.2	ND<2.0	ND<2.0	ND<4.0	ND<4.0	7.2	ND<4.0	ND<2.0	ND<2.0
T-11C (Dup)	B2	Oct-20	ND<2.0	**270**	**25**	0.90 J	**1.6 J**	ND<2.0	2.2	ND<2.0	ND<2.0	ND<4.0	ND<4.0	7.6	ND<4.0	ND<2.0	ND<2.0
T-12C	B2	Oct-20	ND<1.0	**120**	**23**	1.0	ND<1.0	ND<1.0	1.5	ND<1.0	ND<1.0	ND<2.0	ND<2.0	1.6	ND<2.0	ND<1.0	ND<1.0
36DD[i]	B2	Oct-20	ND<0.50	0.86	**16**	3.6	**0.5**	ND<0.50	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	--
T-9C	B3	Oct-20	ND<0.50	**12**	**14**	0.42 J	**0.92**	ND<0.50	0.59	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<0.50	ND<0.50
T-8D	B4	NA	Per Water Board approval, groundwater sampling of well T-8D was suspended in 2002.														

Notes:

(a) 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; BFM = Bromoform; CBN = Chlorobenzene; CDM = Chlorodibromomethane; Freon 11 = Trichlorofluoromethane; Freon 12 = Dichlorodifluoromethane; Freon 113 = 1,1,2-trichloro-1,2,2-trifluoroethane; PCE = Tetrachloroethene; TCE = Trichloroethene; VC = Vinyl Chloride

(b) µg/L = microgram per liter

(c) 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 United States Environmental Protection Agency (USEPA) MCLs were used.

Concentrations reported above MCLs are shown in **bold**.

(d) NE = Not Established

(e) NA = Not Applicable

(f) RWQCB = Regional Water Quality Control Board - San Francisco Region

(g) ND< = Not Detected at indicated laboratory reporting limit (RL).

(h) J = Result is less than the RL but greater than or equal to the method detection limit (MDL) and the concentration is an approximate value.

(i) Dup = Field Duplicate

(j) NS - Not sampled, well was inaccessible.

(k) Data provided by Advanded Micro Devices, Inc. (AMD).

(l) -- = Not analyzed or applicable

Table 4
2020 Groundwater General Environmental Parameter Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well	Date	Temperature (°C)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	Oxidation-Reduction Potential (mV)	Dissolved Hydrogen (nM)	Alkalinity (mg/L as CaCO3)	Total Organic Carbon (mg/L)
Zone A Aquifer Wells									
38-S	Oct-20	22	6.72	1.439	5	116.7	--	--	--
T-7A	Oct-20	24.2	6.97	1.476	3	29.2	--	--	--
T-8A	Oct-20	24.4	7.06	1.477	7	30.1	--	--	--
T-9A	Oct-20	25	6.67	1.355	13	-45	--	--	--
T-13A	Oct-20	23.9	6.91	1.478	5	12.3	--	--	--
T-14A	Oct-20	23	6.9	1.343	4	-28.2	--	--	--
T-15A	Oct-20	22.7	6.62	1.335	2	116.9	--	--	--
T-16A	Oct-20	23.3	6.78	1.336	19	47.5	--	--	--
T-17A	Oct-20	24.2	6.68	1.419	3	15.8	--	--	--
T-19A	Oct-20	23.2	6.82	2.344	29	-63.9	--	--	--
T-23A	Oct-20	23.65	6.92	2.914	44	-69.1	--	--	--
T-25A	Oct-20	22.63	6.97	2.501	29	127.9	--	--	--
Zone B1 Aquifer Wells									
T-7B	Oct-20	23.5	7.41	0.981	7	53.5	--	--	--
T-5B	Oct-20	22	7.12	1.091	2	47	--	--	--
T-8B	Oct-20	27.5	7.08	1.328	8	-9.3	--	--	--
T-10B	Oct-20	22.5	6.82	1.364	5	-30.7	--	--	--
T-4B	Oct-20	21.9	7.13	1.349	3	19.2	--	--	--
T-17B	Oct-20	22.3	7.11	1.201	7	14.7	--	--	--
T-18B	Oct-20	24.3	7.36	1.374	527	-41.4	--	--	--
T-19B	Oct-20	21.2	6.92	1	12	97.5	--	--	--
T-20B	Oct-20	24.1	7.12	2.486	249	5.4	--	--	--
T-21B	Oct-20	23.3	7.18	2.394	36	119.7	--	--	--
T-22B	Oct-20	23.75	6.93	2.54	30	117.8	--	--	--
T-23B	Oct-20	23.8	6.88	1.336	10	60.9	--	--	--
T-24B	Oct-20	22.1	7.25	1.255	30	66	--	--	--
T-25Bd	Oct-20	22.3	7.09	1.074	38	64	--	--	--
T-25Bs	Oct-20	24.1	6.84	2.735	74	-25.1	--	--	--
Zone B2 Aquifer Wells									
T-10C	Oct-20	23.4	7.52	0.791	8	-17.9	--	--	--
T-11C	Oct-20	23.7	7.31	0.939	4	2.7	--	--	--
T-12C	Oct-20	23.1	7.39	0.858	8	11.8	--	--	--
T-9C	Oct-20	20.3	7.49	0.762	6	39.4	--	--	--

Notes:
°C = degree Celsius
SU = standard units
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mV = millivolts
nM = nanomolar
mg/L = milligram per liter
$CaCO_3$ = calcium carbonate
-- = Not analyzed/measured/applicable

Appendix A – Groundwater Sampling Procedures and Low Flow Sampling Logs

Blaine Tech Services, Inc.
Standard Operating Procedure

LOW-FLOW SAMPLING

SAMPLE-PRO BLADDER PUMP

1. Calibrate YSI Flow Cell as per manufacturer's specifications. Thoroughly rinse probe and cup between parameters. Calibration order as follows:

    A. pH (use 3-point calibration of 7, 4, 10)
    B. Oxygen Reduction Potential (ORP)
    C. Specific Conductance
    D. Dissolved Oxygen (DO) (calibrate simulating 100% oxygen saturation)

2. Insert new bladder into Sample-Pro pump housing.
3. Remove dedicated PE tubing from the well or start with new PE tubing cut to the required length.
4. Attach the PE tubing to the Sample-Pro Bladder Pump.
5. Gently lower the Sample-Pro Bladder Pump, and PE tubing into the well, placing the Sample-Pro Bladder Pump intake at the center of the screened interval. Take care to minimize disturbance to the water column.
6. Direct effluent line into YSI 556 Flow Cell.
7. Set Sample-Pro Bladder Pump speed at 100 - 500 ml/min.
8. Collect water quality parameter measurements for temperature, pH, conductivity, turbidity, DO and ORP every 3-5 minutes.
9. Monitor drawdown during purging with electronic water level meter. Record water level with each parameter measurement. MAXIMUM DRAWDOWN IS 0.33 FEET.
10. Collect parameter measurements until stability is achieved. Stability is defined as three consecutive measurements where:

Temp	± 1° Celsius
pH	± 0.1
Conductivity	± 3%
Turbidity	± 10% NTU
DO	± 0.3 mg/l
ORP	± 10 Mv

11. Ensure at least one System Volume is removed from the well before sampling. A System Volume is equal to the volume of the bladder plus the volume of the water line.
12. Disconnect effluent line from YSI 556 Flow Cell.

13. Sample through effluent line while maintaining constant flow rate of 100mL/min.
14. Remove Sample-Pro Bladder Pump, and PE tubing from well.
15. Detach and reinstall dedicated PE tubing in well.

Blaine Tech Services, Inc.
Standard Operating Procedure

LOW-FLOW SAMPLING

Geotech Peri – Pump

1. Calibrate YSI Flow Cell as per manufacturer's specifications. Thoroughly rinse probe and cup between parameters. Calibration order as follows:

    A. pH (use 3-point calibration of 7, 4, 10)
    B. Oxygen Reduction Potential (ORP)
    C. Specific Conductance
    D. Dissolved Oxygen (DO) (calibrate simulating 100% oxygen saturation)

2. Remove dedicated PE tubing from the well or start with new PE tubing cut to the required length.
3. Gently lower the PE tubing into the well, placing the tubing intake at the center of the screened interval. Take care to minimize disturbance to the water column.
4. Attach the PE tubing to the Geotech Peri – Pump.
5. Direct effluent line into YSI 556 Flow Cell.
6. Calculate System Volume (volume of water inside of tubing)

    617*(Tubing ID radius squared * Tubing Length) = 1 system volume in mL

7. Set Geotech Peri – Pump speed at 100 - 500 ml/min.
8. Collect water quality parameter measurements for temperature, pH, conductivity, turbidity, DO and ORP every 3-5 minutes.
9. Monitor drawdown during purging with electronic water level meter. Record water level with each parameter measurement. MAXIMUM DRAWDOWN IS 0.33 FEET.
10. Purge one system volume from well.
11. Collect parameter measurements until stability is achieved Stability is defined as three consecutive measurements:

Temp	± 1° Celsius
pH	± 0.1
Conductivity	± 3%
Turbidity	± 10% NTU
DO	± 0.3 mg/l
ORP	± 10 Mv

12. Disconnect effluent line from YSI 556 Flow Cell.
13. Sample through effluent line while maintaining constant flow rate.
14. Remove PE tubing from well or reinstall dedicated PE tubing in well.

WELL GAUGING SHEET

Project # 20100238-1 Date 10/12/2020 Client **GES**

Site: **NGC Microwave** @ 825 Stewart Dr., Sunnyvale, CA Page: **1 OF 2**

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
36D	0757	4					5.91	20.14	TOC	
36DD	0800	4					4.72	55.00	TOC	
36S	0754	4					6.15	15.13	TOC	
37S	0828	4					6.36	13.11	TOC	
38S	1036	4					7.70	14.27	TOC	
T-4B	1038	4					8.48	39.10	TOC	
T-5B	0831	4					9.27	42.60	TOC	
T-7A	0818	4					6.52	18.58	TOC	
T-7B	0819	4					5.57	41.55	TOC	
T-8A	0930	4					6.42	15.07	TOC	
T-8B	0942	4					6.38	34.98	TOC	
T-8D	0950	4					1.42	100.46	TOC	
T-9A	1117	4					6.60	18.26	TOC	Gauge + per pm Go. instruction
T-9C	1111	4					6.93	63.30	TOC	
T-10B	1042	2					6.50	25.00	TOC	
T-10C	1114	4					8.60	58.10	TOC	
T-11C	1119	4					6.75	55.35	TOC	
T-12C	0848	2					6.00	54.75	TOC	
T-13A	1013	1					6.71	18.66	TOC	
T-14A	1020	1					6.63	17.88	TOC	

WELL GAUGING SHEET

Project # 201012JE-1 Date 10/12/2020 Client **GES**

Site: **NGC Microwave** @ 825 Stewart Dr., Sunnyvale, CA Page: **2 OF 2**

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
T-15A	1046	1					6.48	18.83	TOC	
T-16A	1059	1					6.55	18.65	TOC	
T-17A	1025	2					6.92	19.98	TOC	
T-17B	1029	1					6.90	34.48	TOC	
T-18A	0840	1	sulfur odor				7.13	19.62	TOC	
T-18B	0804	2					5.10	47.30	TOC	
T-19A	0856	1					6.92	20.89	TOC	
T-19B	0855	2					5.24	39.25	TOC	
T-20A	0900	1					6.72	15.83	TOC	
T-20B	0810	2					4.53	27.00	TOC	
T-21A	1025	1					7.01	17.71	TOC	
T-21B	0836	2					6.85	27.33	TOC	
T-22A	1030	1					7.00	18.00	TOC	
T-22B	1124	2					6.23	24.40	TOC	
T-23A	1016	1					7.05	17.95	TOC	
T-23B	1128	2					6.40	28.99	TOC	
T-24A	1019	1					6.99	18.92	TOC	
T-24B	1131	2					7.64	35.30	TOC	
T-25A	0905	1					6.15	18.87	TOC	
T-25BS	1134	2					6.38	26.46	TOC	
T-25BD	1135	2					7.24	35.91	TOC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 2010 12 JE - 1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MR	Start Date: 10/13/2020
Well I.D.: 385	Well Diameter (inch): 4
Total Well Depth: 14.27	Depth to Water: Pre: 7.72 Post: 7.75
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ☐ **Bladder Pump** Other: —

☑ **Peristaltic Pump**

Sampling Method: **New Tubing** Other:

Screen Interval: 9-15

Start Purge: 0800 Flow Rate: 200 ml/min Pump Depth: 12

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0803	21.7	6.57	1444	8	0.71	177.8	600	7.78	
0806	21.9	6.59	1440	6	0.57	163.0	1200	7.78	
0809	22.0	6.64	1440	6	0.51	145.7	1800	7.80	
0812	22.0	6.64	1441	7	0.50	133.8	2400	7.80	
0815	22.0	6.70	1440	6	0.52	122.1	3000	7.80	
0818	22.0	6.71	1440	10	0.49	116.3	3600	7.80	
0821	22.0	6.72	1439	5	0.45	116.7	4200	7.80	

Did well dewater? Yes No	Amount actually evacuated: 4200 ml
Sampling Time: 0827	Sampling Date: 10/13/2020
Sample I.D.: J6038-385-101320	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: TRIPBLANK-J6038-101320 @ 0700 Time	Duplicate I.D.: @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 20 10 12 JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MR	Start Date: 10/13/2020
Well I.D.: J-4B	Well Diameter (inch): 4
Total Well Depth: 39.10	Depth to Water: Pre: 8.25 Post: 8.91
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (TOC)	Flow Cell Type: YSI pro plus

Purge Method: [X] **Bladder Pump** Other: _____

[ ] **Peristaltic Pump**

Sampling Method: **New Tubing** Other: _____

Screen Interval: 31.5 - 41.5

Start Purge: 0912 Flow Rate: 200 ml/min Pump Depth: 36.75

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0915	21.2	7.21	1063	9	4.62	72.5	600	~~600~~ 8.51	
0918	22.0	7.07	1269	9	1.60	55.0	1200	~~1200~~ 8.62	flow rate lowered
0921	21.7	7.10	1325	6	1.05	45.3	1500	~~1500~~ 8.67	flow rate increased
0924	21.9	7.11	1336	4	0.84	38.2	2100	~~2100~~ 8.72	
0927	21.9	7.11	1342	5	0.74	31.3	2700	~~2700~~ 8.80	
0930	21.9	7.11	1348	4	0.65	25.5	3300	8.86 ~~3300~~	
0933	21.9	7.12	1348	4	0.58	22.5	3600	8.90 ~~3600~~	
0936	21.9	7.13	1349	3	0.53	19.2	4200	8.94 ~~4200~~	

Did well dewater? Yes (No)	Amount actually evacuated: 4200 ml
Sampling Time: 0940	Sampling Date: 10/13/2020
Sample I.D.: J6038-T4B-10 1320	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MR	Start Date: 10/13/2020
Well I.D.: T-5B	Well Diameter (inch): 4
Total Well Depth: 42.60	Depth to Water: Pre: 9.31 Post: 9.33
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI PRO PLUS

Purge Method: [X] **Bladder Pump** Other: _____

[ ] **Peristaltic Pump**

Sampling Method: **New Tubing** Other: _____

Screen Interval: 34.5-44.5

Start Purge: 1013 Flow Rate: 200 ml/min Pump Depth: 39.75

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1016	21.2	7.10	1088	3	1.38	61.4	600	9.35	
1019	21.7	7.12	1091	3	1.00	58.8	1200	9.35	
1022	21.8	7.11	1093	2	0.77	56.1	1800	9.35	
1025	21.9	7.11	1093	3	0.64	53.2	2400	9.35	
1028	21.9	7.12	1093	3	0.58	51.0	3000	9.35	
1031	22.0	7.12	1091	3	0.52	48.7	3600	9.35	
1034	22.0	7.12	1091	2	0.58	47.0	4200	9.35	

Did well dewater? Yes (No)	Amount actually evacuated: 4200 ml
Sampling Time: 1040	Sampling Date: 10/13/2020
Sample I.D.: J6038-T5B-101320-1	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: @ 1045 Time J6038-T5B-101320-2
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012TE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MR	Start Date: 10/13/2020
Well I.D.: T7A	Well Diameter (inch): 4
Total Well Depth: 18.58	Depth to Water: Pre: 6.53 Post: 6.51
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (TOC)	Flow Cell Type: YSI pro plus

Purge Method: ☐ **Bladder Pump** Other: _____

☒ **Peristaltic Pump**

Sampling Method: **New Tubing** Other: _____

Screen Interval: 8.0 - 20.0

Start Purge: 1120 Flow Rate: 200 ml/min Pump Depth: 14 ft

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1123	24.1	7.03	1485	3	0.47	37.8	600	6.51	
1126	24.3	7.02	1486	3	0.37	35.1	1200	6.53	
1129	24.2	7.00	1482	3	0.29	32.3	1800	6.53	
1132	24.2	6.99	1480	3	0.25	30.9	2400	6.53	
1135	24.2	6.98	1480	3	0.23	29.1	3000	6.52	
1138	24.2	6.97	1476	3	0.20	29.2	3600	6.52	

Did well dewater? Yes (No)	Amount actually evacuated: 3600 ml
Sampling Time: 1145	Sampling Date: 10/13/2020
Sample I.D.: J6038-T7A-101320-1	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: @ 1150 Time J6038-T7A-101320-2
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MR	Start Date: 10/13/2020
Well I.D.: T7B	Well Diameter (inch): 4
Total Well Depth: 41.55	Depth to Water: Pre: 5.61 Post: 5.82
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ☒ **Bladder Pump** ☐ **Peristaltic Pump** Other: _____

Sampling Method: **New Tubing** Other: _____

Screen Interval: 34.0 - 41.0

Start Purge: 1212 Flow Rate: 200 ml/min Pump Depth: 37.5

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1215	24.9	7.41	959	5	5.63	54.5	600	5.63	
1218	24.8	7.46	992	7	6.72	56.7	1200	5.63	
1221	24.6	7.47	982	6	6.38	56.0	1800	5.63	
1224	24.0	7.45	979	5	6.01	54.9	2400	5.63	
1227	23.6	7.45	979	7	5.84	54.5	3000	5.63	
1230	23.5	7.44	978	6	5.76	54.3	3600	5.65	
1233	23.4	7.43	979	7	5.41	53.8	4200	5.68	
1236	23.5	7.42	981	6	5.20	53.8	4800	5.70	
1239	23.5	7.41	981	7	5.18	53.5	5400	5.72	

Did well dewater? Yes ~~No~~	Amount actually evacuated: 5400 ml
Sampling Time: 1245	Sampling Date: 10/13/2020
Sample I.D.: J6038- T7B - 101320 - 1	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: @ 1250 Time J6038 - T7B - 101320 - 2
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012 JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MR	Start Date: 10/13/2020
Well I.D.: T-8A	Well Diameter (inch): 4
Total Well Depth: 15.07	Depth to Water: Pre: 6.42 Post: 6.42
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ☐ **Bladder Pump** Other: _____

☒ **Peristaltic Pump**

Sampling Method: **New Tubing** Other: _____

Screen Interval: 8.0 – 19.0

Start Purge: 1402 Flow Rate: 200 ml/min Pump Depth: 13.5

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1405	24.9	7.23	1487	14	0.96	44.5	600	6.42	
1408	24.4	7.25	1483	14	0.61	40.0	1200	6.43	
1411	24.2	7.21	1478	12	0.45	35.5	1800	6.43	
1414	24.3	7.16	1480	11	0.41	33.3	2400	6.43	
1417	24.1	7.13	1478	8	0.39	32.3	3000	6.43	
1420	24.3	7.09	1479	9	0.38	31.3	3600	6.43	
1423	24.1	7.08	1477	8	0.37	30.5	4200	6.43	
1426	24.4	7.06	1477	7	0.36	30.1	4800	6.43	

Did well dewater? Yes ~~No~~	Amount actually evacuated: 4800 ml
Sampling Time: 1430	Sampling Date: 10/13/2020
Sample I.D.: J6038- T8A-101320	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MR	Start Date: 10/13/2020
Well I.D.: T8B	Well Diameter (inch): 4
Total Well Depth: 34.98	Depth to Water: Pre: 6.38 Post: 6.70
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ☐ **Bladder Pump** Other: _____

☐ **Peristaltic Pump**

Sampling Method: **New Tubing** Other: _____

Screen Interval: _____

Start Purge: _____ Flow Rate: _____ ml/min Pump Depth: _____

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1450	28.3	7.07	1323	35	1.48	17.5	600	6.47	
1453	28.3	7.07	1336	15	1.01	16.1	1200	6.51	
1456	27.9	7.07	1337	7	0.78	3.8	1800	6.53	
1459	27.7	7.07	1333	8	0.56	-4.7	2400	6.57	
1502	27.6	7.07	1332	7	0.51	-7.1	3000	6.60	
1505	27.5	7.08	1328	8	0.49	9.3	3600	6.61	

Did well dewater? Yes No	Amount actually evacuated: 3600 ml
Sampling Time: 1510	Sampling Date: 10/13/2020
Sample I.D.: J6038- T8B - 101320	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MR	Start Date: 10/12/2020
Well I.D.: T-9A	Well Diameter (inch): 4
Total Well Depth: 18.26	Depth to Water: Pre: 6.60 Post: 6.61
Depth to Free Product: —	Thickness of Free Product (feet): ~
Referenced to: TOC	Flow Cell Type: YSI Pro plus

Purge Method: ☐ **Bladder Pump** Other: _____

☒ **Peristaltic Pump**

Sampling Method: **New Tubing** Other: _____

Screen Interval: 7-19

Start Purge: 1137 Flow Rate: 200 ml/min Pump Depth: 13

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1140	24.7	6.45	1360	87	0.60	-35.6	600	6.61	
1143	24.6	6.63	1358	74	0.44	-43.0	1200	6.61	
1146	25.1	6.67	1356	34	0.39	-43.9	1800	6.61	
1149	24.9	6.65	1359	18	0.36	-44.4	2400	6.61	
1152	24.9	6.67	1357	17	0.33	-44.7	3000	6.61	
1155	25.0	6.67	1355	13	0.29	-45.0	3600	6.61	

Did well dewater? Yes (No)	Amount actually evacuated: 3600 ml
Sampling Time: 1200	Sampling Date: 10/12/2020
Sample I.D.: J6038-T9A-101220	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MR	Start Date: 10/14/2020
Well I.D.: J-9C	Well Diameter (inch): 4
Total Well Depth: 63.30	Depth to Water: Pre: 7.01 Post: 7.36
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: [X] **Bladder Pump** Other: _____

[ ] **Peristaltic Pump**

Sampling Method: **New Tubing** Other: _____

Screen Interval: 55-65

Start Purge: 0813 Flow Rate: 200 ml/min Pump Depth: 60

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0816	20.3	6.93	747	14	3.33	207.3	600	7.31	
0819	20.4	7.29	747	6	2.62	182.2	1200	7.31	
0822	20.1	7.38	745	5	1.96	131.4	1800	7.33	
0825	20.1	7.45	747	6	1.55	99.7	2400	7.36	
0828	20.0	7.46	750	5	1.25	73.3	3000	7.38	
0831	20.1	7.46	752	5	1.12	61.6	3600	7.41	
0834	20.2	7.45	755	5	1.00	53.6	4200	7.42	
0837	20.2	7.47	757	5	0.98	49.3	4800	7.42	
0840	20.2	7.48	762	5	1.03	39.6	5400	7.42	
0843	20.3	7.49	762	6	1.00	39.4	6000	7.42	

Did well dewater? Yes (No)	Amount actually evacuated: 6000 ml
Sampling Time: 0850	Sampling Date: 10/14/2020
Sample I.D.: J6038-T9C-161420	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: TRIPBLANK-J6038-101420-2 @ 0700 Time	Duplicate I.D.: @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MR	Start Date: 10/14/2020
Well I.D.: T-10B	Well Diameter (inch): 2
Total Well Depth: 25.00	Depth to Water: Pre: 6.55 Post: 6.60
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ☐ **Bladder Pump** Other: _____

☒ **Peristaltic Pump**

Sampling Method: **New Tubing** Other: _____

Screen Interval: 23.0-32.0

Start Purge: 0955 Flow Rate: 200 ml/min Pump Depth: 24.0

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0958	22.6	6.87	654	18	2.47	-20.8	600	6.71	
1001	22.9	6.73	991	7	0.89	-19.8	1200	6.73	
1004	22.6	6.75	1311	5	0.40	-25.8	1800	6.74	
1007	22.6	6.77	1331	4	0.35	-27.3	2400	6.74	
1010	22.6	6.81	1353	4	0.31	-29.1	3000	6.75	
1013	22.6	6.81	1358	4	0.30	-30.0	3600	6.75	
1016	22.5	6.82	1364	5	0.29	-30.7	4200	6.75	

Did well dewater? Yes No	Amount actually evacuated: 4200 ml
Sampling Time: 1020	Sampling Date: 10/14/2020
Sample I.D.: J6038- T10B-101420	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MR	Start Date: 10/14/2020
Well I.D.: T-10C	Well Diameter (inch): 4
Total Well Depth: 58.10	Depth to Water: Pre: 8.66 Post: 8.71
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ☑ **Bladder Pump** Other: _____

☐ **Peristaltic Pump**

Sampling Method: **New Tubing** Other: _____

Screen Interval: 49.0-59.0

Start Purge: 1045 Flow Rate: 200 ml/min Pump Depth: 54.0

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1048	23.5	7.49	792	14	1.88	1.5	600	8.72	
1051	23.5	7.51	792	14	0.92	-10.2	1200	8.73	
1054	23.4	7.53	793	13	0.78	-12.7	1800	8.73	
1057	23.5	7.52	791	11	0.58	-16.5	2400	8.75	
1100	23.5	7.53	792	8	0.55	-17.2	3000	8.74	
1103	23.4	7.51	793	7	0.50	-17.7	3600	8.73	
1106	23.4	7.52	791	8	0.48	-17.9	4200	8.73	

Did well dewater? Yes ~~No~~	Amount actually evacuated: 4200 ml
Sampling Time: 1111	Sampling Date: 10/14/2020
Sample I.D.: J6038-T10C-101420	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MR	Start Date: 10/14/2020
Well I.D.: T-11C	Well Diameter (inch): 4
Total Well Depth: 55.35	Depth to Water: Pre: 6.83 Post: 6.84
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI Pro Plus

Purge Method: ☒ **Bladder Pump** ☐ **Peristaltic Pump** Other: _____

Sampling Method: **New Tubing** Other: _____

Screen Interval: 46.0 - 56.0

Start Purge: 1146 Flow Rate: 200 ml/min Pump Depth: 51.0

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1149	24.0	7.31	926	6	2.24	21.0	600	6.84	
1152	23.8	7.30	932	4	1.78	15.6	1200	6.84	
1155	23.9	7.31	942	4	1.10	8.1	1800	6.85	
1158	23.8	7.31	942	5	0.93	6.4	2400	6.85	
1201	23.7	7.31	940	4	0.74	4.4	3000	6.86	
1204	23.7	7.31	940	4	0.63	3.2	3600	6.85	
1207	23.8	7.30	940	4	0.59	2.9	4200	6.86	
1210	23.7	7.31	939	4	0.58	2.7	4800	6.85	

Did well dewater? Yes (No)	Amount actually evacuated: 4800 ml
Sampling Time: 1215	Sampling Date: 10/14/2020
Sample I.D.: J6038- T11C-101420-1	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: @ Time J6038-T11C-101420-2 @ 1220
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MR	Start Date: 10/14/2020
Well I.D.: T-12C	Well Diameter (inch): 2
Total Well Depth: 59.75	Depth to Water: Pre: 6.05 Post: 6.08
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ☑ **Bladder Pump** Other: _____

☐ **Peristaltic Pump**

Sampling Method: **New Tubing** Other: _____

Screen Interval: 45.5-55.5

Start Purge: 1338 Flow Rate: 200 ml/min Pump Depth: 50.5

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1341	24.0	7.37	794	13	2.36	31.0	600	6.10	
1344	23.9	7.38	829	12	1.35	25.2	1200	6.10	
1347	23.6	7.39	844	11	0.92	19.3	1800	6.10	
1350	23.2	7.40	852	11	0.69	15.9	24000	6.10	
1353	23.1	7.39	852	16	0.59	14.2	3000	6.10	
1356	23.0	7.41	853	9	0.50	12.7	3600	6.13	foamy
1359	23.0	7.40	856	8	0.49	11.9		6.14	
1402	23.1	7.39	858	8	0.48	11.8		6.10	

Did well dewater? Yes ☒ No	Amount actually evacuated: 4800 ml
Sampling Time: 1408	Sampling Date: 10/14/2020
Sample I.D.: J6038- T12C-101420	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012 JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MR	Start Date: 10/14/2020
Well I.D.: T-13A	Well Diameter (inch): 1
Total Well Depth: 18.66	Depth to Water: Pre: 6.75 Post: 6.76
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ☐ **Bladder Pump** ☑ **Peristaltic Pump** Other: _____

Sampling Method: **New Tubing** Other: _____

Screen Interval: 10-20

Start Purge: 1453 Flow Rate: 200 ml/min Pump Depth: 15

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1456	23.2	6.87	1478	6	1.77	28.5	600	7.00	
1459	23.2	6.93	1478	5	0.69	19.6	1200	6.94	
1502	23.3	6.93	1477	4	0.48	15.4	1800	6.93	
1505	23.3	6.94	1477	3	0.43	13.8	2400	6.94	
1508	23.2	6.93	1480	3	0.38	12.7	3000	6.95	
1511	23.5	6.92	1472	4	0.36	12.5	3600	6.91	
1514	23.9	6.91	1478	5	0.35	12.3	4200	6.93	

Did well dewater? Yes ☒ No	Amount actually evacuated: 4200 ml
Sampling Time: 1520	Sampling Date: 10/14/2020
Sample I.D.: J6038-T13A - 101420	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012JE4	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MP	Start Date: 10/15/2020
Well I.D.: T-14A	Well Diameter (inch): 1
Total Well Depth: 17.88	Depth to Water: Pre: 6.65 Post: 6.67
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ☐ **Bladder Pump** Other: _____

☒ **Peristaltic Pump**

Sampling Method: **New Tubing** Other: _____

Screen Interval: 10-20

Start Purge: 1330 Flow Rate: 200 ml/min Pump Depth: 15

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1333	23.4	6.89	1342	28	1.04	-50.8	600	6.85	Sulfur odor
1336	23.4	6.91	1342	17	0.66	-49.2	1200	6.87	
1339	23.3	6.91	1346	13	0.29	-41.2	1800	8.88	
1342	23.3	6.90	1336	9	0.22	-36.9	2400	8.87	
1345	23.2	6.91	1343	9	0.19	-33.2	3000	8.90	
1348	23.2	6.90	1346	6	0.16	-29.3	3600	8.91	
1351	23.1	6.90	1342	5	0.15	-28.5	4200	8.91	
1354	23.0	6.91	1344	4	0.14	-28.3	4800	8.91	
1357	23.0	6.90	1343	4	0.13	-28.2	5400	8.92	

Did well dewater? Yes (No)	Amount actually evacuated: 5400 ml
Sampling Time: 1400	Sampling Date: 10/15/2020
Sample I.D.: J6038- T14A-101520	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012 JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MR	Start Date: 10/15/2020
Well I.D.: T-15A	Well Diameter (inch): 1
Total Well Depth: 18.83	Depth to Water: Pre: 6.51 Post: 6.53
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ☐ **Bladder Pump** ☑ **Peristaltic Pump** Other: _____

Sampling Method: **New Tubing** Other: _____

Screen Interval: 10-20

Start Purge: 0813 Flow Rate: 200 ml/min Pump Depth: 15

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0816	23.1	6.50	1354	4	0.66	189.9	600	6.61	
0819	22.8	6.55	1338	6	0.36	168.1	1200	6.58	
0822	22.9	6.56	1336	5	0.33	157.8	1800	6.61	
0825	22.7	6.57	1337	4	0.32	143.1	2400	6.61	
0828	22.8	6.58	1337	4	0.30	128.3	3000	6.61	
0831	22.8	6.59	1336	5	0.29	118.8	3600	6.61	
0834	22.9	6.60	1336	3	0.28	117.3	4200	6.61	
0837	22.8	6.61	1336	4	0.27	117.1	4800	6.61	
0840	22.7	6.62	1335	2	0.26	116.9	5400	6.61	

Did well dewater? Yes ~~No~~	Amount actually evacuated: 5400 ml
Sampling Time: 0845	Sampling Date: 10/15/2020
Sample I.D.: J6038- T15A-101520	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MR	Start Date: 10/15/2020
Well I.D.: T-16A	Well Diameter (inch): 1
Total Well Depth: 18.65	Depth to Water: Pre: 6.60 Post: 6.63
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (TOC)	Flow Cell Type: YSI pro plus

Purge Method: ☐ **Bladder Pump** Other: _____

☒ **Peristaltic Pump**

Sampling Method: **New (Tubing)** Other: _____

Screen Interval: 10.0 - 20.0

Start Purge: 0908 Flow Rate: 300 ml/min Pump Depth: 15.0

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0911	23.4	6.68	1354	15	0.38	84.8	900	7.02	
0914	23.3	6.69	1347	27	0.29	74.8	1800	7.04	
0917	23.3	6.72	1343	12	0.26	70.2	2700	7.06	
0920	23.3	6.73	1343	48	0.23	64.6	3600	7.05	
0923	23.3	6.74	1340	50	0.21	59.3	4500	7.06	
0926	23.3	6.75	1339	32	0.19	55.3	5400	7.06	
0929	23.3	6.76	1338	23	0.17	51.7	6300	7.06	
0932	23.4	6.77	1338	21	0.15	48.8	7200	7.05	
0935	23.3	6.78	1336	19	0.15	47.5	8100	7.06	

Did well dewater? Yes (No)	Amount actually evacuated: 8100 ml
Sampling Time: 0940	Sampling Date: 10/15/2020
Sample I.D.: J6038-T16A-101520	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: TRIPBLANK-J6038-101520-3 @ 0705 Time	Duplicate I.D.: @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 2010 12JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MP	Start Date: 10/15/2020
Well I.D.: T-17A	Well Diameter (inch): 2
Total Well Depth: 19.98	Depth to Water: Pre: 7.11 Post: 6.97
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ☐ **Bladder Pump** Other: _____

☑ **Peristaltic Pump**

Sampling Method: **New Tubing** Other: _____

Screen Interval: 10.0-20.0

Start Purge: 1022 Flow Rate: 200 ml/min Pump Depth: 15.0

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1025	24.2	6.82	1395	9	1.10	25.1	600	7.03	
1028	24.2	6.85	1408	4	0.43	20.7	1200	7.03	
1031	24.2	6.85	1405	3	0.32	18.8	1800	7.03	
1034	24.3	6.85	1406	3	0.28	17.7	2400	7.03	
1037	24.3	6.87	1411	2	0.25	16.7	3000	7.02	
1040	24.3	6.88	1415	2	0.24	16.0	3600	7.02	
1043	24.3	6.87	1418	2	0.23	15.9	4200	7.02	
1046	24.2	6.86	1419	3	0.22	~~15.5~~ 15.8	4800	7.02	

Did well dewater? Yes (No)	Amount actually evacuated: 4800 ml
Sampling Time: 1055	Sampling Date: 10/15/2020
Sample I.D.: J6038-T17A-101520	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MR	Start Date: 10/15/2020
Well I.D.: T-17B	Well Diameter (inch): 1
Total Well Depth: 34.48	Depth to Water: Pre: 6.96 Post: 8.00
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ☐ **Bladder Pump** ☑ **Peristaltic Pump** Other: _____

Sampling Method: **New Tubing** Other: _____

Screen Interval: 25.0-35.0

Start Purge: 1117 Flow Rate: 306 ml/min Pump Depth: 30

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1120	22.2	7.16	1210	10	0.52	22.1	900	~~8.05~~ MD	DTW 7.05
1123	22.1	7.17	1210	11	0.46	21.4	1800	~~8.20~~ MD	DTW 7.20
1126	22.1	7.16	1206	11	0.33	19.5	2700	~~8.22~~	DTW 7.22
1129	21.9	7.12	1203	13	0.24	17.4	3600	~~7.34~~ MD	DTW 7.34
1132	22.1	7.12	1199	4	0.18	15.5	4500	8.04	
1135	22.2	7.11	1200	7	0.18	15.3	5400	8.04	
1138	22.3	7.10	1201	8	0.17	15.0	6300	8.08	
1141	22.3	7.11	1200	5	0.17	14.9	7200	8.07	
1144	22.3	7.11	1201	7	0.17	14.7	8100	8.11	

Did well dewater? Yes No	Amount actually evacuated: 8100 ml
Sampling Time: 1150	Sampling Date: 10/15/2020
Sample I.D.: J6038-T17B-101520	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012 JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: TM	Start Date: 10/14/2020
Well I.D.: T-18B	Well Diameter (inch): 2
Total Well Depth: 47.30	Depth to Water: Pre: 5.10 Post: ~~5.40~~ 5.21
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ☑ **Bladder Pump** ☐ **Peristaltic Pump** Other: _____

Sampling Method: **New Tubing** Other: _____

Screen Interval: 41-46

Start Purge: 1331 Flow Rate: 200 ml/min Pump Depth: 43.5

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1334	23.4	6.92	1393	>1000	2.66	76.9	600	5.21	Cloudy Brown
1337	23.6	6.99	1400	>1000	1.94	-8.7	1200	5.21	
1340	23.6	7.25	1402	612	1.95	-10.1	1800	5.21	
1343	23.2	7.31	1393	599	1.89	-21.3	2400	5.21	
1346	24.0	7.34	1375	529	1.79	-37.5	3000	5.21	
1349	24.2	7.36	1372	531	1.80	-40.5	3600	5.21	
1352	24.3	7.36	1374	527	1.81	-41.4	4200	5.21	

Did well dewater? Yes No	Amount actually evacuated: 4200 ml
Sampling Time: 1357	Sampling Date: 10-14-2020
Sample I.D.: J6038- T18B-101420	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012 JG-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: MR	Start Date: 10-14/2020
Well I.D.: T-19A	Well Diameter (inch): 1
Total Well Depth: 20.89	Depth to Water: Pre: 7.03 Post: 7.16
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ☑ **Bladder Pump** ☐ **Peristaltic Pump** Other: _____

Sampling Method: **New Tubing** Other: _____

Screen Interval: 10-20

Start Purge: 1458 Flow Rate: 200 ml/min Pump Depth: 15

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1501	22.8	6.94	2360	119	2.19	-86.6	600	7.10	
1504	23.0	6.91	2353	81	2.03	-92.4	1200	7.13	
1507	23.0	6.89	2357	59	2.06	-93.4	1800	7.16	
1510	23.1	6.88	2354	36	2.08	-98.3	2400	7.16	
1513	23.2	6.83	2359	29	1.93	-64.0	3000	7.16	
1516	23.2	6.82	2342	31	1.93	-65.1	3600	7.16	
1519	23.2	6.82	2344	29	1.93	-63.9	4200	7.16	

Did well dewater? Yes (No)	Amount actually evacuated: 4200 ml
Sampling Time: 1524	Sampling Date: 10/14/2020
Sample I.D.: J6038- T19A-101420	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 2010125E-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: OV	Start Date: 10/15/2020
Well I.D.: T-19B	Well Diameter (inch): 2
Total Well Depth: 39.25	Depth to Water: Pre: 5.33 Post: 5.80
Depth to Free Product: N/A	Thickness of Free Product (feet): N/A
Referenced to: TOC	Flow Cell Type: YSI Pro Plus

Purge Method: [X] **Bladder Pump** Other: _____

[ ] **Peristaltic Pump**

Sampling Method: **New Tubing** Other: _____

Screen Interval: 29'-39'

Start Purge: 0751 Flow Rate: 200 ml/min Pump Depth: 30'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0754	21.3	6.71	946	16	5.66	111.8	600	5.80	Clear
0757	21.4	6.81	980	13	5.06	105.2	1200	5.80	↓
0800	21.4	6.85	993	13	4.80	102.0	1800	5.80	↓
0803	21.3	6.89	999	12	4.78	99.6	2400	5.80	↓
0806	21.2	6.90	999	12	4.75	98.1	3000	5.80	↓
0809	21.2	6.92	1000	12	4.70	97.5	3600	5.80	↓

Did well dewater? Yes (No)	Amount actually evacuated: 3600 ml
Sampling Time: 0814	Sampling Date: 10/15/2020
Sample I.D.: J6038-T-19B-101520	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: N/A @ Time	Duplicate I.D.: N/A @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: TM	Start Date: 10-14-2020
Well I.D.: T-20B	Well Diameter (inch): 2
Total Well Depth: 27.00	Depth to Water: Pre: 4.96 Post: 5.01
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI PRO PLUS

Purge Method: ☒ **Bladder Pump** ☐ **Peristaltic Pump** Other: _____

Sampling Method: **New Tubing** Other: _____

Screen Interval: 22-27

Start Purge: 1414 Flow Rate: 200 ml/min Pump Depth: 24.5

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1417	23.8	7.13	2435	>1000	2.21	13.7	600	5.01	Cloudy Brown
1420	24.1	7.11	2443	>1000	2.05	11.9	1200	5.01	
1423	24.1	7.12	2458	>1000	2.06	10.2	1800	5.01	
1426	24.1	7.11	2466	391	1.86	8.3	2400	5.01	
1429	24.1	7.11	2462	298	1.80	6.9	3000	5.01	
1432	24.3	7.12	2487	251	1.81	6.2	3600	5.01	
1435	24.1	7.12	2486	249	1.81	5.9	4200	5.01	
1438	24.1	7.12	2486	249	1.81	5.4	4800	5.01	

Did well dewater? Yes (No)	Amount actually evacuated: 4800 ml
Sampling Time: 1442	Sampling Date: 10-14-2020
Sample I.D.: J6038- T20B-101420	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012 JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: CG	Start Date: 10/15/2020
Well I.D.: T-21B	Well Diameter (inch): 2
Total Well Depth: 27.33	Depth to Water: Pre: 6.92 Post: 6.98
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI 556

Purge Method: ☐ **Bladder Pump** ☒ **Peristaltic Pump** Other: _____

Sampling Method: **New Tubing** Other: _____

Screen Interval: 22 - 27

Start Purge: 1323 Flow Rate: 200 ml/min Pump Depth: 24.5

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1326	23.4	7.74	2425	52	1.43	137.0	600	7.19	CLEAR
1329	23.5	7.40	2401	45	0.46	132.8	1200	7.22	↓
1332	23.5	7.27	2396	42	0.43	126.3	1800	7.23	
1335	23.3	7.20	2394	39	0.47	122.3	2400	7.25	
1338	23.3	7.19	2395	37	0.46	118.9	3000	7.26	
1341	23.3	7.18	2394	36	0.48	119.7	3600	7.26	

Did well dewater? Yes (No)	Amount actually evacuated: 3600 ml
Sampling Time: 1346	Sampling Date: 10/15/2020
Sample I.D.: J6038- T21B - 101520	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: — @ Time	Duplicate I.D.: — @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: CG	Start Date: 10/15/20
Well I.D.: T-22B	Well Diameter (inch): 2
Total Well Depth: 24.40	Depth to Water: Pre: 6.28 Post: 6.30
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI 556

Purge Method: ☐ **Bladder Pump** Other: _____

☒ **Peristaltic Pump**

Sampling Method: **New Tubing** Other: _____

Screen Interval: 20.0 - 25.0

Start Purge: 1022 Flow Rate: 200 ml/min Pump Depth: 22.5

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1025	24.39	7.58	2601	49	1.85	156.9	600	6.41	Clear
1028	24.09	7.21	2558	41	1.09	152.0	1200	6.44	↓
1031	23.83	7.02	2549	38	0.56	133.6	1800	6.45	↓
1034	23.78	6.96	2547	36	0.49	118.4	2400	6.45	↓
1137	23.76	6.94	2542	34	0.47	117.6	3000	6.46	↓
1140	23.75	6.93	2540	30	0.44	117.8	3600	6.46	↓

Did well dewater? Yes (No)	Amount actually evacuated: 3600 ml
Sampling Time: 1145	Sampling Date: 10/15/2020
Sample I.D.: J6038-T22B-101520	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: — @ Time	Duplicate I.D.: — @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 2010123E-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: CG	Start Date: 10/15/2020
Well I.D.: T-23A	Well Diameter (inch): 1
Total Well Depth: 17.95	Depth to Water: Pre: 7.22 Post: 7.31
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI 556

Purge Method: ~~☒ Bladder Pump~~ CG Other: _____

☒ **Peristaltic Pump**

Sampling Method: **New Tubing** Other: _____

Screen Interval: 10.0-20.0

Start Purge: 1036 Flow Rate: 200 ml/min Pump Depth: 15.0

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1039	24.01	7.53	2940	56	2.01	38.1	600	7.28	Clear
1042	23.39	7.08	2915	53	1.88	-53.1	1200	7.29	↓
1045	23.75	6.95	2913	50	1.89	-66.9	1800	7.32	↓
1048	23.69	6.93	2914	48	1.87	-73.2	2400	7.32	↓
1051	23.67	6.93	2909	45	1.85	-69.4	3000	7.33	↓
1054	23.65	6.92	2914	44	1.84	-69.1	3600	7.34	↓

Did well dewater? Yes (No)	Amount actually evacuated: 3600 ml
Sampling Time: 1059	Sampling Date: 10/15/2020
Sample I.D.: J6038-T23A-101520	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: — @ Time	Duplicate I.D.: — @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012JE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: ~~CG~~ OV	Start Date: 10/15/2020
Well I.D.: T-23B	Well Diameter (inch): 2
Total Well Depth: 28.99	Depth to Water: Pre: 6.82 Post: 7.21
Depth to Free Product: N/A	Thickness of Free Product (feet): N/A
Referenced to: TOC	Flow Cell Type: YSI Pro PlUS

Purge Method: [X] **Bladder Pump** Other: _____

[ ] **Peristaltic Pump**

Sampling Method: **New Tubing** Other: _____

Screen Interval: 27.0' - 30.0'

Start Purge: 1034 Flow Rate: 200 ml/min Pump Depth: 28.5'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1037	23.8	6.92	1346	14	0.99	63.6	600	7.05	Clear
1040	24.0	6.91	1343	13	0.86	63.1	1200	7.18	↓
1043	24.1	6.90	1338	13	0.92	62.8	1800	7.21	↓
1046	24.0	6.90	1337	12	1.98	62.1	2400	7.21	↓
1049	24.0	6.89	1336	10	2.02	61.5	3000	7.21	↓
1052	23.8	6.88	1336	10	1.99	60.9	3600	7.21	↓

Did well dewater? Yes (No)	Amount actually evacuated: 3600 ml
Sampling Time: 1057	Sampling Date: 10/15/2020
Sample I.D.: J6038-T-23B-101520	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: N/A @ Time	Duplicate I.D.: N/A @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012SE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: OV	Start Date: 10/15/2020
Well I.D.: T-24B	Well Diameter (inch): 2
Total Well Depth: 35.30	Depth to Water: Pre: 7.70 Post: 7.78
Depth to Free Product: N/A	Thickness of Free Product (feet): N/A
Referenced to: TOC	Flow Cell Type: YSI Pro PlUS

Purge Method: ☒ **Bladder Pump** ☐ **Peristaltic Pump** Other: _____

Sampling Method: **New Tubing** Other: _____

Screen Interval: 33-36

Start Purge: 0843 Flow Rate: 200 ml/min Pump Depth: 34.5

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0846	21.8	7.26	1252	55	1.41	66.6	600	7.78	Clear
0849	22.2	7.26	1254	55	1.14	67.0	1200	7.78	↓
0852	22.1	7.26	1254	41	1.07	66.7	1800	7.78	↓
0855	22.1	7.26	1256	32	1.04	66.4	2400	7.78	↓
~~0900~~ 0858	22.1	7.25	1255	30	1.03	66.0	3000	7.78	↓

Did well dewater? Yes (No)	Amount actually evacuated: 3000 ml
Sampling Time: 0903	Sampling Date: 10/15/2020
Sample I.D.: J6038-T-24B-101520	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: N/A @ Time	Duplicate I.D.: N/A @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 2010120E-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: CG.	Start Date: 10/15/2020
Well I.D.: T-25A	Well Diameter (inch): 1
Total Well Depth: 18.87	Depth to Water: Pre: 6.22 Post: 6.27
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI 556

Purge Method: ☐ **Bladder Pump** Other: _____

☒ **Peristaltic Pump**

Sampling Method: **New Tubing** Other: _____

Screen Interval: 10.0-20.0

Start Purge: 0945 Flow Rate: 200 ml/min Pump Depth: 15.0

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0948	22.94	7.53	2507	42	8.96	~~600~~ 193.6	600	6.28	
0951	22.64	7.06	2490	36	8.03	143.9	1200	6.23	
0954	22.64	6.98	2490	33	7.94	137.3	1800	6.24	
0957	22.63	6.97	2496	30	7.83	129.4	2400	6.27	
1000	22.63	6.97	2501	29	7.83	127.9	3000	6.27	

Did well dewater? Yes (No)	Amount actually evacuated: 3000 ml
Sampling Time: 1005	Sampling Date: 10/15/2020
Sample I.D.: J6038-T25A-101520	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: — @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012SE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: CG	Start Date: 10/15/2020
Well I.D.: T-25BS	Well Diameter (inch): 2
Total Well Depth: 26.46	Depth to Water: Pre: 6.42 Post: 6.65
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI 556

Purge Method: ☐ **Bladder Pump** Other: _____

☒ **Peristaltic Pump**

Sampling Method: **New Tubing** Other: _____

Screen Interval: 25.0-27.0

Start Purge: 0846 Flow Rate: 200 ml/min Pump Depth: 26.0

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0849	23.5	6.50	2951	83	0.89	106.6	600	6.48	
0852	23.8	6.70	2770	79	0.91	20.1	1200	6.50	
0855	24.0	6.80	2740	77	0.95	-20.1	1800	6.53	
0858	24.1	6.83	2733	75	0.96	-24.7	2400	6.55	
0901	24.1	6.84	2735	74	0.94	-25.1	3000	6.59	

Did well dewater? Yes (No)	Amount actually evacuated: 3000 ml
Sampling Time: 0906	Sampling Date: 10/15/2020
Sample I.D.: J6038-T25BS-101520	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: @ Time	Duplicate I.D.: — @ Time
Analyzed for: HVOCs (8260B)	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 201012SE-1	Client: **GES** @ NGC Microwave - Sunnyvale, CA
Sampler: OV	Start Date: 10/15/2020
Well I.D.: T-25Bd	Well Diameter (inch): 2
Total Well Depth: ~~36~~ 35.91	Depth to Water: Pre: 7.23 Post: 7.31
Depth to Free Product: N/A	Thickness of Free Product (feet): N/A
Referenced to: TOC	Flow Cell Type: YSI Pro Plus

Purge Method: ☒ **Bladder Pump** ☐ **Peristaltic Pump** Other: _____

Sampling Method: **New Tubing** Other: _____

Screen Interval: 33'-36'

Start Purge: 0938 Flow Rate: 200 ml/min Pump Depth: 34.5'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0941	22.6	7.16	1071	51	1.75	66.2	600	7.31	Clear
0944	22.5	7.14	1072	42	1.18	65.3	1200	7.31	↓
0947	22.3	7.10	1073	40	1.01	64.7	1800	7.31	↓
0950	22.3	7.09	1073	39	0.95	64.3	2400	7.31	↓
0953	22.3	7.09	1074	38	0.91	64.0	3000	7.31	↓

Did well dewater? Yes (No)	Amount actually evacuated: 3000 ml
Sampling Time: 0958	Sampling Date: 10/15/2020
Sample I.D.: J6038-T-25Bd-101520	Laboratory: **EUROFINS - TA**
Analyzed for: HVOCs (8260B)	
Blank I.D.: N/A @ Time	Duplicate I.D.: N/A @ Time
Analyzed for: HVOCs (8260B)	

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY — BTS # 201012JE-1

CLIENT: GES

SITE: NGC Microwave
825 Stewart Dr., Sunnyvale, CA

CONDUCT ANALYSIS TO DETECT

LAB: EUROFINS -TA | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
- ☐ EPA
- ☐ LIA
- ☐ OTHER
- ☐ RWQCB REGION

SPECIAL INSTRUCTIONS

Invoice to: NGC

Attn:

Report to: GES - Jennifer Clay 619-743-9953
JeClay@gesonline.com

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	HVOC's (8260B)						ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TRIPBLANK-J6038-101220-1	10/12/20	1145	W	2	40 ml VOA		X									
J6038-T9A-101220	10/12/2020	1200	W	3	40 ml VOA		X									
J6038-385-101320	10/13/2020	0827	W	3	40 ml VOA		X									
~~J6038~~ J6038-T4B-101320	10/13/2020	0940	W	3	40 ml VOA		X									
J6038-T5B-101320-1	10/13/2020	1040	W	3	40 ml VOA		X									
J6038-T5B-101320-2	10/13/2020	1045	W	3	40 ml VOA		X									
J6038-T7A-101320-1	10/13/2020	1145	W	3	40 ml VOA		X									
J6038-T7A-101320-2	10/13/2020	1150	W	3	40 ml VOA		X									
J6038-T7B-101320-1	10/13/2020	1245	W	3	40 ml VOA		X									
J6038-T7B-101320-2	10/13/2020	1250	W	3	40 ml VOA		X									

SAMPLING COMPLETED: DATE 10/15/2020 TIME 1400

SAMPLING PERFORMED BY: Elijah Jones, Robert Manos

RESULTS NEEDED NO LATER THAN: **Standard TAT**

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Robert Manos	10/15/2020	1620	(SC)	10/15/2020	1620
	10/16/2020	1600			

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #
FEDEX 7718 2604 6554	10/16/2020	1600	

ED_006475C_00002801-00077

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB: EUROFINS -TA

DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

☐ EPA ☐ LIA ☐ OTHER ☐ RWQCB REGION

CHAIN OF CUSTODY: BTS # 201012 JE-1

CLIENT: GES

SITE: NGC Microwave
825 Stewart Dr., Sunnyvale, CA

SPECIAL INSTRUCTIONS

Invoice to: NGC

Attn:

Report to: GES - Jennifer Clay 619-743-9953
JeClay@gesonline.com

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	HVOC's (8260B)						ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TRIP BLANK -J6038-101320-1	10/13/2020	0700	W	2	40 mL VOA		X									
J6038-T8A-101320	10/13/2020	1430	W	3	40 mL VOA		X									
J6038-T8B-101320	10/13/2020	1510	W	3	40 mL VOA		X									
J6038-T9C-101420	10/14/2020	0850	W	3	40 mL VOA		X									
TRIP BLANK-J6038-101420-2	10/14/20	0700	W	3	40 mL VOA		X									
J6038-T10B-101420	10/14/2020	1020	W	3	40 mL VOA		X									
J6038-T10C-101420	10/14/2020	1111	W	3	40 mL VOA		X									
J6038-T11C-101420-1	10/14/2020	1215	W	3	40 mL VOA		X									
J6038-T11C-101420-2	10/14/2020	1220	W	3	40 mL VOA		X									
J6038-T12C-101420	10/14/2020	1408	W	3	40 mL VOA		X									

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	10/15/2020	1400	Robert Manos	Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Robert Manos	10/15/2020	1620	(SC)	10/15/2020	1620
	10/16/2020	1600			

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #
FedEx 7718 2604 6554	10/16/2020	1600	

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BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB: EUROFINS -TA

DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

- ☐ EPA
- ☐ LIA
- ☐ OTHER
- ☐ RWQCB REGION

CHAIN OF CUSTODY

BTS # 201012 JE-1

CLIENT: GES

SITE: NGC Microwave
825 Stewart Dr., Sunnyvale, CA

SPECIAL INSTRUCTIONS

Invoice to: NGC

Attn:

Report to: GES - Jennifer Clay 619-743-9953
JeClay@gesonline.com

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	HVOC's (8260B)						ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
J6038-T13A-101420	10/14/2020	1520	W	3	40 mL VOA		X									
J6038-T18B-101420	10/14/2020	1357	W	3	40 mL VOA		X									
J6038-T20B-101420	10/14/2020	1442	W	3	40 mL VOA		X									
J6038-T19A-101420	10/14/2020	1524	W	3	40 mL VOA		X									
J6038-T14A-101520	10/15/2020	1400	W	3	40 mL VOA		X									
J6038-T15A-101520	10/15/2020	0845	W	3	40 mL VOA		X									
J6038-T16A-101520	10/15/2020	0940	W	3	40 mL VOA		X									
TRIPBLANK-J6038-101520-3	10/15/20	0700	W	3	40 mL VOA		X									
J6038-T17A-101520	10/15/2020	1055	W	3	40 mL VOA		X									
J6038-T17B-101520	10/15/2020	1150	W	3	40 mL VOA		X									

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	10/15/2020	1400	Robert Manos, Tomas Moore	Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Robert Manos	10/15/2020	1620	(SC)	10/15/2020	1620
	10/16/2020	1600			

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #
FedEx 7718 7609 6554	10/16/2020	1600	

ED_006475C_00002801-00079

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB: EUROFINS -TA

DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

- ☐ EPA
- ☐ LIA
- ☐ OTHER
- ☐ RWQCB REGION

CHAIN OF CUSTODY: BTS # 201012JE-1

CLIENT: GES

SITE: NGC Microwave
825 Stewart Dr., Sunnyvale, CA

SPECIAL INSTRUCTIONS

Invoice to: NGC

Attn:

Report to: GES - Jennifer Clay 619-743-9953
JeClay@gesonline.com

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	HVOC's (8260B)						ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
J6038-T19B-101520	10/15/2020	0914	W	3			X									
J6038-T21B-101520	10/15/2020	1346	W	3			X									
J6038-T22B-101520	10/15/2020	1145	W	3			X									
J6038-T23A-101520	10/15/2020	1059	W	3			X									
J6038-T23B-101520	10/15/2020	1057	W	3			X									
J6038-T24B-101520	10/15/2020	0903	W	3			X									
J6038-T25A-101520	10/15/2020	1005	W	3			X									
J6038-T25BS-101520	10/15/2020	0906	W	3			X									
J6038-T25BD-101520	10/15/2020	0958	W	3			X									

SAMPLING COMPLETED: DATE 10/15/2020 TIME 1400

SAMPLING PERFORMED BY: Robert Manos, Oscar Vera, Cristian Garcia

RESULTS NEEDED NO LATER THAN: **Standard TAT**

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Robert Manos	10/15/2020	1620	(SC)	10/15/2020	1620
	10/16/2020	1600			

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #
FEDEX 7718 2604 6554	10/16/2020	1600	

Page: 4 of 4

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WELLHEAD INSPECTION CHECKLIST

Date: 10/12/2020 Client: **GES**

Project Name/Site Address: **NGC Microwave** @ 825 Stewart Dr., Sunnyvale, CA

Job #: 201012JE-1 Technician(s): JE, MR

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Debris Removed From Wellbox	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
36D	✓							
36DD	✓							
36S	✓							
37S	✓						✓	
38S	✓							
T-4B	✓							
T-5B	✓							
T-7A	✓							
T-7B	✓							
T-8A	✓							
T-8B	✓							
T-8D	✓							
T-9A	✓							
T-9C	✓							
T-10B	✓							
T-10C	✓							
T-11C	✓							
T-12C	✓							
T-13A							✓	
T-14A							✓	

NOTES: 37S: 2/2 tabs stripped.; T-13A: 1/2 tabs.
T-14A: 1/2 Bolts

WELLHEAD INSPECTION CHECKLIST

Date: 10/12/2020 Client: **GES**

Project Name/Site Address: **NGC Microwave** @ 825 Stewart Dr., Sunnyvale, CA

Job #: 201012 JE-1 Technician(s): JE, MR

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Debris Removed From Wellbox	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
T-15A	X							
T-16A	X							
T-17A	X							
T-17B	X							
T-18A							X	
T-18B							X	
T-19A	X							
T-19B							X	
T-20A	X							
T-20B	X						X	
T-21A							X	
T-21B							X	
T-22A							X	
T-22B							X	
T-23A		X						
T-23B							X	
T-24A							X	
T-24B							X	
T-25A							X	
T-25BS	X							
T-25BD	X							

NOTES: T-18B: 2/2 ~~tabs stripped~~ (B) Bolts don't screw flush to ground ~~T-22B: needs new bolts (15/16") - rusted, doesn't screw into thread~~; T-21B: ~2/2 Bolts (IN) T-19B: Bolts don't screw flush into thread.; T-24A: ~2/2 Bolts; T-22B: ~1/2 Bolts; T-23B: Bolts don't screw flush into thread.; T-24B: Pin broken, ~2/2 Bolts T-18A: Lid cracked, ~2/2 tabs; T-21A: ~2/2 Bolts; T-22A: ~2/2 tabs; T-25A: ~2/2 Bolts, ~2/2 tabs

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME GES @ NGC Microwave				PROJECT NUMBER 200125E-1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI Pro plus	19B103477	10-15-2020 0718	PH: 7 PH: 10	7.10 9.95	✓ ✓	26.9 27.2	046518 10-21 046520 10-21
↓	↓	↓	PH: 4 Cond: 3,900	4.03 3,944	✓ ✓	27.0 27.5	046517 10-21 038499 1-22
↓	↓	↓	ORP: 230.0 DO: 100%	231.8 100%	✓	26.8	102120 11-21

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME: GES @ NGC Microwave - Sunnyvale, CA

PROJECT NUMBER: 201012 JE-1

EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. (°C)	Standard Lot# / Exp. Date
YSI pro Plus	19B103478	10/12/2020 1100	pH 7,10,4 Cond 3900	6.98, 9.95, 4.03 3908	✓ ✓	22.5 23.6	046520 Oct 2021 046518 " Oct 2021
" "	" "	" "	ORP 235.1 D.O 100%	234.4 100.6	✓ ✓	22.5 23.9	043020 04/30/2021
" "	" "	10/13/2020 0724	pH 7,10,4 cond 3900	6.98, 10.03, 3.96 3905	✓ ✓	23.9 23.6	046520 Oct 2021 046517 " " 046518 " " 042073 04/14/2022
" "	" "	" "	ORP 236.4 D.O 100%	236.5 100.5	✓ ✓	21.6 19.4	072120 09/21/2021
" "	" "	10/14/2020 0700	pH 7,10,4 cond 3900	7.03, 10.05, 3.97 3901	✓ ✓	24.5 24.6	046517 Oct 2021 046520 " " 046518 " " 042073 04/14/2022
" "	" "	" "	ORP 234.2 D.O 100%	234.1 100.5	✓ ✓	23.3 21.0	072120 09/21/2021
" "	" "	10/15/2020 0727	pH 7,10,4 cond 3900	7.05, 10.08, 3.96 3899	✓ ✓	25.4 25.1	046517 Oct 2021 046520 " " 046518 " " 042073 04/14/2022
" "	" "	" "	ORP 231.4 D.O 100%	231.4 100.4	✓ ✓	25.5 23.7	072120 09/21/2021

BLAINE TECH SERVICES, INC.

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME: **GES** @ NGC Microwave - Sunnyvale, CA

PROJECT NUMBER: 2010147M-1

EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. (°C)	Standard Lot# / Exp. Date /
YSI pro plus	16M10744	10-14-2020 1300	pH: 4 7 10	4.00 7.00 10.00	✓ ✓ ✓	24.1 24.1 24.1	5/21 5/21 5/21
			ORP: 2325 COND: 3900	232.6 3900 u/S	✓ ✓	24.1 24.1	6/21 6/21
			DO: 100.0%	100.0%	✓	23.3	
YSI	10A100056	10/15/2020 0800	pH: 4 7 10	4.00 7.00 10.00	✓ ✓ ✓		10/21 10/21 10/21
			ORP: 231 COND: 3900	231 3895	✓		04/22
			DO: 100.0%	100.0%	✓		

BLAINE TECH SERVICES, INC.

SPH or Purge Water Drum Log

Client: **GES**

Site Address: **NGC Microwave** @ 825 Stewart Dr., Sunnyvale, CA

STATUS OF DRUM(S) UPON ARRIVAL						
Date	10/9/19	10/12/2020	10/15/2020			
Number of drum(s) empty:						
Number of drum(s) 1/4 full:						
Number of drum(s) 1/2 full:						
Number of drum(s) 3/4 full:						
Number of drum(s) full:						
Total drum(s) on site:	0	0	0			
Are the drum(s) properly labeled?	—	—	—			
Drum ID & Contents:	—	—	—			
If any drum(s) are partially or totally filled, what is the first use date:	—	—	—			

- If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purgewater or DI Water.
-If drum contains SPH, the drum MUST be steel AND labeled with the appropriate label.
-All BTS drums MUST be labeled appropriately.

STATUS OF DRUM(S) UPON DEPARTURE						
Date	10/11/19		10/15/2020			
Number of drums empty:						
Number of drum(s) 1/4 full:						
Number of drum(s) 1/2 full:	1					
Number of drum(s) 3/4 full:			1			
Number of drum(s) full:						
Total drum(s) on site:	1					
Are the drum(s) properly labeled?	YES					
Drum ID & Contents:	PURGE H_2O		PURGE H_2O			

LOCATION OF DRUM(S)
Describe location of drum(s): IN FORMER TREATMENT SYSTEM FENCE

FINAL STATUS						
# of new drum(s) left onsite this event	1	1				
Date of inspection:	10/11/19	10/15/20				
Drum(s) labelled properly:	YES	yes				
Logged by BTS Field Tech:	TS	MR				
Office reviewed by:	GR	GR				

Appendix B – Historical Water-Level Elevation Measurements

Appendix B
Historical Water-Level Elevation Measurements
Former TRW Microwave Facility - 825 Stewart Drive, Sunnyvale, California

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-1A	A	1/16/1986	7.50	37.48	29.98
T-1A	A	3/14/1986	6.35	37.48	31.13
T-1A	A	5/13/1986	8.15	37.48	29.33
T-1A	A	7/24/1986	8.93	37.48	28.55
T-1A	A	11/30/1987	11.64	37.48	25.84
T-1A	A	2/24/1988	11.70	37.48	25.78
T-1A	A	4/12/1988	12.62	37.48	24.86
T-1A	A	7/26/1988	14.69	37.48	22.79
T-1A	A	10/25/1988	15.17	37.48	22.31
T-1A	A	1/10/1989	15.07	39.66	24.59
T-1A	A	4/3/1989	18.63	39.66	21.03
T-1A	A	9/14/1989	17.87	39.66	21.79
T-1A	A	10/10/1989	18.13	39.66	21.53
T-1A	A	1/8/1990	20.03	39.66	19.63
T-1A	A	4/6/1990	18.86	39.66	20.80
T-1A	A	7/5/1990	19.20	39.66	20.46
T-1A	A	10/9/1990	20.66	39.66	19.00
T-1A	A	1/8/1991	21.15	39.66	18.51
T-1A	A	4/9/1991	19.72	39.66	19.94
T-1A	A	7/9/1991	22.22	39.66	17.44
T-1A	A	10/7/1991	21.27	39.66	18.39
T-1A	A	1/6/1992	20.17	39.66	19.49
T-1A	A	4/6/1992	19.41	39.66	20.25
T-1A	A	7/6/1992	20.13	39.66	19.53
T-1A	A	10/29/1992	19.93	39.66	19.73
T-1A	A	1/5/1993	19.50	39.66	20.16
T-1A	A	4/5/1993	17.82	39.66	21.84
T-1A	A	7/6/1993	NM	39.66	NA
T-1A	A	10/15/1993	NM	39.66	NA
T-1A	A	1/11/1994	14.03	39.66	25.63
T-1A	A	4/4/1994	11.27	39.66	28.39
T-1A	A	7/6/1994	10.51	39.66	29.15
T-1A	A	10/5/1994	10.59	39.66	29.07
T-1A	A	1/10/1995	NM	39.66	NA
T-1A	A	4/5/1995	9.48	39.66	30.18
T-1A	A	7/5/1995	NM	39.66	NA
T-1A	A	10/9/1995	11.40	39.66	28.26
T-1A	A	7/10/1996	12.67	39.66	26.99
T-1A	A	10/1/1996	12.94	39.66	26.72
T-1A	A	4/1/1997	10.83	39.66	28.83
T-1A	A	10/1/1997	11.99	38.46	26.47
T-1A	A	4/1/1998	9.48	38.46	28.98
T-1A	A	10/5/1998	10.70	38.46	27.76
T-1A	A	4/5/1999	10.42	38.46	28.04
T-1A	A	10/4/1999	10.79	38.46	27.67
T-1A	A	10/2/2000	11.91	38.46	26.55
T-1A	A	10/1/2001	10.64	38.46	27.82
T-1A	A	10/14/2002	10.36	38.46	28.10
T-1A	A	10/9/2003	9.01	38.46	29.45
T-1A	A	Per Water Board approval, well T-1A was abandoned in February 2004.			
T-2A	A	5/13/1986	23.00	39.65	16.65
T-2A	A	7/24/1986	12.73	39.65	26.92
T-1A	A	10/2/1987	9.75	37.48	27.73
T-2A	A	10/2/1987	10.67	39.65	28.98
T-2A	A	11/30/1987	12.15	39.65	27.50
T-2A	A	2/24/1988	11.74	39.65	27.91
T-2A	A	4/12/1988	15.32	39.65	24.33
T-2A	A	7/26/1988	15.59	39.65	24.06
T-2A	A	10/25/1988	15.88	39.65	23.77
T-2A	A	1/10/1989	15.50	39.68	24.18
T-2A	A	4/3/1989	12.55	39.68	27.13
T-2A	A	9/14/1989	16.31	39.68	23.37

Appendix B
Historical Water-Level Elevation Measurements
Former TRW Microwave Facility - 825 Stewart Drive, Sunnyvale, California

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-2A	A	10/10/1989	15.77	39.68	23.91
T-2A	A	1/8/1990	12.88	39.68	26.80
T-2A	A	4/6/1990	17.40	39.68	22.28
T-2A	A	7/5/1990	16.06	39.68	23.62
T-2A	A	10/9/1990	16.64	39.68	23.04
T-2A	A	1/8/1991	10.18	39.68	29.50
T-2A	A	4/9/1991	NM	39.68	NA
T-2A	A	7/9/1991	16.66	39.68	23.02
T-2A	A	10/7/1991	17.16	39.68	22.52
T-2A	A	1/6/1992	16.37	39.68	23.31
T-2A	A	4/6/1992	16.91	39.68	22.77
T-2A	A	7/6/1992	15.26	39.68	24.42
T-2A	A	10/29/1992	16.61	39.68	23.07
T-2A	A	1/5/1993	Dry	39.68	NA
T-2A	A	4/5/1993	17.34	39.68	22.34
T-2A	A	7/6/1993	17.54	39.68	22.14
T-2A	A	10/15/1993	Dry	39.68	NA
T-2A	A	1/11/1994	18.47	39.68	21.21
T-2A	A	4/4/1994	Dry	39.68	NA
T-2A	A	7/6/1994	18.97	39.68	20.71
T-2A	A	10/5/1994	Dry	39.68	NA
T-2A	A	1/10/1995	18.65	39.68	21.03
T-2A	A	4/5/1995	17.91	39.68	21.77
T-2A	A	7/5/1995	19.25	39.68	20.43
T-2A	A	10/9/1995	18.60	39.68	21.08
T-2A	A	7/10/1996	17.45	39.68	22.23
T-2A	A	10/1/1996	12.56	39.68	27.12
T-2A	A	4/1/1997	17.32	39.68	22.36
T-2A	A	10/1/1997	16.70	40.99	24.29
T-2A	A	4/1/1998	12.08	40.99	28.91
T-2A	A	10/5/1998	NM	40.99	NA
T-2A	A	4/5/1999	14.51	40.99	26.48
T-2A	A	10/4/1999	16.87	40.99	24.12
T-2A	A	10/2/2000	13.22	40.99	27.77
T-2A	A	10/1/2001	11.46	40.99	29.53
T-2A	A	10/1/2002	9.42	39.46	30.04
T-2A	A	10/9/2003	8.56	39.46	30.90
T-2A	A	10/4/2004	9.02	39.46	30.44
T-2A	A	10/10/2005	7.82	39.46	31.64
T-2A	A	10/16/2006	7.69	39.46	31.77
T-2A	A	10/8/2007	7.39	42.16	34.77
T-2A	A	10/13/2008	7.83	42.16	34.33
T-2A	A	10/12/2009	8.78	42.16	33.38
T-2A	A	10/11/2010	8.45	42.16	33.71
T-2A	A	11/15/2010	8.19	42.16	33.97
T-2A	A	3/8/2011	7.34	42.16	34.82
T-2A	A	5/3/2011	7.59	42.16	34.57
T-2A	A	10/10/2011	8.01	42.16	34.15
T-2A	A	4/26/2012	7.75	42.16	34.41
T-2A	A	10/8/2012	8.03	44.86	36.83
T-2A	A	5/22/2013	8.22	44.86	36.64
T-2A	A	10/14/2013	8.53	44.86	36.33
T-2A	A	4/14/2014	8.05	44.86	36.81
T-2A	A	9/24/2014	8.08	44.86	36.78
T-2A	A	Per USEPA approval, well T-2A was destroyed.			
T-3A	A	1/15/1986	7.90	39.66	31.76
T-3A	A	3/14/1986	7.16	39.66	32.50
T-3A	A	4/23/1986	9.50	39.66	30.16
T-3A	A	5/13/1986	9.75	39.66	29.91
T-3A	A	7/24/1986	9.89	39.66	29.77
T-3A	A	10/2/1987	8.68	39.66	30.98
T-3A	A	11/30/1987	9.78	39.66	29.88

Appendix B
Historical Water-Level Elevation Measurements
Former TRW Microwave Facility - 825 Stewart Drive, Sunnyvale, California

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-3A	A	2/24/1988	9.62	39.66	30.04
T-3A	A	4/12/1988	9.30	39.66	30.36
T-3A	A	7/26/1988	10.01	39.66	29.65
T-3A	A	10/25/1988	9.75	39.66	29.91
T-3A	A	1/10/1989	NM	39.47	NA
T-3A	A	4/3/1989	9.12	39.47	30.35
T-3A	A	9/14/1989	10.04	39.47	29.43
T-3A	A	10/10/1989	10.76	39.47	28.71
T-3A	A	1/8/1990	9.73	39.47	29.74
T-3A	A	4/6/1990	10.17	39.47	29.30
T-3A	A	7/5/1990	10.22	39.47	29.25
T-3A	A	10/9/1990	12.57	39.47	26.90
T-3A	A	1/8/1991	10.65	39.47	28.82
T-3A	A	4/9/1991	11.80	39.47	27.67
T-3A	A	7/9/1991	12.50	39.47	26.97
T-3A	A	10/7/1991	11.06	39.47	28.41
T-3A	A	1/6/1992	12.25	39.47	27.22
T-3A	A	4/6/1992	11.28	39.47	28.19
T-3A	A	7/6/1992	14.90	39.47	24.57
T-3A	A	10/29/1992	11.00	39.47	28.47
T-3A	A	1/5/1993	11.34	39.47	28.13
T-3A	A	4/5/1993	10.95	39.47	28.52
T-3A	A	7/6/1993	13.12	39.47	26.35
T-3A	A	10/15/1993	13.73	39.47	25.74
T-3A	A	1/11/1994	14.04	39.47	25.43
T-3A	A	4/4/1994	13.64	39.47	25.83
T-3A	A	7/6/1994	13.34	39.47	26.13
T-3A	A	10/5/1994	10.72	39.47	28.75
T-3A	A	1/10/1995	10.35	39.47	29.12
T-3A	A	4/5/1995	9.70	39.47	29.77
T-3A	A	7/5/1995	11.42	39.47	28.05
T-3A	A	10/9/1995	11.73	39.47	27.74
T-3A	A	7/10/1996	11.37	39.47	28.10
T-3A	A	10/1/1996	11.69	39.47	27.78
T-3A	A	4/1/1997	10.03	39.47	29.44
T-3A	A	10/1/1997	10.82	39.04	28.22
T-3A	A	4/1/1998	8.42	39.04	30.62
T-3A	A	10/5/1998	6.52	39.04	32.52
T-3A	A	4/5/1999	9.46	39.04	29.58
T-3A	A	10/4/1999	9.69	39.04	29.35
T-3A	A	10/2/2000	9.97	39.04	29.07
T-3A	A	10/1/2001	9.23	39.04	29.81
T-3A	A	10/14/2002	8.90	39.04	30.14
T-3A	A	10/9/2003	8.07	39.04	30.97
T-3A	A	10/4/2004	8.56	39.04	30.48
T-3A	A	10/10/2005	7.25	39.04	31.79
T-3A	A	10/16/2006	7.11	39.04	31.93
T-3A	A	10/8/2007	6.78	41.74	34.96
T-3A	A	10/13/2008	7.28	41.74	34.46
T-3A	A	10/12/2009	8.32	41.74	33.42
T-3A	A	10/11/2010	7.92	41.74	33.82
T-3A	A	10/10/2011	7.48	41.74	34.26
T-3A	A	10/8/2012	7.59	41.74	34.15
T-3A	A	10/14/2013	7.99	41.74	33.75
T-3A	A	4/14/2014	7.54	41.74	34.20
T-3A	A	9/24/2014	7.68	41.74	34.06
T-3A	A	Per USEPA approval, well T-3A was destroyed.			
T-6A	0	1/15/1986	9.75	37.99	28.24
T-6A	0	5/13/1986	9.85	37.99	28.14
T-6A	0	7/24/1986	10.14	37.99	27.85
T-6A	0	10/2/1987	11.63	37.99	26.36
T-6A	0	11/30/1987	12.30	37.99	25.69

Appendix B
Historical Water-Level Elevation Measurements
Former TRW Microwave Facility - 825 Stewart Drive, Sunnyvale, California

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-6A	0	2/24/1988	12.15	37.99	25.84
T-6A	0	4/12/1988	12.61	37.99	25.38
T-6A	0	7/26/1988	12.95	37.99	25.04
T-6A	0	10/25/1988	13.35	37.99	24.64
T-6A	0	1/10/1989	13.42	37.81	24.39
T-6A	0	4/3/1989	14.34	37.81	23.47
T-6A	0	9/14/1989	14.76	37.81	23.05
T-6A	0	10/10/1989	14.92	37.81	22.89
T-6A	0	1/8/1990	15.44	37.81	22.37
T-6A	0	4/6/1990	15.29	37.81	22.52
T-6A	0	7/5/1990	NM	37.81	NA
T-6A	0	10/9/1990	16.12	37.81	21.69
T-6A	0	1/8/1991	16.03	37.81	21.78
T-6A	0	4/9/1991	15.33	37.81	22.48
T-6A	0	7/9/1991	14.79	37.81	23.02
T-6A	0	10/7/1991	15.73	37.81	22.08
T-6A	0	1/6/1992	16.33	37.81	21.48
T-6A	0	4/6/1992	14.47	37.81	23.34
T-6A	0	7/6/1992	14.20	37.81	23.61
T-6A	0	10/29/1992	13.08	37.81	24.73
T-6A	0	1/5/1993	12.98	37.81	24.83
T-6A	0	4/5/1993	11.63	37.81	26.18
T-6A	0	7/6/1993	12.48	37.81	25.33
T-6A	0	10/15/1993	11.28	37.81	26.53
T-6A	0	1/11/1994	12.48	37.81	25.33
T-6A	0	4/4/1994	11.90	37.81	25.91
T-6A	0	7/6/1994	11.54	37.81	26.27
T-6A	0	10/5/1994	10.80	37.81	27.01
T-6A	0	1/10/1995	10.66	37.81	27.15
T-6A	0	4/5/1995	8.89	37.81	28.92
T-6A	0	7/5/1995	11.17	37.81	26.64
T-6A	0	10/9/1995	11.40	37.81	26.41
T-6A	0	7/10/1996	11.77	37.81	26.04
T-6A	0	10/1/1996	11.69	37.81	26.12
T-6A	0	4/1/1997	10.05	37.81	27.76
T-6A	0	10/1/1997	11.23	37.22	25.99
T-6A	0	4/1/1998	9.02	37.22	28.20
T-6A	0	10/5/1998	10.17	37.22	27.05
T-6A	0	4/5/1999	9.96	37.22	27.26
T-6A	0	10/4/1999	10.37	37.22	26.85
T-6A	0	10/2/2000	10.55	37.22	26.67
T-6A	0	10/1/2001	8.40	37.22	28.82
T-6A	0	10/14/2002	8.31	37.22	28.91
T-6A	0	10/9/2003	7.29	37.22	29.93
T-6A	0	10/10/2005	8.45	37.22	28.77
T-6A	0	10/16/2006	8.21	37.22	29.01
T-6A	0	10/8/2007	8.00	39.92	31.92
T-6A	0	10/13/2008	NM	39.92	NA
T-6A	0	10/12/2009	8.92	39.92	31.00
T-6A	0	10/11/2010	NM	39.92	NA
T-6A	0	10/10/2011	NM	39.92	NA
T-6A	0	10/8/2012	NM	39.92	NA
T-6A	0	10/14/2013	NM	39.92	NA
T-6A	0	10/12/2015	NM	39.92	NA
T-6A	A	Per RWQCB approval, well T-6A was removed from monitoring program.			
T-7A	A	1/16/1986	7.90	39.57	31.67
T-7A	A	3/12/1986	6.05	39.57	33.52
T-7A	A	3/14/1986	6.20	39.57	33.37
T-7A	A	4/22/1986	7.80	39.57	31.77
T-1A	A	4/23/1986	8.50	37.48	28.98
T-7A	A	5/13/1986	8.19	39.57	31.38
T-7A	A	7/24/1986	8.13	39.57	31.44

Appendix B
Historical Water-Level Elevation Measurements
Former TRW Microwave Facility - 825 Stewart Drive, Sunnyvale, California

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-7A	A	10/2/1987	9.01	39.57	30.56
T-7A	A	11/30/1987	9.89	39.57	29.68
T-7A	A	2/24/1988	10.09	39.57	29.48
T-7A	A	4/12/1988	10.71	39.57	28.86
T-7A	A	7/26/1988	11.22	39.57	28.35
T-7A	A	10/25/1988	11.36	39.57	28.21
T-7A	A	1/10/1989	11.84	39.53	27.69
T-7A	A	4/3/1989	12.21	39.53	27.32
T-7A	A	9/14/1989	10.17	39.53	29.36
T-7A	A	10/10/1989	11.71	39.53	27.82
T-7A	A	1/8/1990	15.13	39.53	24.40
T-7A	A	4/6/1990	15.29	39.53	24.24
T-7A	A	7/5/1990	16.19	39.53	23.34
T-7A	A	10/9/1990	16.46	39.53	23.07
T-7A	A	1/8/1991	17.67	39.53	21.86
T-7A	A	4/9/1991	14.97	39.53	24.56
T-7A	A	7/9/1991	17.39	39.53	22.14
T-7A	A	10/7/1991	18.18	39.53	21.35
T-7A	A	1/6/1992	13.61	39.53	25.92
T-7A	A	4/6/1992	14.84	39.53	24.69
T-7A	A	7/6/1992	15.61	39.53	23.92
T-7A	A	10/29/1992	13.26	39.53	26.27
T-7A	A	1/5/1993	10.77	39.53	28.76
T-7A	A	4/5/1993	11.04	39.53	28.49
T-7A	A	7/6/1993	11.53	39.53	28.00
T-7A	A	10/15/1993	12.04	39.53	27.49
T-7A	A	1/11/1994	12.45	39.53	27.08
T-7A	A	4/4/1994	12.52	39.53	27.01
T-7A	A	7/6/1994	12.21	39.53	27.32
T-7A	A	10/5/1994	10.60	39.53	28.93
T-7A	A	1/10/1995	8.88	39.53	30.65
T-7A	A	4/5/1995	8.56	39.53	30.97
T-7A	A	7/5/1995	10.55	39.53	28.98
T-7A	A	10/9/1995	9.76	39.53	29.77
T-7A	A	7/10/1996	10.11	39.53	29.42
T-7A	A	10/1/1996	10.10	39.53	29.43
T-7A	A	4/1/1997	8.60	39.53	30.93
T-7A	A	10/1/1997	9.34	38.97	29.63
T-7A	A	4/1/1998	7.46	38.97	31.51
T-7A	A	10/5/1998	8.22	38.97	30.75
T-7A	A	4/5/1999	8.37	38.97	30.60
T-7A	A	10/4/1999	8.55	38.97	30.42
T-7A	A	10/2/2000	8.41	38.97	30.56
T-7A	A	10/1/2001	8.37	38.97	30.60
T-7A	A	10/14/2002	8.23	39.39	31.16
T-7A	A	10/9/2003	7.07	39.39	32.32
T-7A	A	10/4/2004	7.68	39.39	31.71
T-7A	A	10/10/2005	6.44	39.39	32.95
T-7A	A	10/16/2006	6.33	39.39	33.06
T-7A	A	10/8/2007	6.14	42.09	35.95
T-7A	A	10/13/2008	6.54	42.09	35.55
T-7A	A	10/12/2009	7.31	42.09	34.78
T-7A	A	10/11/2010	7.05	42.09	35.04
T-7A	A	10/10/2011	6.60	42.09	35.49
T-7A	A	10/8/2012	6.75	42.09	35.34
T-7A	A	10/14/2013	7.11	42.09	34.98
T-7A	A	10/13/2014	6.89	42.09	35.20
T-7A	A	6/26/2015	7.01	42.09	35.08
T-7A	A	10/12/2015	7.71	42.09	34.38
T-7A	A	5/26/2016	6.70	42.09	35.39
T-7A	A	10/10/2016	7.70	42.09	34.39
T-7A	A	10/9/2017	6.80	41.84	35.04

Appendix B
Historical Water-Level Elevation Measurements
Former TRW Microwave Facility - 825 Stewart Drive, Sunnyvale, California

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-7A	A	10/8/2018	6.36	41.84	35.48
T-7A	A	10/8/2019	6.38	41.84	35.46
T-7A	A	10/12/2020	6.52	41.84	35.32
T-8A	A	3/10/1986	6.11	38.36	32.25
T-8A	A	5/13/1986	11.55	38.36	26.81
T-8A	A	7/24/1986	13.34	38.36	25.02
T-8A	A	10/2/1987	9.66	38.36	28.70
T-8A	A	11/30/1987	10.70	38.36	27.66
T-8A	A	2/24/1988	11.09	38.36	27.27
T-8A	A	4/12/1988	NM	38.36	NA
T-8A	A	7/26/1988	15.85	38.36	22.51
T-8A	A	10/25/1988	14.77	38.36	23.59
T-8A	A	1/10/1989	NM	38.32	NA
T-8A	A	4/3/1989	15.06	38.32	23.26
T-8A	A	9/14/1989	14.40	38.32	23.92
T-8A	A	10/10/1989	16.67	38.32	21.65
T-8A	A	1/8/1990	14.10	38.32	24.22
T-8A	A	4/6/1990	15.11	38.32	23.21
T-8A	A	7/5/1990	14.73	38.32	23.59
T-8A	A	10/9/1990	15.46	38.32	22.86
T-8A	A	1/8/1991	15.84	38.32	22.48
T-8A	A	4/9/1991	14.54	38.32	23.78
T-8A	A	7/9/1991	15.21	38.32	23.11
T-8A	A	10/7/1991	15.68	38.32	22.64
T-8A	A	1/6/1992	15.40	38.32	22.92
T-8A	A	4/6/1992	14.76	38.32	23.56
T-8A	A	7/6/1992	14.08	38.32	24.24
T-8A	A	10/29/1992	13.23	38.32	25.09
T-8A	A	1/5/1993	12.92	38.32	25.40
T-8A	A	4/5/1993	15.57	38.32	22.75
T-8A	A	7/6/1993	12.52	38.32	25.80
T-8A	A	10/15/1993	15.78	38.32	22.54
T-8A	A	1/11/1994	13.97	38.32	24.35
T-8A	A	4/4/1994	13.20	38.32	25.12
T-8A	A	7/6/1994	12.67	38.32	25.65
T-8A	A	10/5/1994	11.95	38.32	26.37
T-8A	A	1/10/1995	11.91	38.32	26.41
T-8A	A	4/5/1995	12.76	38.32	25.56
T-8A	A	7/5/1995	15.90	38.32	22.42
T-8A	A	10/9/1995	16.02	38.32	22.30
T-8A	A	7/10/1996	13.09	38.32	25.23
T-8A	A	10/1/1996	13.00	38.32	25.32
T-8A	A	4/1/1997	10.95	38.32	27.37
T-8A	A	10/1/1997	10.95	38.32	27.37
T-8A	A	4/1/1998	8.21	38.32	30.11
T-8A	A	10/5/1998	9.27	38.32	29.05
T-8A	A	4/5/1999	8.75	38.32	29.57
T-8A	A	10/4/1999	8.88	38.32	29.44
T-8A	A	10/2/2000	9.43	38.32	28.89
T-8A	A	10/1/2001	8.43	38.32	29.89
T-8A	A	10/1/2002	8.10	37.68	29.58
T-8A	A	10/9/2003	7.27	37.68	30.41
T-8A	A	10/4/2004	7.70	37.68	29.98
T-8A	A	10/10/2005	6.48	37.68	31.20
T-8A	A	10/16/2006	6.35	37.68	31.33
T-8A	A	10/8/2007	6.02	40.38	34.36
T-8A	A	10/13/2008	6.54	40.38	33.84
T-8A	A	10/12/2009	7.50	40.38	32.88
T-8A	A	4/5/2010	6.16	40.38	34.22
T-8A	A	10/11/2010	6.85*	40.38	33.53
T-8A	A	5/2/2011	6.25	40.38	34.13
T-8A	A	10/10/2011	6.68	40.38	33.70

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-8A	A	4/26/2012	6.28	40.38	34.10
T-8A	A	10/8/2012	6.86	40.38	33.52
T-8A	A	5/20/2013	7.60	40.38	32.78
T-8A	A	10/14/2013	7.25	40.38	33.13
T-8A	A	4/14/2014	6.78	40.38	33.60
T-8A	A	10/13/2014	6.67	40.38	33.71
T-8A	A	6/26/2015	7.09	40.38	33.29
T-8A	A	10/12/2015	7.68	40.38	32.70
T-8A	A	5/26/2016	6.73	40.38	33.65
T-8A	A	10/10/2016	7.47	40.38	32.91
T-8A	A	10/9/2017	6.72	40.38	33.66
T-8A	A	10/8/2018	6.21	40.48	34.27
T-8A	A	10/8/2019	6.20	40.48	34.27
T-8A	A	10/12/2020	6.42	40.48	34.06
T-9A	A	3/12/1986	6.12	37.22	31.10
T-9A	A	3/14/1986	13.50	37.22	23.72
T-9A	A	3/17/1986	11.85	37.22	25.37
T-9A	A	5/13/1986	12.12	37.22	25.10
T-9A	A	10/2/1987	9.66	37.22	27.56
T-9A	A	11/30/1987	11.98	37.22	25.24
T-9A	A	2/24/1988	12.80	37.22	24.42
T-9A	A	4/12/1988	12.01	37.22	25.21
T-9A	A	7/26/1988	11.85	37.22	25.37
T-9A	A	10/25/1988	12.34	37.22	24.88
T-9A	A	1/10/1989	12.33	37.22	24.89
T-9A	A	4/3/1989	12.54	37.22	24.68
T-9A	A	9/14/1989	13.43	37.22	23.79
T-9A	A	10/10/1989	14.63	37.22	22.59
T-9A	A	1/8/1990	14.09	37.22	23.13
T-9A	A	4/6/1990	14.10	37.22	23.12
T-9A	A	7/5/1990	14.58	37.22	22.64
T-9A	A	10/9/1990	15.26	37.22	21.96
T-9A	A	1/8/1991	15.57	37.22	21.65
T-9A	A	4/9/1991	14.31	37.22	22.91
T-9A	A	7/9/1991	14.94	37.22	22.28
T-9A	A	10/7/1991	15.34	37.22	21.88
T-9A	A	1/6/1992	15.04	37.22	22.18
T-9A	A	4/6/1992	14.52	37.22	22.70
T-9A	A	7/6/1992	13.97	37.22	23.25
T-9A	A	10/29/1992	13.21	37.22	24.01
T-9A	A	1/5/1993	DRY	37.22	NA
T-9A	A	4/5/1993	14.12	37.22	23.10
T-9A	A	7/6/1993	12.80	37.22	24.42
T-9A	A	10/15/1993	13.26	37.22	23.96
T-9A	A	1/11/1994	15.20	37.22	22.02
T-9A	A	4/4/1994	12.93	37.22	24.29
T-9A	A	7/6/1994	12.85	37.22	24.37
T-9A	A	10/5/1994	12.72	37.22	24.50
T-9A	A	1/10/1995	11.12	37.22	26.10
T-9A	A	4/5/1995	8.84	37.22	28.38
T-9A	A	7/5/1995	11.00	37.22	26.22
T-9A	A	10/9/1995	11.33	37.22	25.89
T-9A	A	7/10/1996	10.67	37.22	26.55
T-9A	A	10/1/1996	11.03	37.22	26.19
T-9A	A	4/1/1997	9.88	37.22	27.34
T-9A	A	10/1/1997	11.29	37.21	25.92
T-9A	A	4/1/1998	8.57	37.21	28.64
T-9A	A	10/5/1998	9.17	37.21	28.04
T-9A	A	4/5/1999	10.07	37.21	27.14
T-9A	A	10/4/1999	9.94	37.21	27.27
T-9A	A	10/2/2000	11.30	37.21	25.91
T-9A	A	10/1/2001	8.67	37.21	28.54

Appendix B
Historical Water-Level Elevation Measurements
Former TRW Microwave Facility - 825 Stewart Drive, Sunnyvale, California

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-9A	A	10/14/2002	8.27	37.21	28.94
T-9A	A	10/9/2003	7.51	37.21	29.70
T-9A	A	10/4/2004	7.84	37.21	29.37
T-9A	A	10/10/2005	6.53	37.21	30.68
T-9A	A	10/16/2006	6.77	36.52	29.75
T-9A	A	10/8/2007	6.33	39.22	32.89
T-9A	A	10/13/2008	6.80	39.22	32.42
T-9A	A	10/12/2009	7.89	39.22	31.33
T-9A	A	10/11/2010	7.53	39.22	31.69
T-9A	A	10/10/2011	7.07	39.22	32.15
T-9A	A	10/8/2012	7.26	39.22	31.96
T-9A	A	10/14/2013	7.71	39.22	31.51
T-9A	A	10/13/2014	6.60	39.22	32.62
T-9A	A	10/12/2015	7.90	39.22	31.32
T-9A	A	5/26/2016	6.99	39.22	32.23
T-9A	A	10/10/2016	7.61	39.22	31.61
T-9A	A	10/9/2017	6.93	39.22	32.29
T-9A	A	10/8/2018	6.33	39.30	32.97
T-9A	A	10/8/2019	NM	39.30	NA
T-9A	A	10/12/2020	6.60	39.30	32.70
T-13A	A	10/16/2016	6.58	38.06	31.48
T-13A	A	10/8/2007	6.31	40.76	34.45
T-13A	A	10/13/2008	6.92	40.76	33.84
T-13A	A	10/12/2009	7.78	40.76	32.98
T-13A	A	4/5/2010	6.38	40.76	34.38
T-13A	A	10/11/2010	7.44	40.76	33.32
T-13A	A	5/2/2011	6.57	40.76	34.19
T-13A	A	10/10/2011	7.04	40.76	33.72
T-13A	A	4/27/2012	6.51	40.76	34.25
T-13A	A	10/8/2012	7.12	40.76	33.64
T-13A	A	5/21/2013	7.29	40.76	33.47
T-13A	A	10/14/2013	7.49	40.76	33.27
T-13A	A	4/14/2014	7.02	40.76	33.74
T-13A	A	10/13/2014	7.01	40.76	33.75
T-13A	A	6/26/2015	7.34	40.76	33.42
T-13A	A	10/12/2015	8.06	40.76	32.70
T-13A	A	5/26/2016	7.00	40.76	33.76
T-13A	A	10/10/2016	7.99	40.76	32.77
T-13A	A	10/9/2017	7.03	40.76	33.73
T-13A	A	10/8/2018	6.40	40.99	34.59
T-13A	A	10/8/2019	6.52	40.99	34.47
T-13A	A	10/12/2020	6.71	40.99	34.28
T-14A	A	10/16/2006	6.52	37.92	31.40
T-14A	A	10/8/2007	6.30	40.62	34.32
T-14A	A	10/13/2008	6.73	40.62	33.89
T-14A	A	10/12/2009	7.71	40.62	32.91
T-14A	A	4/5/2010	6.28	40.62	34.34
T-14A	A	10/11/2010	7.38	40.62	33.24
T-14A	A	5/2/2011	6.50	40.62	34.12
T-14A	A	10/10/2011	6.93	40.62	33.69
T-14A	A	4/27/2012	6.49	40.62	34.13
T-14A	A	10/8/2012	7.07	40.62	33.55
T-14A	A	5/21/2013	7.31	40.62	33.31
T-14A	A	10/14/2013	7.46	40.62	33.16
T-14A	A	4/14/2014	7.01	40.62	33.61
T-14A	A	10/13/2014	6.92	40.62	33.70
T-14A	A	10/12/2015	7.93	40.62	32.69
T-14A	A	5/26/2016	6.92	40.62	33.70
T-14A	A	10/10/2016	7.67	40.62	32.95
T-14A	A	10/9/2017	6.94	40.62	33.68
T-14A	A	10/8/2018	6.34	40.81	34.47
T-14A	A	10/8/2019	6.48	40.81	34.33

Appendix B
Historical Water-Level Elevation Measurements
Former TRW Microwave Facility - 825 Stewart Drive, Sunnyvale, California

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-14A	A	10/12/2020	6.63	40.81	34.18
T-15A	A	10/16/2006	6.48	37.41	30.93
T-15A	A	10/8/2007	6.15	40.11	33.96
T-15A	A	10/13/2008	6.68	40.11	33.43
T-15A	A	10/12/2009	7.61	40.11	32.50
T-15A	A	10/11/2010	7.28	40.11	32.83
T-15A	A	10/10/2011	6.81	40.11	33.30
T-15A	A	4/26/2012	6.41	40.11	33.70
T-15A	A	10/8/2012	6.98	40.11	33.13
T-15A	A	5/20/2013	7.20	40.11	32.91
T-15A	A	10/14/2013	7.38	40.11	32.73
T-15A	A	4/14/2014	6.92	40.11	33.19
T-15A	A	10/13/2014	6.72	40.11	33.39
T-15A	A	10/12/2015	7.81	40.11	32.30
T-15A	A	5/26/2016	6.84	40.11	33.27
T-15A	A	10/10/2016	7.56	40.11	32.55
T-15A	A	10/9/2017	6.82	40.11	33.29
T-15A	A	10/8/2018	6.14	40.22	34.08
T-15A	A	10/8/2019	6.24	40.22	33.98
T-15A	A	10/12/2020	6.48	40.22	33.74
T-16A	A	10/16/2006	6.60	37.32	30.72
T-16A	A	10/8/2007	6.30	40.02	33.72
T-16A	A	10/13/2008	6.75	40.02	33.27
T-16A	A	10/12/2009	7.74	40.02	32.28
T-16A	A	10/11/2010	7.36	40.02	32.66
T-16A	A	10/10/2011	6.91	40.02	33.11
T-16A	A	10/8/2012	7.11	40.02	32.91
T-16A	A	10/14/2013	7.56	40.02	32.46
T-16A	A	10/13/2014	6.77	40.02	33.25
T-16A	A	10/12/2015	7.83	40.02	32.19
T-16A	A	10/10/2016	7.68	40.02	32.34
T-16A	A	10/9/2017	6.97	40.02	33.05
T-16A	A	10/8/2018	6.23	40.12	33.89
T-16A	A	10/8/2019	6.36	40.12	33.76
T-16A	A	10/12/2020	6.55	40.12	33.57
T-17A	A	4/26/2012	7.12	40.02	32.90
T-17A	A	11/13/2012	7.50	38.23	30.73
T-17A	A	5/20/2013	7.62	38.23	30.61
T-17A	A	10/14/2013	7.82	38.23	30.41
T-17A	A	4/14/2014	7.30	38.23	30.93
T-17A	A	10/13/2014	7.19	38.23	31.04
T-17A	A	6/26/2015	7.53	38.23	30.70
T-17A	A	10/12/2015	8.18	38.23	30.05
T-17A	A	5/26/2016	7.18	38.23	31.05
T-17A	A	10/10/2016	7.94	38.23	30.29
T-17A	A	10/9/2017	7.25	38.23	30.98
T-17A	A	10/8/2018	6.64	40.88	34.24
T-17A	A	10/8/2019	6.70	40.88	34.18
T-17A	A	10/12/2020	6.92	40.88	33.96
T-18A	A	9/4/2007	6.92	NS	NA
T-18A	A	10/8/2007	6.87	NS	NA
T-18A	A	10/12/2009	8.28	NS	NA
T-18A	A	10/11/2010	7.87	NS	NA
T-18A	A	10/10/2011	7.42	NS	NA
T-18A	A	10/8/2012	7.83	NS	NA
T-18A	A	10/14/2013	7.96	NS	NA
T-18A	A	10/13/2014	7.41	NS	NA
T-18A	A	10/12/2015	8.43	NS	NA
T-18A	A	10/10/2016	8.20	NS	NA
T-18A	A	10/9/2017	7.47	NS	NA
T-18A	A	10/8/2018	6.94	41.20	34.26
T-18A	A	10/8/2019	6.94	41.20	34.26

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Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-18A	A	10/12/2020	7.13	41.20	34.07
T-19A	A	9/4/2007	6.67	NS	NA
T-19A	A	10/8/2007	6.45	NS	NA
T-19A	A	10/12/2009	8.01	NS	NA
T-19A	A	4/5/2010	6.49	NS	NA
T-19A	A	10/11/2010	7.67	NS	NA
T-19A	A	5/2/2011	6.80	NS	NA
T-19A	A	10/10/2011	7.19	NS	NA
T-19A	A	4/27/2012	6.71	NS	NA
T-19A	A	10/8/2012	7.39	NS	NA
T-19A	A	5/21/2013	7.52	NS	NA
T-19A	A	10/14/2013	7.79	NS	NA
T-19A	A	4/14/2014	7.39	NS	NA
T-19A	A	10/13/2014	7.18	NS	NA
T-19A	A	6/26/2015	7.53	NS	NA
T-19A	A	10/12/2015	8.21	NS	NA
T-19A	A	5/26/2016	7.21	NS	NA
T-19A	A	10/10/2016	7.96	NS	NA
T-19A	A	10/9/2017	7.25	NS	NA
T-19A	A	10/8/2018	6.61	41.00	34.39
T-19A	A	10/8/2019	6.73	41.00	34.27
T-19A	A	10/12/2020	6.92	41.00	34.08
T-20A	A	9/4/2007	6.70	NS	NA
T-20A	A	10/8/2007	6.32	NS	NA
T-20A	A	10/12/2009	7.80	NS	NA
T-20A	A	10/11/2010	7.44	NS	NA
T-20A	A	10/10/2011	7.00	NS	NA
T-20A	A	10/8/2012	7.16	NS	NA
T-20A	A	10/14/2013	7.54	NS	NA
T-20A	A	10/13/2014	7.01	NS	NA
T-20A	A	10/12/2015	8.15	NS	NA
T-20A	A	10/10/2016	7.77	NS	NA
T-20A	A	10/9/2017	7.06	NS	NA
T-20A	A	10/8/2018	6.43	40.86	34.43
T-20A	A	10/8/2019	6.56	40.86	34.30
T-20A	A	10/12/2020	6.72	40.86	34.14
T-21A	A	9/4/2007	6.69	NS	NA
T-21A	A	10/8/2007	6.62	NS	NA
T-21A	A	10/12/2009	8.11	NS	NA
T-21A	A	10/11/2010	7.83	NS	NA
T-21A	A	10/10/2011	7.32	NS	NA
T-21A	A	10/8/2012	7.43	NS	NA
T-21A	A	10/14/2013	7.88	NS	NA
T-21A	A	10/13/2014	7.28	NS	NA
T-21A	A	10/12/2015	17.90	NS	NA
T-21A	A	10/10/2016	8.03	NS	NA
T-21A	A	10/9/2017	7.31	NS	NA
T-21A	A	10/8/2018	6.73	41.20	34.47
T-21A	A	10/8/2019	6.77	41.20	34.43
T-21A	A	10/12/2020	7.01	41.20	34.19
T-22A	A	9/4/2007	6.65	NS	NA
T-22A	A	10/8/2007	6.63	NS	NA
T-22A	A	10/12/2009	8.06	NS	NA
T-22A	A	10/11/2010	7.70	NS	NA
T-22A	A	10/10/2011	7.24	NS	NA
T-22A	A	10/8/2012	7.35	NS	NA
T-22A	A	10/14/2013	7.81	NS	NA
T-22A	A	10/13/2014	7.29	NS	NA
T-22A	A	10/12/2015	8.26	NS	NA
T-22A	A	10/10/2016	8.07	NS	NA
T-22A	A	10/9/2017	7.29	NS	NA
T-22A	A	10/8/2018	6.16	NS	NA

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-22A	A	10/8/2019	6.23	NS	NA
T-22A	A	10/12/2020	7.00	NS	NA
T-23A	A	9/4/2007	6.84	NS	NA
T-23A	A	10/8/2007	6.86	NS	NA
T-23A	A	10/12/2009	8.38	NS	NA
T-23A	A	4/5/2010	6.82	NS	NA
T-23A	A	10/11/2010	7.90	NS	NA
T-23A	A	5/2/2011	7.00	NS	NA
T-23A	A	10/10/2011	7.49	NS	NA
T-23A	A	4/27/2012	7.13	NS	NA
T-23A	A	10/8/2012	7.53	NS	NA
T-23A	A	5/21/2013	7.82	NS	NA
T-23A	A	10/14/2013	8.06	NS	NA
T-23A	A	4/14/2014	7.61	NS	NA
T-23A	A	10/13/2014	7.48	NS	NA
T-23A	A	6/26/2015	7.80	NS	NA
T-23A	A	10/12/2015	8.44	NS	NA
T-23A	A	5/26/2016	7.49	NS	NA
T-23A	A	10/10/2016	8.27	NS	NA
T-23A	A	10/9/2017	7.49	NS	NA
T-23A	A	10/8/2018	7.19	41.44	34.25
T-23A	A	10/8/2019	6.95	41.44	34.49
T-23A	A	10/12/2020	7.05	41.44	34.39
T-24A	A	9/4/2007	6.68	NS	NA
T-24A	A	10/8/2007	6.64	NS	NA
T-24A	A	10/11/2010	7.79	NS	NA
T-24A	A	10/10/2011	7.33	NS	NA
T-24A	A	10/8/2012	7.45	NS	NA
T-24A	A	10/14/2013	7.84	NS	NA
T-24A	A	10/13/2014	7.28	NS	NA
T-24A	A	10/12/2015	8.31	NS	NA
T-24A	A	10/10/2016	8.20	NS	NA
T-24A	A	10/9/2017	7.37	NS	NA
T-24A	A	10/8/2018	7.09	41.29	34.20
T-24A	A	10/8/2019	6.74	41.29	34.55
T-24A	A	10/12/2020	6.99	41.29	34.30
T-25A	A	9/4/2007	5.86	NS	NA
T-25A	A	10/8/2007	5.83	NS	NA
T-25A	A	10/12/2009	7.22	NS	NA
T-25A	A	4/5/2010	5.79	NS	NA
T-25A	A	10/11/2010	6.90	NS	NA
T-25A	A	5/2/2011	6.00	NS	NA
T-25A	A	10/10/2011	6.42	NS	NA
T-25A	A	4/26/2012	6.00	NS	NA
T-25A	A	10/8/2012	6.61	NS	NA
T-25A	A	5/20/2013	6.78	NS	NA
T-25A	A	10/14/2013	6.99	NS	NA
T-25A	A	4/14/2014	6.57	NS	NA
T-25A	A	10/13/2014	6.44	NS	NA
T-25A	A	6/26/2015	6.78	NS	NA
T-25A	A	10/12/2015	7.44	NS	NA
T-25A	A	5/26/2016	6.46	NS	NA
T-25A	A	10/10/2016	7.23	NS	NA
T-25A	A	10/9/2017	6.48	NS	NA
T-25A	A	10/8/2018	5.82	40.26	34.44
T-25A	A	10/8/2019	5.90	40.26	34.36
T-25A	A	10/12/2020	6.15	40.26	34.11
36-S	A	1/15/1986	7.50	39.21	31.71
36-S	A	3/12/1986	6.08	39.21	33.13
36-S	A	3/14/1986	5.94	39.21	33.27
36-S	A	4/21/1986	7.50	39.21	31.71
36-S	A	5/13/1986	6.51	39.21	32.70

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Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
36-S	A	7/24/1986	7.42	39.21	31.79
36-S	A	10/2/1987	8.55	39.21	30.66
36-S	A	11/30/1987	9.33	39.21	29.88
36-S	A	2/24/1988	9.54	39.21	29.67
36-S	A	4/12/1988	10.19	39.21	29.02
36-S	A	7/26/1988	10.47	39.21	28.74
36-S	A	10/25/1988	10.93	39.21	28.28
36-S	A	1/10/1989	11.14	39.03	27.89
36-S	A	4/3/1989	11.60	39.03	27.43
36-S	A	9/14/1989	10.79	39.03	28.24
36-S	A	10/10/1989	10.72	39.03	28.31
36-S	A	1/8/1990	10.87	39.03	28.16
36-S	A	4/6/1990	12.64	39.03	26.39
36-S	A	7/5/1990	13.67	39.03	25.36
36-S	A	10/9/1990	11.33	39.03	27.70
36-S	A	1/8/1991	Dry	39.03	NA
36-S	A	4/9/1991	13.08	39.03	25.95
36-S	A	7/9/1991	13.93	39.03	25.10
36-S	A	10/7/1991	14.23	39.03	24.80
36-S	A	1/6/1992	12.98	39.03	26.05
36-S	A	4/6/1992	9.36	39.03	29.67
36-S	A	7/6/1992	11.80	39.03	27.23
36-S	A	10/29/1992	11.81	39.03	27.22
36-S	A	1/5/1993	11.35	39.03	27.68
36-S	A	4/5/1993	9.66	39.03	29.37
36-S	A	7/6/1993	10.69	39.03	28.34
36-S	A	10/15/1993	11.40	39.03	27.63
36-S	A	1/11/1994	11.82	39.03	27.21
36-S	A	4/4/1994	11.48	39.03	27.55
36-S	A	7/6/1994	10.90	39.03	28.13
36-S	A	10/5/1994	9.37	39.03	29.66
36-S	A	1/10/1995	7.60	39.03	31.43
36-S	A	4/5/1995	7.59	39.03	31.44
36-S	A	7/5/1995	9.25	39.03	29.78
36-S	A	10/9/1995	9.02	39.03	30.01
36-S	A	7/10/1996	9.14	39.03	29.89
36-S	A	10/1/1996	9.40	39.03	29.63
36-S	A	4/1/1997	7.85	39.03	31.18
36-S	A	Oct-97+	8.50	38.62	30.12
36-S	A	4/1/1998	6.58	38.62	32.04
36-S	A	10/5/1998	7.39	38.62	31.23
36-S	A	4/5/1999	7.14	38.62	31.48
36-S	A	10/4/1999	7.70	38.62	30.92
36-S	A	10/2/2000	7.79	38.62	30.83
36-S	A	10/1/2001	7.47	38.62	31.15
36-S	A	10/14/2002	7.37	38.62	31.25
36-S	A	10/9/2003	6.60	38.62	32.02
36-S	A	10/4/2004	6.93	38.62	31.69
36-S	A	10/10/2005	6.20	38.62	32.42
36-S	A	10/16/2006	6.07	38.62	32.55
36-S	A	10/8/2007	5.92	41.46	35.54
36-S	A	10/13/2008	6.29	41.46	35.17
36-S	A	10/12/2009	6.83	41.46	34.63
36-S	A	10/11/2010	6.65	41.46	34.81
36-S	A	10/10/2011	6.25	41.46	35.21
36-S	A	10/8/2012	6.44	41.46	35.02
36-S	A	10/14/2013	DRY	41.46	NA
36-S	A	10/13/2014	6.59	41.46	34.87
36-S	A	10/12/2015	7.28	41.46	34.18
36-S	A	10/10/2016	6.94	41.46	34.52
36-S	A	10/9/2017	6.40	41.46	35.06
36-S	A	10/8/2018	5.92	41.44	35.52

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Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
36-S	A	10/8/2019	6.11	41.44	35.33
36-S	A	10/12/2020	6.15	41.44	35.29
36-D	A	1/15/1986	7.50	39.06	31.56
36-D	A	3/10/1986	NM	39.06	NA
36-D	A	3/12/1986	5.90	39.06	33.16
36-D	A	3/14/1986	5.82	39.06	33.24
36-D	A	3/17/1986	NM	39.06	NA
36-D	A	4/21/1986	NM	39.06	NA
36-D	A	4/22/1986	7.20	39.06	31.86
36-D	A	4/23/1986	NM	39.06	NA
36-D	A	5/13/1986	7.37	39.06	31.69
36-D	A	7/24/1986	7.32	39.06	31.74
36-D	A	10/2/1987	8.32	39.06	30.74
36-D	A	11/30/1987	9.08	39.06	29.98
36-D	A	2/24/1988	9.35	39.06	29.71
36-D	A	4/12/1988	9.96	39.06	29.10
36-D	A	7/26/1988	10.23	39.06	28.83
36-D	A	10/25/1988	10.74	39.06	28.32
36-D	A	1/10/1989	10.95	38.88	27.93
36-D	A	4/3/1989	11.35	38.88	27.53
36-D	A	9/14/1989	11.71	38.88	27.17
36-D	A	10/10/1989	11.68	38.88	27.20
36-D	A	1/8/1990	12.51	38.88	26.37
36-D	A	4/6/1990	13.55	38.88	25.33
36-D	A	7/5/1990	13.93	38.88	24.95
36-D	A	10/9/1990	13.26	38.88	25.62
36-D	A	1/8/1991	14.83	38.88	24.05
36-D	A	4/9/1991	13.66	38.88	25.22
36-D	A	7/9/1991	14.28	38.88	24.60
36-D	A	10/7/1991	14.51	38.88	24.37
36-D	A	1/6/1992	14.37	38.88	24.51
36-D	A	4/6/1992	10.68	38.88	28.20
36-D	A	7/6/1992	12.52	38.88	26.36
36-D	A	10/5/1992	11.40	38.88	27.48
36-D	A	1/5/1993	11.67	38.88	27.21
36-D	A	4/5/1993	11.00	38.88	27.88
36-D	A	7/6/1993	10.60	38.88	28.28
36-D	A	10/15/1993	11.26	38.88	27.62
36-D	A	1/11/1994	11.62	38.88	27.26
36-D	A	4/4/1994	11.26	38.88	27.62
36-D	A	7/6/1994	10.76	38.88	28.12
36-D	A	10/5/1994	9.02	38.88	29.86
36-D	A	1/10/1995	7.57	38.88	31.31
36-D	A	4/5/1995	7.41	38.88	31.47
36-D	A	7/5/1995	9.03	38.88	29.85
36-D	A	10/9/1995	8.71	38.88	30.17
36-D	A	7/10/1996	8.89	38.88	29.99
36-D	A	10/1/1996	9.16	38.88	29.72
36-D	A	4/1/1997	7.61	38.88	31.27
36-D	A	Oct-97+	8.20	38.40	30.20
36-D	A	4/1/1998	6.38	38.40	32.02
36-D	A	10/5/1998	7.19	38.40	31.21
36-D	A	4/5/1999	7.17	38.40	31.23
36-D	A	10/4/1999	7.43	38.40	30.97
36-D	A	10/2/2000	7.52	38.40	30.88
36-D	A	10/1/2001	7.24	38.40	31.16
36-D	A	10/14/2002	7.12	38.40	31.28
36-D	A	10/9/2003	6.40	38.40	32.00
36-D	A	10/4/2004	6.72	38.40	31.68
36-D	A	10/10/2005	5.96	38.40	32.44
36-D	A	10/16/2006	5.82	38.40	32.58
36-D	A	10/8/2007	5.67	41.26	35.59

Appendix B
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Former TRW Microwave Facility - 825 Stewart Drive, Sunnyvale, California

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
36-D	A	10/13/2008	6.02	41.26	35.24
36-D	A	10/12/2009	6.61	41.26	34.65
36-D	A	10/11/2010	6.43	41.26	34.83
36-D	A	10/10/2011	6.03	41.26	35.23
36-D	A	10/8/2012	6.20	41.26	35.06
36-D	A	10/14/2013	6.44	41.26	34.82
36-D	A	10/13/2014	6.34	41.26	34.92
36-D	A	10/12/2015	7.04	41.26	34.22
36-D	A	10/10/2016	6.92	41.26	34.34
36-D	A	10/9/2017	6.18	41.26	35.08
36-D	A	10/8/2018	5.71	41.26	35.55
36-D	A	10/8/2019	5.84	41.20	35.36
36D	A	10/12/2020	5.91	41.20	35.29
37-S	A	1/15/1986	8.20	40.19	31.99
37-S	A	3/12/1986	6.42	40.19	33.77
37-S	A	3/14/1986	6.44	40.19	33.75
37-S	A	5/13/1986	8.54	40.19	31.65
37-S	A	7/24/1986	8.53	40.19	31.66
37-S	A	10/2/1987	8.53	40.19	31.66
37-S	A	11/30/1987	10.64	40.19	29.55
37-S	A	2/24/1988	10.65	40.19	29.54
37-S	A	4/12/1988	11.24	40.19	28.95
37-S	A	7/26/1988	11.92	40.19	28.27
37-S	A	10/25/1988	12.03	40.19	28.16
37-S	A	1/10/1989	12.47	39.70	27.23
37-S	A	4/3/1989	13.00	39.70	26.70
37-S	A	9/14/1989	11.73	39.70	27.97
37-S	A	10/10/1989	12.20	39.70	27.50
37-S	A	1/8/1990	Dry	39.70	NA
37-S	A	4/6/1990	Dry	39.70	NA
37-S	A	7/5/1990	Dry	39.70	NA
37-S	A	10/9/1990	Dry	39.70	NA
37-S	A	1/8/1991	Dry	39.70	NA
37-S	A	4/9/1991	Dry	39.70	NA
37-S	A	7/9/1991	Dry	39.70	NA
37-S	A	10/7/1991	Dry	39.70	NA
37-S	A	1/6/1992	Dry	39.70	NA
37-S	A	4/6/1992	Dry	39.70	NA
37-S	A	7/6/1992	Dry	39.70	NA
37-S	A	10/29/1992	Dry	39.70	NA
37-S	A	1/5/1993	Dry	39.70	NA
37-S	A	4/5/1993	9.80	39.70	29.90
37-S	A	7/6/1993	12.01	39.70	27.69
37-S	A	10/15/1993	11.72	39.70	27.98
37-S	A	1/11/1994	12.73	39.70	26.97
37-S	A	4/4/1994	12.46	39.70	27.24
37-S	A	7/6/1994	11.81	39.70	27.89
37-S	A	10/5/1994	10.69	39.70	29.01
37-S	A	1/10/1995	10.56	39.70	29.14
37-S	A	4/5/1995	8.34	39.70	31.36
37-S	A	7/5/1995	9.85	39.70	29.85
37-S	A	10/9/1995	9.86	39.70	29.84
37-S	A	7/10/1996	9.25	39.70	30.45
37-S	A	10/1/1996	9.67	39.70	30.03
37-S	A	4/1/1997	8.29	39.70	31.41
37-S	A	10/1/1997	9.20	39.24	30.04
37-S	A	4/1/1998	7.38	39.24	31.86
37-S	A	10/5/1998	8.42	39.24	30.82
37-S	A	4/5/1999	8.33	39.24	32.10
37-S	A	10/4/1999	8.36	39.24	31.54
37-S	A	10/2/2000	8.49	39.24	30.75
37-S	A	10/1/2001	8.40	39.24	30.84

Appendix B
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Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
37-S	A	10/14/2002	8.23	39.79	31.56
37-S	A	10/9/2003	7.38	39.79	32.41
37-S	A	10/4/2004	7.82	39.79	31.97
37-S	A	10/10/2005	6.21	39.79	33.58
37-S	A	10/16/2006	5.95	39.79	33.84
37-S	A	10/8/2007	5.60	42.06	36.46
37-S	A	10/13/2008	6.20	42.06	35.86
37-S	A	10/12/2009	7.30	42.06	34.76
37-S	A	10/11/2010	6.92	42.06	35.14
37-S	A	10/10/2011	6.43	42.06	35.63
37-S	A	10/8/2012	6.56	42.06	35.50
37-S	A	10/14/2013	7.01	42.06	35.05
37-S	A	10/13/2014	6.79	42.06	35.27
37-S	A	10/12/2015	7.71	42.06	34.35
37-S	A	10/10/2016	7.58	42.06	34.48
37-S	A	10/9/2017	6.70	42.06	35.36
37-S	A	10/8/2018	6.10	42.01	35.91
37-S	A	10/8/2019	6.23	41.01	34.78
37S	A	10/12/2020	6.36	41.01	34.65
38-S	A	1/15/1986	8.80	39.14	30.34
38-S	A	3/14/1986	7.34	39.14	31.80
38-S	A	5/13/1986	9.95	39.14	29.19
38-S	A	7/24/1986	10.52	39.14	28.62
38-S	A	10/2/1987	11.49	39.14	27.65
38-S	A	11/30/1987	12.68	39.14	26.46
38-S	A	2/24/1988	12.55	39.14	26.59
38-S	A	4/12/1988	12.68	39.14	26.46
38-S	A	7/26/1988	13.12	39.14	26.02
38-S	A	10/25/1988	13.62	39.14	25.52
38-S	A	1/10/1989	13.68	38.85	25.17
38-S	A	4/3/1989	13.97	38.85	24.88
38-S	A	9/14/1989	14.53	38.85	24.32
38-S	A	10/10/1989	14.32	38.85	24.53
38-S	A	1/8/1990	Dry	38.85	NA
38-S	A	4/6/1990	Dry	38.85	NA
38-S	A	7/5/1990	Dry	38.85	NA
38-S	A	10/9/1990	Dry	38.85	NA
38-S	A	1/8/1991	Dry	38.85	NA
38-S	A	4/9/1991	Dry	38.85	NA
38-S	A	7/9/1991	Dry	38.85	NA
38-S	A	10/7/1991	Dry	38.85	NA
38-S	A	1/6/1992	Dry	38.85	NA
38-S	A	4/6/1992	Dry	38.85	NA
38-S	A	7/6/1992	Dry	38.85	NA
38-S	A	10/29/1992	Dry	38.85	NA
38-S	A	1/5/1993	13.97	38.85	24.88
38-S	A	4/5/1993	13.08	38.85	25.77
38-S	A	7/6/1993	14.30	38.85	24.55
38-S	A	10/15/1993	Dry	38.85	NA
38-S	A	1/11/1994	14.45	38.85	24.40
38-S	A	4/4/1994	14.19	38.85	24.66
38-S	A	7/6/1994	13.70	38.85	25.15
38-S	A	10/5/1994	9.81	38.85	29.04
38-S	A	1/10/1995	11.36	38.85	27.49
38-S	A	4/5/1995	9.50	38.85	29.35
38-S	A	7/5/1995	11.62	38.85	27.23
38-S	A	10/9/1995	12.12	38.85	26.73
38-S	A	7/10/1996	11.74	38.85	27.11
38-S	A	10/1/1996	11.91	38.85	26.94
38-S	A	4/1/1997	10.45	38.85	28.40
38-S	A	10/1/1997	11.63	38.35	26.72
38-S	A	4/1/1998	9.15	38.35	29.20

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
38-S	A	10/5/1998	10.81	38.35	27.54
38-S	A	4/5/1999	10.72	38.35	27.63
38-S	A	10/4/1999	10.50	38.35	27.85
38-S	A	10/2/2000	11.21	38.35	27.14
38-S	A	10/1/2001	10.05	38.35	28.30
38-S	A	10/14/2002	9.57	38.35	28.78
38-S	A	10/9/2003	8.63	38.35	29.72
38-S	A	10/4/2004	9.12	38.35	29.23
38-S	A	10/10/2005	7.57	38.35	30.78
38-S	A	10/16/2006	7.56	38.35	30.79
38-S	A	10/8/2007	7.07	41.05	33.98
38-S	A	10/13/2008	7.71	41.05	33.34
38-S	A	10/12/2009	9.02	41.05	32.03
38-S	A	10/11/2010	8.55	41.05	32.50
38-S	A	10/10/2011	8.05	41.05	33.00
38-S	A	4/26/2012	7.59	41.05	33.46
38-S	A	10/8/2012	8.25	41.05	32.80
38-S	A	5/20/2013	8.65	41.05	32.40
38-S	A	10/14/2013	8.64	41.05	32.41
38-S	A	10/13/2014	7.86	41.05	33.19
38-S	A	10/12/2015	8.97	41.05	32.08
38-S	A	10/10/2016	8.79	41.05	32.26
38-S	A	10/9/2017	7.92	41.05	33.13
38-S	A	10/8/2018	7.35	41.13	33.78
38-S	A	10/8/2019	7.29	41.13	33.84
38-S	A	10/12/2020	7.70	41.13	33.43
Eductor	A	5/13/1986	11.59	40.28	28.69
Eductor	A	10/2/1987	11.50	40.28	28.78
Eductor	A	11/30/1987	NM	40.28	NA
Eductor	A	2/24/1988	12.74	40.28	27.54
Eductor	A	4/12/1988	12.95	40.28	27.33
Eductor	A	7/26/1988	13.30	40.28	26.98
Eductor	A	10/25/1988	12.33	40.28	27.95
Eductor	A	1/10/1989	10.59	40.28	29.69
Eductor	A	4/3/1989	11.63	40.28	28.65
Eductor	A	9/14/1989	11.55	40.28	28.73
Eductor	A	10/10/1989	12.40	40.28	27.88
Eductor	A	1/8/1990	12.07	40.28	28.21
Eductor	A	4/6/1990	11.89	40.28	28.39
Eductor	A	7/5/1990	11.72	40.28	28.56
Eductor	A	10/9/1990	12.76	40.28	27.52
Eductor	A	1/8/1991	12.66	40.28	27.62
Eductor	A	4/9/1991	14.99	40.28	25.29
Eductor	A	7/9/1991	16.04	40.28	24.24
Eductor	A	10/7/1991	16.72	40.28	23.56
Eductor	A	1/6/1992	15.25	40.28	25.03
Eductor	A	4/6/1992	15.13	40.28	25.15
Eductor	A	7/6/1992	15.60	40.28	24.68
Eductor	A	10/29/1992	13.92	40.28	26.36
Eductor	A	1/5/1993	15.54	40.28	24.74
Eductor	A	4/5/1993	15.08	40.28	25.20
Eductor	A	7/6/1993	16.37	40.28	23.91
Eductor	A	10/15/1993	16.54	40.28	23.74
Eductor	A	1/11/1994	16.50	40.28	23.78
Eductor	A	4/4/1994	16.56	40.28	23.72
Eductor	A	7/6/1994	16.35	40.28	23.93
Eductor	A	10/5/1994	16.24	40.28	24.04
Eductor	A	1/10/1995	15.98	40.28	24.30
Eductor	A	4/5/1995	16.11	40.28	24.17
Eductor	A	7/5/1995	16.08	40.28	24.20
Eductor	A	10/9/1995	16.25	40.28	24.03
Eductor	A	7/10/1996	16.37	40.28	23.91

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Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
Eductor	A	10/1/1996	NM	40.28	NA
Eductor	A	4/1/1997	15.90	40.28	24.38
Eductor	A	10/1/1997	16.22	41.07	24.85
Eductor	A	4/1/1998	16.09	41.07	24.98
Eductor	A	10/5/1998	11.87	41.07	29.20
Eductor	A	4/5/1999	16.08	41.07	24.99
Eductor	A	10/4/1999	15.97	41.07	25.10
Eductor	A	10/2/2000	16.31	41.07	24.76
Eductor	A	10/1/2001	11.27	41.07	29.80
Eductor	A	10/1/2002	9.36	39.54	30.18
Eductor	A	10/9/2003	8.57	39.54	30.97
Eductor	A	10/4/2004	9.03	39.54	30.51
Eductor	A	10/10/2005	7.89	39.54	31.65
Eductor	A	10/16/2006	7.78	39.54	31.76
Eductor	A	10/8/2007	7.50	42.24	34.74
Eductor	A	10/13/2008	7.88	42.24	34.36
Eductor	A	10/12/2009	8.81	42.24	33.43
Eductor	A	10/11/2010	8.48	42.24	33.76
Eductor	A	11/15/2010	8.15	42.24	34.09
Eductor	A	3/8/2011	7.75	42.24	34.49
Eductor	A	5/3/2011	7.54	42.24	34.70
Eductor	A	10/10/2011	8.39	42.24	33.85
Eductor	A	4/27/2012	7.69	42.24	34.55
Eductor	A	10/8/2012	8.08	42.24	34.16
Eductor	A	10/17/2012	8.76	42.24	33.48
Eductor	A	10/14/2013	8.45*	42.24	33.79
Eductor	A	4/14/2014	7.89	42.24	34.35
Eductor	A	9/24/2014	8.20	42.24	34.04
Eductor	A	Per USEPA approval, the Eductor was destroyed.			
T-1B	B1	1/16/1986	7.70	37.40	29.70
T-1B	B1	3/12/1986	6.29	37.40	31.11
T-1B	B1	3/14/1986	7.47	37.40	29.93
T-1B	B1	4/21/1986	9.40	37.40	28.00
T-1B	B1	5/13/1986	8.23	37.40	29.17
T-1B	B1	7/24/1986	9.75	37.40	27.65
T-1B	B1	10/2/1987	10.45	37.40	26.95
T-1B	B1	11/30/1987	12.70	37.40	24.70
T-1B	B1	2/24/1988	12.86	37.40	24.54
T-1B	B1	4/12/1988	14.03	37.40	23.37
T-1B	B1	7/26/1988	15.21	37.40	22.19
T-1B	B1	10/25/1988	15.90	37.40	21.50
T-1B	B1	1/10/1989	15.46	39.68	24.22
T-1B	B1	4/3/1989	18.95	39.68	20.73
T-1B	B1	9/14/1989	18.23	39.68	21.45
T-1B	B1	10/10/1989	18.49	39.68	21.19
T-1B	B1	1/8/1990	20.54	39.68	19.14
T-1B	B1	4/6/1990	19.38	39.68	20.30
T-1B	B1	7/5/1990	19.92	39.68	19.76
T-1B	B1	10/9/1990	21.07	39.68	18.61
T-1B	B1	1/8/1991	21.60	39.68	18.08
T-1B	B1	4/9/1991	20.54	39.68	19.14
T-1B	B1	7/12/1991	21.05	39.68	18.63
T-1B	B1	10/7/1991	21.78	39.68	17.90
T-1B	B1	1/6/1992	20.94	39.68	18.74
T-1B	B1	4/6/1992	19.53	39.68	20.15
T-1B	B1	7/6/1992	20.38	39.68	19.30
T-1B	B1	10/5/1992	18.86	39.68	20.82
T-1B	B1	1/5/1993	20.28	39.68	19.40
T-1B	B1	4/5/1993	18.52	39.68	21.16
T-1B	B1	7/6/1993	19.64	39.68	20.04
T-1B	B1	10/15/1993	13.34	39.68	26.34
T-1B	B1	1/11/1994	16.93	39.68	22.75

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Former TRW Microwave Facility - 825 Stewart Drive, Sunnyvale, California

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-1B	B1	4/4/1994	15.01	39.68	24.67
T-1B	B1	7/6/1994	13.47	39.68	26.21
T-1B	B1	10/5/1994	12.80	39.68	26.88
T-1B	B1	1/10/1995	12.60	39.68	27.08
T-1B	B1	4/5/1995	10.95	39.68	28.73
T-1B	B1	7/5/1995	13.86	39.68	25.82
T-1B	B1	10/9/1995	12.84	39.68	26.84
T-1B	B1	7/10/1996	13.97	39.68	25.71
T-1B	B1	10/1/1996	14.51	39.68	25.17
T-1B	B1	4/1/1997	11.88	39.53	27.65
T-1B	B1	10/1/1997	12.90	39.02	26.12
T-1B	B1	4/1/1998	10.56	39.02	28.46
T-1B	B1	10/5/1998	11.66	39.02	27.36
T-1B	B1	4/5/1999	11.87	39.02	27.15
T-1B	B1	10/4/1999	11.46	39.02	27.56
T-1B	B1	10/2/2000	13.09	39.02	25.93
T-1B	B1	10/1/2001	11.54	39.02	27.48
T-1B	B1	10/14/2002	10.99	39.02	28.03
T-1B	B1	10/9/2003	9.31	39.02	29.71
T-1B	B1	Per Water Board approval, well T-1B was abandoned in February 2004.			
T-2B	B1	3/14/1986	9.19	39.69	30.50
T-2B	B1	5/13/1986	26.24	39.69	13.45
T-2B	B1	7/24/1986	19.23	39.69	20.46
T-2B	B1	10/2/1987	20.46	39.69	19.23
T-2B	B1	11/30/1987	25.89	39.69	13.80
T-2B	B1	2/24/1988	26.00	39.69	13.69
T-2B	B1	4/12/1988	24.56	39.69	15.13
T-2B	B1	7/26/1988	23.00	39.69	16.69
T-2B	B1	10/25/1988	26.29	39.69	13.40
T-2B	B1	1/10/1989	26.07	39.67	13.60
T-2B	B1	4/3/1989	23.84	39.67	15.83
T-2B	B1	9/14/1989	23.42	39.67	16.25
T-2B	B1	10/10/1989	23.53	39.67	16.14
T-2B	B1	1/8/1990	22.99	39.67	16.68
T-2B	B1	4/6/1990	24.96	39.67	14.71
T-2B	B1	7/5/1990	29.13	39.67	10.54
T-2B	B1	10/9/1990	23.96	39.67	15.71
T-2B	B1	1/8/1991	24.32	39.67	15.35
T-2B	B1	4/9/1991	24.75	39.67	14.92
T-2B	B1	7/12/1991	24.67	39.67	15.00
T-2B	B1	10/7/1991	29.98	39.67	9.69
T-2B	B1	1/6/1992	16.95	39.67	22.72
T-2B	B1	4/6/1992	27.36	39.67	12.31
T-2B	B1	7/6/1992	15.70	39.67	23.97
T-2B	B1	10/5/1992	26.35	39.67	13.32
T-2B	B1	1/5/1993	24.65	39.67	15.02
T-2B	B1	4/5/1993	24.94	39.67	14.73
T-2B	B1	7/6/1993	26.50	39.67	13.17
T-2B	B1	10/15/1993	22.98	39.67	16.69
T-2B	B1	1/11/1994	21.31	39.67	18.36
T-2B	B1	4/4/1994	26.18	39.67	13.49
T-2B	B1	7/6/1994	21.36	39.67	18.31
T-2B	B1	10/5/1994	25.32	39.67	14.35
T-2B	B1	1/10/1995	26.98	39.67	12.69
T-2B	B1	4/5/1995	10.75	39.67	28.92
T-2B	B1	7/5/1995	22.58	39.67	17.09
T-2B	B1	10/9/1995	25.44	39.67	14.23
T-2B	B1	7/10/1996	23.00	39.67	16.67
T-2B	B1	10/1/1996	14.08	39.67	25.59
T-2B	B1	4/1/1997	26.15	39.67	13.52
T-2B	B1	10/1/1997	NM	39.24	NA
T-2B	B1	4/1/1998	25.58	39.24	13.66

Appendix B
Historical Water-Level Elevation Measurements
Former TRW Microwave Facility - 825 Stewart Drive, Sunnyvale, California

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-2B	B1	10/5/1998	11.89	39.24	27.35
T-2B	B1	4/5/1999	Dry	39.24	NA
T-2B	B1	10/4/1999	25.48	39.24	13.76
T-2B	B1	10/2/2000	10.76	39.24	28.48
T-2B	B1	10/1/2001	9.76	39.24	29.48
T-2B	B1	10/1/2002	9.79	39.53	29.74
T-2B	B1	10/9/2003	8.56	39.53	30.97
T-2B	B1	10/4/2004	9.04	39.53	30.49
T-2B	B1	10/10/2005	7.71	39.53	31.82
T-2B	B1	10/16/2006	7.57	39.53	31.96
T-2B	B1	10/8/2007	7.29	42.23	34.94
T-2B	B1	10/13/2008	8.05	42.23	34.18
T-2B	B1	10/12/2009	8.82	42.23	33.41
T-2B	B1	10/11/2010	8.41	42.23	33.82
T-2B	B1	11/15/2010	8.11	42.23	34.12
T-2B	B1	3/8/2011	7.33	42.23	34.90
T-2B	B1	5/3/2011	7.44	42.23	34.79
T-2B	B1	10/10/2011	7.89	42.23	34.34
T-2B	B1	4/26/2012	7.37	42.23	34.86
T-2B	B1	10/8/2012	8.08	42.23	34.15
T-2B	B1	5/22/2013	8.19	42.23	34.04
T-2B	B1	10/14/2013	8.36	42.23	33.87
T-2B	B1	4/14/2014	7.91	42.23	34.32
T-2B	B1	9/24/2014	8.18	42.23	34.05
T-2B	B1	Per USEPA approval, well T-2B was destroyed.			
T-4B	B1	1/16/1986	9.30	38.96	29.66
T-4B	B1	3/14/1986	12.96	38.96	26.00
T-4B	B1	4/21/1986	15.60	38.96	23.36
T-4B	B1	5/13/1986	11.51	38.96	27.45
T-4B	B1	7/24/1986	15.88	38.96	23.08
T-4B	B1	10/2/1987	15.32	38.96	23.64
T-4B	B1	11/30/1987	19.59	38.96	19.37
T-4B	B1	2/24/1988	18.67	38.96	20.29
T-4B	B1	4/12/1988	19.63	38.96	19.33
T-4B	B1	7/26/1988	19.87	38.96	19.09
T-4B	B1	10/25/1988	20.98	38.96	17.98
T-4B	B1	1/10/1989	20.75	38.70	17.95
T-4B	B1	4/3/1989	20.95	38.70	17.75
T-4B	B1	9/14/1989	19.64	38.70	19.06
T-4B	B1	10/10/1989	19.50	38.70	19.20
T-4B	B1	1/8/1990	21.53	38.70	17.17
T-4B	B1	4/6/1990	20.47	38.70	18.23
T-4B	B1	7/5/1990	NA	38.70	NM
T-4B	B1	10/9/1990	22.95	38.70	15.75
T-4B	B1	1/8/1991	23.04	38.70	15.66
T-4B	B1	4/9/1991	22.69	38.70	16.01
T-4B	B1	7/9/1991	23.36	38.70	15.34
T-4B	B1	10/7/1991	24.44	38.70	14.26
T-4B	B1	1/6/1992	22.57	38.70	16.13
T-4B	B1	4/6/1992	21.83	38.70	16.87
T-4B	B1	7/6/1992	22.19	38.70	16.51
T-4B	B1	10/5/1992	20.42	38.70	18.28
T-4B	B1	1/5/1993	22.31	38.70	16.39
T-4B	B1	4/5/1993	21.46	38.70	17.24
T-4B	B1	7/6/1993	22.40	38.70	16.30
T-4B	B1	10/15/1993	19.84	38.70	18.86
T-4B	B1	1/11/1994	22.61	38.70	16.09
T-4B	B1	4/4/1994	22.16	38.70	16.54
T-4B	B1	7/6/1994	20.57	38.70	18.13
T-4B	B1	10/5/1994	17.33	38.70	21.37
T-4B	B1	1/10/1995	16.87	38.70	21.83
T-4B	B1	4/5/1995	14.26	38.70	24.44

Appendix B
Historical Water-Level Elevation Measurements
Former TRW Microwave Facility - 825 Stewart Drive, Sunnyvale, California

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-4B	B1	7/5/1995	16.33	38.70	22.37
T-4B	B1	10/9/1995	16.75	38.70	21.95
T-4B	B1	7/10/1996	16.78	38.70	21.92
T-4B	B1	10/1/1996	18.70	38.70	20.00
T-4B	B1	4/1/1997	15.63	38.70	23.07
T-4B	B1	10/1/1997	15.89	38.23	22.34
T-4B	B1	4/1/1998	12.93	38.23	25.30
T-4B	B1	10/5/1998	13.89	38.23	24.34
T-4B	B1	4/5/1999	16.11	38.23	22.12
T-4B	B1	10/4/1999	14.07	38.23	24.16
T-4B	B1	10/2/2000	16.43	38.23	21.80
T-4B	B1	10/1/2001	13.36	38.23	24.87
T-4B	B1	10/14/2002	12.39	38.23	25.84
T-4B	B1	10/9/2003	11.00	38.23	27.23
T-4B	B1	10/4/2004	10.91	38.23	27.32
T-4B	B1	10/10/2005	8.32	38.23	29.91
T-4B	B1	10/16/2006	8.07	38.23	30.16
T-4B	B1	10/8/2007	7.60	40.93	33.33
T-4B	B1	10/13/2008	8.98	40.93	31.95
T-4B	B1	10/12/2009	10.71	40.93	30.22
T-4B	B1	10/11/2010	9.86	40.93	31.07
T-4B	B1	10/10/2011	9.16	40.93	31.77
T-4B	B1	10/8/2012	9.38	40.93	31.55
T-4B	B1	10/14/2013	9.71	40.93	31.22
T-4B	B1	10/13/2014	9.00	40.93	31.93
T-4B	B1	6/26/2015	9.39	40.93	31.54
T-4B	B1	10/12/2015	10.10	40.93	30.83
T-4B	B1	5/26/2016	9.00	40.93	31.93
T-4B	B1	10/10/2016	9.47	40.93	31.46
T-4B	B1	10/9/2017	8.51	40.93	32.42
T-4B	B1	10/8/2018	7.79	40.98	33.19
T-4B	B1	10/8/2019	8.00	40.98	32.98
T-4B	B1	10/12/2020	8.48	40.98	32.50
T-5B	B1	1/16/1986	10.00	40.67	30.67
T-5B	B1	3/14/1986	10.37	40.67	30.30
T-5B	B1	4/23/1986	11.20	40.67	29.47
T-5B	B1	5/13/1986	10.11	40.67	30.56
T-5B	B1	7/24/1986	10.86	40.67	29.81
T-5B	B1	10/2/1987	15.75	40.67	24.92
T-5B	B1	11/30/1987	17.12	40.67	23.55
T-5B	B1	2/24/1988	16.62	40.67	24.05
T-5B	B1	4/12/1988	19.20	40.67	21.47
T-5B	B1	7/26/1988	18.63	40.67	22.04
T-5B	B1	10/25/1988	20.71	40.67	19.96
T-5B	B1	1/10/1989	20.80	39.67	18.87
T-5B	B1	4/3/1989	20.55	39.67	19.12
T-5B	B1	9/14/1989	21.12	39.67	18.55
T-5B	B1	10/10/1989	21.03	39.67	18.64
T-5B	B1	1/8/1990	21.85	39.67	17.82
T-5B	B1	4/6/1990	22.92	39.67	16.75
T-5B	B1	7/5/1990	23.06	39.67	16.61
T-5B	B1	10/9/1990	22.87	39.67	16.80
T-5B	B1	1/8/1991	23.27	39.67	16.40
T-5B	B1	4/9/1991	22.81	39.67	16.86
T-5B	B1	7/12/1991	23.00	39.67	16.67
T-5B	B1	10/7/1991	23.79	39.67	15.88
T-5B	B1	1/6/1992	23.07	39.67	16.60
T-5B	B1	4/6/1992	20.59	39.67	19.08
T-5B	B1	7/6/1992	20.80	39.67	18.87
T-5B	B1	10/5/1992	17.55	39.67	22.12
T-5B	B1	1/5/1993	19.04	39.67	20.63
T-5B	B1	4/5/1993	21.24	39.67	18.43

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-5B	B1	7/6/1993	21.08	39.67	18.59
T-5B	B1	10/15/1993	20.65	39.67	19.02
T-5B	B1	1/11/1994	22.15	39.67	17.52
T-5B	B1	4/4/1994	21.13	39.67	18.54
T-5B	B1	7/6/1994	20.93	39.67	18.74
T-5B	B1	10/5/1994	18.77	39.67	20.90
T-5B	B1	1/10/1995	18.75	39.67	20.92
T-5B	B1	4/5/1995	17.70	39.67	21.97
T-5B	B1	7/5/1995	18.75	39.67	20.92
T-5B	B1	10/9/1995	18.24	39.67	21.43
T-5B	B1	7/10/1996	20.65	39.67	19.02
T-5B	B1	10/1/1996	20.60	39.67	19.07
T-5B	B1	4/1/1997	17.28	39.67	22.39
T-5B	B1	10/1/1997	17.32	39.21	21.89
T-5B	B1	4/1/1998	15.45	39.21	23.76
T-5B	B1	10/5/1998	17.77	39.21	21.44
T-5B	B1	4/5/1999	19.38	39.21	19.83
T-5B	B1	10/4/1999	10.46	39.21	28.75
T-5B	B1	10/2/2000	19.25	39.21	19.96
T-5B	B1	10/1/2001	14.99	39.21	24.22
T-5B	B1	10/14/2002	15.43	39.75	24.32
T-5B	B1	10/9/2003	13.95	39.75	25.80
T-5B	B1	10/4/2004	13.70	39.75	26.05
T-5B	B1	10/10/2005	6.17	39.75	33.58
T-5B	B1	10/16/2006	5.31	39.75	34.44
T-5B	B1	10/8/2007	4.99	42.45	37.46
T-5B	B1	10/13/2008	15.72	42.45	26.73
T-5B	B1	10/12/2009	14.55	42.45	27.90
T-5B	B1	10/11/2010	10.45	42.45	32.00
T-5B	B1	10/10/2011	10.04	42.45	32.41
T-5B	B1	10/8/2012	10.33	42.45	32.12
T-5B	B1	10/14/2013	9.99	42.45	32.46
T-5B	B1	10/13/2014	9.62	42.45	32.83
T-5B	B1	10/12/2015	10.06	42.45	32.39
T-5B	B1	10/10/2016	9.44	42.45	33.01
T-5B	B1	10/9/2017	8.41	41.95	33.54
T-5B	B1	10/8/2018	7.63	41.95	34.32
T-5B	B1	10/8/2019	8.41	41.95	33.54
T-5B	B1	10/12/2020	9.27	41.95	32.68
T-7B	B1	1/16/1986	9.70	39.43	29.73
T-7B	B1	3/12/1986	8.16	39.43	31.27
T-7B	B1	3/14/1986	9.90	39.43	29.53
T-7B	B1	4/22/1986	11.00	39.43	28.43
T-7B	B1	5/13/1986	9.65	39.43	29.78
T-7B	B1	7/24/1986	10.75	39.43	28.68
T-7B	B1	10/2/1987	13.98	39.43	25.45
T-7B	B1	11/30/1987	15.75	39.43	23.68
T-7B	B1	2/24/1988	15.21	39.43	24.22
T-7B	B1	4/12/1988	16.83	39.43	22.60
T-7B	B1	7/26/1988	16.37	39.43	23.06
T-7B	B1	10/25/1988	18.16	39.43	21.27
T-7B	B1	1/10/1989	17.82	39.44	21.62
T-7B	B1	4/3/1989	16.99	39.44	22.45
T-7B	B1	9/14/1989	19.35	39.44	20.09
T-7B	B1	10/10/1989	19.60	39.44	19.84
T-7B	B1	1/8/1990	20.56	39.44	18.88
T-7B	B1	4/6/1990	20.37	39.44	19.07
T-7B	B1	7/5/1990	21.16	39.44	18.28
T-7B	B1	10/9/1990	20.79	39.44	18.65
T-7B	B1	1/8/1991	21.01	39.44	18.43
T-7B	B1	4/9/1991	20.48	39.44	18.96
T-7B	B1	7/12/1991	20.77	39.44	18.67

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Former TRW Microwave Facility - 825 Stewart Drive, Sunnyvale, California

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-7B	B1	10/7/1991	21.77	39.44	17.67
T-7B	B1	1/6/1992	20.98	39.44	18.46
T-7B	B1	4/6/1992	17.20	39.44	22.24
T-7B	B1	7/6/1992	17.63	39.44	21.81
T-7B	B1	10/5/1992	16.52	39.44	22.92
T-7B	B1	1/5/1993	19.15	39.44	20.29
T-7B	B1	4/5/1993	18.53	39.44	20.91
T-7B	B1	7/6/1993	17.95	39.44	21.49
T-7B	B1	10/15/1993	16.60	39.44	22.84
T-7B	B1	1/11/1994	19.20	39.44	20.24
T-7B	B1	4/4/1994	17.90	39.44	21.54
T-7B	B1	7/6/1994	17.76	39.44	21.68
T-7B	B1	10/5/1994	15.67	39.44	23.77
T-7B	B1	1/10/1995	15.45	39.44	23.99
T-7B	B1	4/5/1995	13.99	39.44	25.45
T-7B	B1	7/5/1995	15.71	39.44	23.73
T-7B	B1	10/9/1995	14.50	39.44	24.94
T-7B	B1	7/10/1996	16.35	39.44	23.09
T-7B	B1	10/1/1996	16.68	39.44	22.76
T-7B	B1	4/1/1997	14.22	39.44	25.22
T-7B	B1	10/1/1997	14.34	38.87	24.53
T-7B	B1	4/1/1998	12.54	38.87	26.33
T-7B	B1	10/5/1998	13.62	38.87	25.25
T-7B	B1	4/5/1999	14.74	38.87	24.13
T-7B	B1	10/4/1999	11.31	38.87	27.56
T-7B	B1	10/2/2000	14.68	38.87	24.19
T-7B	B1	10/1/2001	12.67	38.87	26.20
T-7B	B1	10/14/2002	12.24	39.31	27.07
T-7B	B1	10/9/2003	8.62	39.31	30.69
T-7B	B1	10/4/2004	9.35	39.31	29.96
T-7B	B1	10/10/2005	5.61	39.31	33.70
T-7B	B1	10/16/2006	5.14	39.31	34.17
T-7B	B1	10/8/2007	4.93	42.01	37.08
T-7B	B1	10/13/2008	8.76	42.01	33.25
T-7B	B1	10/12/2009	8.47	42.01	33.54
T-7B	B1	10/11/2010	7.94	42.01	35.00
T-7B	B1	10/10/2011	6.39	42.01	35.62
T-7B	B1	10/8/2012	6.55	42.01	35.46
T-7B	B1	10/14/2013	6.73	42.01	35.28
T-7B	B1	10/13/2014	6.64	42.01	35.37
T-7B	B1	6/26/2015	6.91	42.01	35.10
T-7B	B1	10/12/2015	7.57	42.01	34.44
T-7B	B1	5/26/2016	6.41	42.01	35.60
T-7B	B1	10/10/2016	6.92	42.01	35.09
T-7B	B1	10/9/2017	5.61	42.01	36.40
T-7B	B1	10/8/2018	4.97	41.75	36.78
T-7B	B1	10/8/2019	5.19	41.75	36.56
T-7B	B1	10/12/2020	5.57	41.75	36.18
T-8B	B1	3/10/1986	6.41	38.34	31.93
T-8B	B1	3/17/1986	24.30	38.34	14.04
T-8B	B1	5/13/1986	23.50	38.34	14.84
T-8B	B1	7/24/1986	10.24	38.34	28.10
T-8B	B1	10/2/1987	21.02	38.34	17.32
T-8B	B1	11/30/1987	11.15	38.34	27.19
T-8B	B1	2/24/1988	30.26	38.34	8.08
T-8B	B1	4/12/1988	26.35	38.34	11.99
T-8B	B1	7/26/1988	12.47	38.34	25.87
T-8B	B1	10/25/1988	24.34	38.34	14.00
T-8B	B1	1/10/1989	NM	38.30	NA
T-8B	B1	4/3/1989	24.65	38.30	13.65
T-8B	B1	9/14/1989	22.32	38.30	15.98
T-8B	B1	10/10/1989	13.86	38.30	24.44

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-8B	B1	1/8/1990	14.56	38.30	23.74
T-8B	B1	4/6/1990	26.09	38.30	12.21
T-8B	B1	7/5/1990	24.13	38.30	14.17
T-8B	B1	10/9/1990	23.80	38.30	14.50
T-8B	B1	1/8/1991	24.15	38.30	14.15
T-8B	B1	4/9/1991	25.41	38.30	12.89
T-8B	B1	7/12/1991	24.89	38.30	13.41
T-8B	B1	10/7/1991	27.44	38.30	10.86
T-8B	B1	1/6/1992	16.06	38.30	22.24
T-8B	B1	4/6/1992	20.11	38.30	18.19
T-8B	B1	7/6/1992	16.34	38.30	21.96
T-8B	B1	10/5/1992	14.51	38.30	23.79
T-8B	B1	1/5/1993	14.67	38.30	23.63
T-8B	B1	4/5/1993	24.44	38.30	13.86
T-8B	B1	7/6/1993	13.10	38.30	25.20
T-8B	B1	10/15/1993	21.81	38.30	16.49
T-8B	B1	1/11/1994	25.92	38.30	12.38
T-8B	B1	4/4/1994	23.25	38.30	15.05
T-8B	B1	7/6/1994	24.00	38.30	14.30
T-8B	B1	10/5/1994	25.92	38.30	12.38
T-8B	B1	1/10/1995	29.36	38.30	8.94
T-8B	B1	4/5/1995	31.59	38.30	6.71
T-8B	B1	7/5/1995	11.11	38.30	27.19
T-8B	B1	10/9/1995	31.00	38.30	7.30
T-8B	B1	7/10/1996	10.97	38.30	27.33
T-8B	B1	10/1/1996	30.87	38.30	7.43
T-8B	B1	4/1/1997	28.40	38.30	9.90
T-8B	B1	10/1/1997	13.44	38.30	24.86
T-8B	B1	4/1/1998	13.83	38.30	24.47
T-8B	B1	10/5/1998	14.77	38.30	23.53
T-8B	B1	4/5/1999	15.83	38.30	22.47
T-8B	B1	10/4/1999	14.37	38.30	23.93
T-8B	B1	10/2/2000	9.68	38.30	28.62
T-8B	B1	10/1/2001	8.64	38.30	29.66
T-8B	B1	10/1/2002	8.23	37.63	29.40
T-8B	B1	10/9/2003	7.34	37.63	30.29
T-8B	B1	10/4/2004	7.75	37.63	29.88
T-8B	B1	10/10/2005	6.46	37.63	31.17
T-8B	B1	10/16/2006	6.35	37.63	31.28
T-8B	B1	10/8/2007	6.05	40.33	34.28
T-8B	B1	10/13/2008	6.68	40.33	33.65
T-8B	B1	10/12/2009	7.60	40.33	32.73
T-8B	B1	10/11/2010	7.21	40.33	33.12
T-8B	B1	10/10/2011	6.74	40.33	33.59
T-8B	B1	10/8/2012	6.93	40.33	33.40
T-8B	B1	10/14/2013	7.31	40.33	33.02
T-8B	B1	10/13/2014	6.73	40.33	33.60
T-8B	B1	6/26/2015	7.10	40.33	33.23
T-8B	B1	10/12/2015	7.72	40.33	32.61
T-8B	B1	5/26/2016	6.70	40.33	33.63
T-8B	B1	10/10/2016	7.46	40.33	32.87
T-8B	B1	10/9/2017	6.71	40.43	33.72
T-8B	B1	10/8/2018	6.01	40.43	34.42
T-8B	B1	10/8/2019	6.26	40.43	34.17
T-8B	B1	10/12/2020	6.38	40.43	34.05
T-9B	B1	3/12/1986	6.75	37.14	30.39
T-9B	B1	3/14/1986	24.45	37.14	12.69
T-9B	B1	3/17/1986	24.25	37.14	12.89
T-9B	B1	5/13/1986	8.94	37.14	28.20
T-9B	B1	7/24/1986	27.67	37.14	9.47
T-9B	B1	10/2/1987	12.15	37.14	24.99
T-9B	B1	11/30/1987	19.34	37.14	17.80

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Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-9B	B1	2/24/1988	21.99	37.14	15.15
T-9B	B1	4/12/1988	23.50	37.14	13.64
T-9B	B1	7/26/1988	24.97	37.14	12.17
T-9B	B1	10/25/1988	26.65	37.14	10.49
T-9B	B1	1/10/1989	24.33	37.11	12.78
T-9B	B1	4/3/1989	23.66	37.11	13.45
T-9B	B1	9/14/1989	17.32	37.11	19.79
T-9B	B1	10/10/1989	21.48	37.11	15.63
T-9B	B1	1/8/1990	25.75	37.11	11.36
T-9B	B1	4/6/1990	20.54	37.11	16.57
T-9B	B1	7/5/1990	18.31	37.11	18.80
T-9B	B1	10/9/1990	31.99	37.11	5.12
T-9B	B1	1/8/1991	23.99	37.11	13.12
T-9B	B1	4/9/1991	22.70	37.11	14.41
T-9B	B1	7/12/1991	31.91	37.11	5.20
T-9B	B1	10/7/1991	NM	37.11	NA
T-9B	B1	1/6/1992	31.80	37.11	5.31
T-9B	B1	4/6/1992	30.91	37.11	6.20
T-9B	B1	7/6/1992	31.47	37.11	5.64
T-9B	B1	10/5/1992	29.77	37.11	7.34
T-9B	B1	1/5/1993	29.41	37.11	7.70
T-9B	B1	4/5/1993	28.91	37.11	8.20
T-9B	B1	7/6/1993	30.58	37.11	6.53
T-9B	B1	10/15/1993	26.50	37.11	10.61
T-9B	B1	1/11/1994	29.42	37.11	7.69
T-9B	B1	4/4/1994	28.23	37.11	8.88
T-9B	B1	7/6/1994	20.45	37.11	16.66
T-9B	B1	10/5/1994	22.64	37.11	14.47
T-9B	B1	1/10/1995	16.34	37.11	20.77
T-9B	B1	4/5/1995	13.00	37.11	24.11
T-9B	B1	7/5/1995	16.40	37.11	20.71
T-9B	B1	10/9/1995	14.82	37.11	22.29
T-9B	B1	7/10/1996	16.43	37.11	20.68
T-9B	B1	10/1/1996	16.98	37.11	20.13
T-9B	B1	4/1/1997	14.57	37.01	22.44
T-9B	B1	10/1/1997	15.82	37.32	21.50
T-9B	B1	4/1/1998	13.83	37.32	23.49
T-9B	B1	10/5/1998	12.62	37.32	24.70
T-9B	B1	4/5/1999	16.40	37.32	20.92
T-9B	B1	10/4/1999	14.94	37.32	22.38
T-9B	B1	10/2/2000	18.41	37.32	18.91
T-9B	B1	10/1/2001	11.73	37.32	25.59
T-9B	B1	10/14/2002	11.31	37.32	26.01
T-9B	B1	10/9/2003	10.20	37.32	27.12
T-9B	B1	10/4/2004	9.68	37.32	27.64
T-9B	B1	10/10/2005	7.65	37.32	29.67
T-9B	B1	10/16/2006	7.50	36.19	28.69
T-9B	B1	10/8/2007	6.97	38.89	31.92
T-9B	B1	10/13/2008	8.87	38.89	30.02
T-9B	B1	10/12/2009	9.43	38.89	29.46
T-9B	B1	10/11/2010	8.69	38.89	30.20
T-9B	B1	10/10/2011	8.14	38.89	30.75
T-9B	B1	10/8/2012	8.30	38.89	30.59
T-9B	B1	10/14/2013	8.61	38.89	30.28
T-9B	B1	10/13/2014	7.91	38.89	30.98
T-9B	B1	6/26/2015	8.28	38.89	30.61
T-9B	B1	10/12/2015	8.91	38.89	29.98
T-9B	B1	5/26/2016	7.84	38.39	30.55
T-9B	B1	10/10/2016	8.36	38.89	30.53
T-9B	B1	1/18/2017	6.15	38.95	32.80
T-9B	B1	10/9/2017	7.39	38.95	31.56
T-9B	B1	10/8/2018	6.79	38.95	32.16

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Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-9B	B1	Per USEPA approval, well T-9B was destroyed.			
T-10B	B1	10/1/2001	8.81	37.39	28.58
T-10B	B1	10/14/2002	8.44	37.39	28.95
T-10B	B1	10/9/2003	7.41	37.39	29.98
T-10B	B1	10/4/2004	7.86	37.39	29.53
T-10B	B1	10/10/2005	6.62	37.39	30.77
T-10B	B1	10/16/2006	6.56	37.39	30.83
T-10B	B1	10/8/2007	6.19	40.09	33.90
T-10B	B1	10/13/2008	6.81	40.09	33.28
T-10B	B1	10/12/2009	7.76	40.09	32.33
T-10B	B1	10/11/2010	4.36	40.09	35.73
T-10B	B1	10/10/2011	6.82	40.09	33.27
T-10B	B1	10/8/2012	7.12	40.09	32.97
T-10B	B1	10/14/2013	7.52	40.09	32.57
T-10B	B1	10/13/2014	6.81	40.09	33.28
T-10B	B1	10/14/2015	7.90	40.09	32.19
T-10B	B1	5/26/2016	6.92	40.09	33.17
T-10B	B1	10/10/2016	7.63	40.09	32.46
T-10B	B1	10/9/2017	6.88	40.13	33.25
T-10B	B1	10/8/2018	6.19	40.13	33.94
T-10B	B1	10/8/2019	6.28	40.13	33.85
T-10B	B1	10/12/2020	6.50	40.13	33.63
T-17B	B1	10/12/2009	8.36	40.61	32.25
T-17B	B1	10/11/2010	7.80	40.61	32.81
T-17B	B1	10/10/2011	7.27	40.61	33.34
T-17B	B1	4/26/2012	6.78	40.61	33.83
T-17B	B1	10/8/2012	7.20	40.61	33.41
T-17B	B1	5/20/2013	7.80	40.61	32.81
T-17B	B1	10/14/2013	7.92	40.61	32.69
T-17B	B1	4/14/2014	7.42	40.61	33.19
T-17B	B1	10/13/2014	7.30	40.61	33.31
T-17B	B1	6/26/2015	7.55	40.61	33.06
T-17B	B1	10/12/2015	7.97	40.61	32.64
T-17B	B1	5/26/2016	6.98	40.61	33.63
T-17B	B1	10/10/2016	8.00	40.61	32.61
T-17B	B1	10/9/2017	7.22	40.72	33.50
T-17B	B1	10/8/2018	6.41	40.72	34.31
T-17B	B1	10/8/2019	6.48	40.72	34.24
T-17B	B1	10/12/2020	6.90	40.72	33.82
T-18B	B1	11/13/2012	6.22	38.78	32.56
T-18B	B1	5/21/2013	5.93	38.78	32.85
T-18B	B1	10/14/2013	6.28	38.78	32.50
T-18B	B1	10/13/2014	6.34	38.78	32.44
T-18B	B1	10/12/2015	7.13	38.78	31.65
T-18B	B1	10/10/2016	6.48	38.78	32.30
T-18B	B1	10/9/2017	5.29	41.41	36.12
T-18B	B1	10/8/2018	4.73	41.41	36.68
T-18B	B1	10/8/2019	4.10	41.41	37.31
T-18B	B1	10/12/2020	5.10	41.41	36.31
T-19B	B1	11/13/2012	7.35	38.72	31.37
T-19B	B1	5/21/2013	6.78	38.72	31.94
T-19B	B1	10/14/2013	7.20	38.72	31.52
T-19B	B1	10/13/2014	7.38	38.72	31.34
T-19B	B1	10/12/2015	8.14	38.72	30.58
T-19B	B1	10/10/2016	6.59	38.72	32.13
T-19B	B1	10/9/2017	5.54	41.37	35.83
T-19B	B1	10/8/2018	5.33	41.37	36.04
T-19B	B1	10/8/2019	4.52	41.38	36.86
T-19B	B1	10/12/2020	5.24	41.38	36.14
T-20B	B1	10/9/2017	5.26	40.65	35.39
T-20B	B1	10/8/2018	4.70	40.65	35.95
T-20B	B1	10/8/2019	4.82	40.65	35.83

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Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-20B	B1	10/12/2020	4.93	40.65	35.72
T-21B	B1	10/9/2017	7.19	41.53	34.34
T-21B	B1	10/8/2018	6.71	41.53	34.82
T-21B	B1	10/8/2019	6.78	41.53	34.75
T-21B	B1	10/12/2020	6.85	41.53	34.68
T-22B	B1	10/9/2017	6.63	39.13	32.50
T-22B	B1	10/8/2018	5.88	39.13	33.25
T-22B	B1	10/8/2019	5.93	39.13	33.20
T-22B	B1	10/12/2020	6.23	39.13	32.90
T-23B	B1	10/9/2017	6.82	39.28	32.46
T-23B	B1	10/8/2018	6.10	39.28	33.18
T-23B	B1	10/8/2019	6.22	39.28	33.06
T-23B	B1	10/12/2020	6.40	39.28	32.88
T-24B	0	10/9/2017	7.64	39.19	31.55
T-24B	0	10/8/2018	7.03	39.19	32.16
T-24B	0	10/8/2019	7.08	39.19	32.11
T-24B	B1	10/12/2020	7.64	39.19	31.55
T-25Bd	0	12/14/2018	6.32	38.79	32.47
T-25Bd	0	10/8/2019	6.84	38.79	31.95
T-25Bd	B1	10/12/2020	7.24	38.79	31.55
T-25Bs	0	12/14/2018	5.89	39.12	33.23
T-25Bs	0	10/8/2019	6.11	39.12	33.01
T-25Bs	B1	10/12/2020	6.38	39.12	32.74
T-2C	B2	7/24/1986	29.65	39.40	9.75
T-2C	B2	10/29/1987	25.15	39.40	14.25
T-2C	B2	11/30/1987	35.18	39.40	4.22
T-2C	B2	2/24/1988	34.71	39.40	4.69
T-2C	B2	4/12/1988	NM	39.40	NA
T-2C	B2	7/26/1988	35.70	39.40	3.70
T-2C	B2	10/25/1988	36.86	39.40	2.54
T-2C	B2	1/10/1989	NM	39.37	NA
T-2C	B2	4/3/1989	38.92	39.37	0.45
T-2C	B2	9/14/1989	44.24	39.37	-4.87
T-2C	B2	10/10/1989	33.84	39.37	5.53
T-2C	B2	1/8/1990	31.47	39.37	7.90
T-2C	B2	4/6/1990	40.29	39.37	-0.92
T-2C	B2	8/3/1990	50.84	39.37	-11.47
T-2C	B2	11/13/1990	40.05	39.37	-0.68
T-2C	B2	1/8/1991	29.47	39.37	9.90
T-2C	B2	4/9/1991	31.69	39.37	7.68
T-2C	B2	7/12/1991	36.12	39.37	3.25
T-2C	B2	10/7/1991	47.67	39.37	-8.30
T-2C	B2	1/6/1992	47.25	39.37	-7.88
T-2C	B2	4/6/1992	42.57	39.37	-3.20
T-2C	B2	7/6/1992	46.92	39.37	-7.55
T-2C	B2	10/5/1992	42.87	39.37	-3.50
T-2C	B2	1/5/1993	39.84	39.37	-0.47
T-2C	B2	4/5/1993	37.88	39.37	1.49
T-2C	B2	7/6/1993	40.11	39.37	-0.74
T-2C	B2	10/15/1993	38.82	39.37	0.55
T-2C	B2	1/11/1994	44.54	39.37	-5.17
T-2C	B2	4/4/1994	40.30	39.37	-0.93
T-2C	B2	7/6/1994	35.63	39.37	3.74
T-2C	B2	10/5/1994	31.41	39.37	7.96
T-2C	B2	1/10/1995	34.94	39.37	4.43
T-2C	B2	4/5/1995	18.21	39.37	21.16
T-2C	B2	7/5/1995	35.45	39.37	3.92
T-2C	B2	10/9/1995	31.59	39.37	7.78
T-2C	B2	7/10/1996	31.00	39.37	8.37
T-2C	B2	10/1/1996	31.00	39.37	8.37
T-2C	B2	4/1/1997	33.65	39.37	5.72
T-2C	B2	10/1/1997	29.50	39.51	10.01

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-2C	B2	4/1/1998	19.25	39.51	20.26
T-2C	B2	10/5/1998	15.45	39.51	24.06
T-2C	B2	4/5/1999	31.50	39.51	8.01
T-2C	B2	10/4/1999	25.18	39.51	14.33
T-2C	B2	10/2/2000	18.40	39.51	21.11
T-2C	B2	10/1/2001	17.50	39.51	22.01
T-2C	B2	10/14/2002	13.91	38.68	24.77
T-2C	B2	10/9/2003	11.66	38.68	27.02
T-2C	B2	10/4/2004	11.01	38.68	27.67
T-2C	B2	10/10/2005	7.53	38.68	31.15
T-2C	B2	10/16/2006	6.83	38.68	31.85
T-2C	B2	10/8/2007	6.39	41.38	34.99
T-2C	B2	10/13/2008	11.58	41.38	29.80
T-2C	B2	10/12/2009	10.56	41.38	30.82
T-2C	B2	10/11/2010	9.69	41.38	31.69
T-2C	B2	10/10/2011	8.36	41.38	33.02
T-2C	B2	10/8/2012	8.75	41.38	32.63
T-2C	B2	10/14/2013	8.98	41.38	32.40
T-2C	B2	4/14/2014	8.62	41.38	32.76
T-2C	B2	9/24/2014	7.50	41.38	33.88
T-2C	B2	10/14/2014	8.71	41.38	32.67
T-2C	B2	Per USEPA approval, well T-2C was destroyed.			
T-9C	B3	1/15/1986	7.20	36.68	29.48
T-9C	B3	4/21/1986	10.50	36.68	26.18
T-9C	B3	5/13/1986	9.83	36.68	26.85
T-9C	B3	7/24/1986	11.21	36.68	25.47
T-9C	B3	10/2/1987	17.16	36.68	19.52
T-9C	B3	11/30/1987	18.33	36.68	18.35
T-9C	B3	2/24/1988	17.76	36.68	18.92
T-9C	B3	4/12/1988	19.35	36.68	17.33
T-9C	B3	7/26/1988	18.85	36.68	17.83
T-9C	B3	10/25/1988	20.32	36.68	16.36
T-9C	B3	1/10/1989	21.29	36.67	15.38
T-9C	B3	4/3/1989	22.11	36.67	14.56
T-9C	B3	8/23/1989	22.74	36.67	13.93
T-9C	B3	10/10/1989	21.99	36.67	14.68
T-9C	B3	1/8/1990	22.51	36.67	14.16
T-9C	B3	4/6/1990	23.09	36.67	13.58
T-9C	B3	8/3/1990	23.39	36.67	13.28
T-9C	B3	11/13/1990	23.97	36.67	12.70
T-9C	B3	1/8/1991	23.58	36.67	13.09
T-9C	B3	4/9/1991	23.16	36.67	13.51
T-9C	B3	7/12/1991	23.60	36.67	13.07
T-9C	B3	10/7/1991	25.07	36.67	11.60
T-9C	B3	1/6/1992	23.55	36.67	13.12
T-9C	B3	4/6/1992	21.37	36.67	15.30
T-9C	B3	7/6/1992	21.73	36.67	14.94
T-9C	B3	10/5/1992	19.03	36.67	17.64
T-9C	B3	1/5/1993	22.95	36.67	13.72
T-9C	B3	4/5/1993	22.00	36.67	14.67
T-9C	B3	7/6/1993	23.42	36.67	13.25
T-9C	B3	10/15/1993	23.70	36.67	12.97
T-9C	B3	1/11/1994	24.99	36.67	11.68
T-9C	B3	4/4/1994	23.61	36.67	13.06
T-9C	B3	7/6/1994	22.57	36.67	14.10
T-9C	B3	10/5/1994	18.96	36.67	17.71
T-9C	B3	1/10/1995	20.94	36.67	15.73
T-9C	B3	4/5/1995	18.23	36.67	18.44
T-9C	B3	7/5/1995	20.42	36.67	16.25
T-9C	B3	10/9/1995	18.43	36.67	18.24
T-9C	B3	7/10/1996	20.37	36.67	16.30
T-9C	B3	10/1/1996	22.10	36.67	14.57

Appendix B
Historical Water-Level Elevation Measurements
Former TRW Microwave Facility - 825 Stewart Drive, Sunnyvale, California

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-9C	B3	4/1/1997	15.69	36.57	20.88
T-9C	B3	10/1/1997	17.15	36.11	18.96
T-9C	B3	4/1/1998	13.16	36.11	22.95
T-9C	B3	10/5/1998	14.83	36.11	21.28
T-9C	B3	4/5/1999	18.44	36.11	17.67
T-9C	B3	10/4/1999	12.70	36.11	23.41
T-9C	B3	10/2/2000	17.64	36.11	18.47
T-9C	B3	10/1/2001	15.28	36.11	20.83
T-9C	B3	10/14/2002	12.98	36.11	23.13
T-9C	B3	10/9/2003	11.41	36.11	24.70
T-9C	B3	10/4/2004	10.45	36.11	25.66
T-9C	B3	10/10/2005	7.88	36.11	28.23
T-9C	B3	10/16/2006	6.78	36.11	29.33
T-9C	B3	10/8/2007	6.13	38.81	32.68
T-9C	B3	10/13/2008	11.13	38.81	27.68
T-9C	B3	10/12/2009	9.74	38.81	29.07
T-9C	B3	10/11/2010	9.40	38.81	29.41
T-9C	B3	10/10/2011	7.99	38.81	30.82
T-9C	B3	10/8/2012	8.33	38.81	30.48
T-9C	B3	10/14/2013	8.54	38.81	30.27
T-9C	B3	10/13/2014	8.21	38.81	30.60
T-9C	B3	10/12/2015	9.22	38.81	29.59
T-9C	B3	10/10/2016	8.20	38.81	30.61
T-9C	B3	10/9/2017	6.74	38.82	32.08
T-9C	B3	10/8/2018	5.90	38.82	32.92
T-9C	B3	10/8/2019	6.20	38.82	32.62
T-9C	B3	10/12/2020	6.93	38.82	31.89
T-10C	B2	7/24/1986	11.73	37.51	25.78
T-10C	B2	10/2/1987	18.55	37.51	18.96
T-10C	B2	11/30/1987	19.36	37.51	18.15
T-10C	B2	2/24/1988	18.77	37.51	18.74
T-10C	B2	4/12/1988	20.65	37.51	16.86
T-10C	B2	7/26/1988	20.12	37.51	17.39
T-10C	B2	10/25/1988	22.05	37.51	15.46
T-10C	B2	1/10/1989	23.02	37.50	14.48
T-10C	B2	4/3/1989	23.73	37.50	13.77
T-10C	B2	9/14/1989	24.12	37.50	13.38
T-10C	B2	10/10/1989	23.23	37.50	14.27
T-10C	B2	1/8/1990	23.84	37.50	13.66
T-10C	B2	4/6/1990	24.89	37.50	12.61
T-10C	B2	8/3/1990	25.22	37.50	12.28
T-10C	B2	11/13/1990	26.41	37.50	11.09
T-10C	B2	1/8/1991	25.88	37.50	11.62
T-10C	B2	4/9/1991	25.66	37.50	11.84
T-10C	B2	7/12/1991	26.24	37.50	11.26
T-10C	B2	10/7/1991	27.91	37.50	9.59
T-10C	B2	1/6/1992	26.42	37.50	11.08
T-10C	B2	4/6/1992	24.30	37.50	13.20
T-10C	B2	7/6/1992	24.26	37.50	13.24
T-10C	B2	10/5/1992	20.87	37.50	16.63
T-10C	B2	1/5/1993	23.85	37.50	13.65
T-10C	B2	4/5/1993	25.46	37.50	12.04
T-10C	B2	7/6/1993	27.00	37.50	10.50
T-10C	B2	10/15/1993	26.97	37.50	10.53
T-10C	B2	1/11/1994	28.65	37.50	8.85
T-10C	B2	4/4/1994	27.26	37.50	10.24
T-10C	B2	7/6/1994	26.20	37.50	11.30
T-10C	B2	10/5/1994	21.24	37.50	16.26
T-10C	B2	1/10/1995	25.02	37.50	12.48
T-10C	B2	4/5/1995	21.76	37.50	15.74
T-10C	B2	7/5/1995	24.49	37.50	13.01
T-10C	B2	10/9/1995	19.80	37.50	17.70

Appendix B
Historical Water-Level Elevation Measurements
Former TRW Microwave Facility - 825 Stewart Drive, Sunnyvale, California

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-10C	B2	7/10/1996	24.20	37.50	13.30
T-10C	B2	10/1/1996	25.72	37.50	11.78
T-10C	B2	4/1/1997	20.63	37.66	17.03
T-10C	B2	10/1/1997	19.91	37.06	17.15
T-10C	B2	4/1/1998	15.66	37.06	21.40
T-10C	B2	10/5/1998	17.39	37.06	19.67
T-10C	B2	4/5/1999	22.70	37.06	14.36
T-10C	B2	10/4/1999	13.59	37.06	23.47
T-10C	B2	10/2/2000	21.20	37.06	15.86
T-10C	B2	10/1/2001	16.35	37.06	20.71
T-10C	B2	10/14/2002	15.15	37.06	21.91
T-10C	B2	10/9/2003	14.03	37.06	23.03
T-10C	B2	10/4/2004	13.24	37.06	23.82
T-10C	B2	10/10/2005	8.29	37.06	28.77
T-10C	B2	10/16/2006	7.44	37.06	29.62
T-10C	B2	10/8/2007	6.91	39.76	32.85
T-10C	B2	10/13/2008	14.53	39.76	25.23
T-10C	B2	10/12/2009	12.62	39.76	27.14
T-10C	B2	10/11/2010	11.69	39.76	28.07
T-10C	B2	10/10/2011	9.92	39.76	29.84
T-10C	B2	10/8/2012	10.45	39.76	29.31
T-10C	B2	10/14/2013	11.03	39.76	28.73
T-10C	B2	10/13/2014	10.16	39.76	29.60
T-10C	B2	6/26/2015	9.60	39.76	30.16
T-10C	B2	10/12/2015	10.57	39.76	29.19
T-10C	B2	5/26/2016	9.48	39.05	29.57
T-10C	B2	10/10/2016	9.27	39.76	30.49
T-10C	B2	10/9/2017	8.12	39.46	31.34
T-10C	B2	10/8/2018	7.21	39.46	32.25
T-10C	B2	10/8/2019	7.67	39.46	31.79
T-10C	B2	10/12/2020	8.60	39.46	30.86
T-11C	B2	7/24/1986	10.89	36.60	25.71
T-11C	B2	10/2/1987	17.28	36.60	19.32
T-11C	B2	11/30/1987	18.28	36.60	18.32
T-11C	B2	2/24/1988	17.78	36.60	18.82
T-11C	B2	4/12/1988	19.12	36.60	17.48
T-11C	B2	7/26/1988	18.64	36.60	17.96
T-11C	B2	10/25/1988	19.78	36.60	16.82
T-11C	B2	1/10/1989	20.83	36.60	15.77
T-11C	B2	4/3/1989	21.74	36.60	14.86
T-11C	B2	9/14/1989	22.62	36.60	13.98
T-11C	B2	10/10/1989	21.82	36.60	14.78
T-11C	B2	1/8/1990	22.28	36.60	14.32
T-11C	B2	4/6/1990	NM	36.60	NM
T-11C	B2	8/3/1990	23.03	36.60	13.57
T-11C	B2	11/13/1990	22.30	36.60	14.30
T-11C	B2	1/8/1991	22.84	36.60	13.76
T-11C	B2	4/9/1991	22.30	36.60	14.30
T-11C	B2	7/12/1991	22.91	36.60	13.69
T-11C	B2	10/7/1991	24.19	36.60	12.41
T-11C	B2	1/6/1992	22.71	36.60	13.89
T-11C	B2	4/6/1992	20.38	36.60	16.22
T-11C	B2	7/6/1992	NM	36.60	NM
T-11C	B2	10/5/1992	18.66	36.60	17.94
T-11C	B2	1/5/1993	22.33	36.60	14.27
T-11C	B2	4/5/1993	20.82	36.60	15.78
T-11C	B2	7/6/1993	22.15	36.60	14.45
T-11C	B2	10/15/1993	22.23	36.60	14.37
T-11C	B2	1/11/1994	23.86	36.60	12.74
T-11C	B2	4/4/1994	22.44	36.60	14.16
T-11C	B2	7/6/1994	21.60	36.60	15.00
T-11C	B2	10/5/1994	18.58	36.60	18.02
T-11C	B2	1/10/1995	19.86	36.60	16.74
T-11C	B2	4/5/1995	17.12	36.60	19.48

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-11C	B2	7/5/1995	19.72	36.60	16.88
T-11C	B2	10/9/1995	17.92	36.60	18.68
T-11C	B2	7/10/1996	19.95	36.60	16.65
T-11C	B2	10/1/1996	21.46	36.60	15.14
T-11C	B2	4/1/1997	17.55	36.49	18.94
T-11C	B2	10/1/1997	16.81	35.95	19.14
T-11C	B2	4/1/1998	13.18	35.95	22.77
T-11C	B2	10/5/1998	14.34	35.95	21.61
T-11C	B2	4/5/1999	17.92	35.95	18.03
T-11C	B2	10/4/1999	12.94	35.95	23.01
T-11C	B2	10/2/2000	16.96	35.95	18.99
T-11C	B2	10/1/2001	14.33	35.95	21.62
T-11C	B2	10/14/2002	12.87	35.95	23.08
T-11C	B2	10/9/2003	11.18	35.95	24.77
T-11C	B2	10/4/2004	10.30	35.95	25.65
T-11C	B2	10/10/2005	7.49	35.95	28.46
T-11C	B2	10/16/2006	6.77	35.95	29.18
T-11C	B2	10/8/2007	6.34	38.65	32.31
T-11C	B2	10/13/2008	10.83	38.65	27.82
T-11C	B2	10/12/2009	9.41	38.65	29.24
T-11C	B2	10/11/2010	9.31	38.65	29.34
T-11C	B2	10/10/2011	7.95	38.65	30.70
T-11C	B2	10/8/2012	8.25	38.65	30.40
T-11C	B2	10/14/2013	8.45	38.65	30.20
T-11C	B2	10/13/2014	8.03	38.65	30.62
T-11C	B2	10/12/2015	9.07	38.65	29.58
T-11C	B2	10/10/2016	7.78	38.65	30.87
T-11C	B2	10/9/2017	6.61	38.78	32.17
T-11C	B2	10/8/2018	5.88	38.78	32.90
T-11C	B2	10/8/2019	6.01	38.77	32.76
T-11C	B2	10/12/2020	6.75	38.77	32.02
T-12C	B2	9/14/1989	24.42	38.62	14.20
T-12C	B2	1/8/1990	23.48	38.62	15.14
T-12C	B2	4/6/1990	24.48	38.62	14.14
T-12C	B2	8/3/1990	24.23	38.62	14.39
T-12C	B2	11/13/1990	23.47	38.62	15.15
T-12C	B2	1/8/1991	23.97	38.62	14.65
T-12C	B2	4/9/1991	23.82	38.62	14.80
T-12C	B2	7/12/1991	24.12	38.62	14.50
T-12C	B2	10/7/1991	25.31	38.62	13.31
T-12C	B2	1/6/1992	23.65	38.62	14.97
T-12C	B2	4/6/1992	21.11	38.62	17.51
T-12C	B2	7/6/1992	21.69	38.62	16.93
T-12C	B2	10/5/1992	20.15	38.62	18.47
T-12C	B2	1/5/1993	22.46	38.62	16.16
T-12C	B2	4/5/1993	21.41	38.62	17.21
T-12C	B2	7/6/1993	22.08	38.62	16.54
T-12C	B2	10/15/1993	22.40	38.62	16.22
T-12C	B2	1/11/1994	24.12	38.62	14.50
T-12C	B2	4/4/1994	22.63	38.62	15.99
T-12C	B2	7/6/1994	21.71	38.62	16.91
T-12C	B2	10/5/1994	18.91	38.62	19.71
T-12C	B2	1/10/1995	20.17	38.62	18.45
T-12C	B2	4/5/1995	16.14	38.62	22.48
T-12C	B2	7/5/1995	19.81	38.62	18.81
T-12C	B2	10/9/1995	18.00	38.62	20.62
T-12C	B2	7/10/1996	19.90	38.62	18.72
T-12C	B2	10/1/1996	21.61	38.62	17.01
T-12C	B2	4/1/1997	17.60	38.56	20.96
T-12C	B2	10/1/1997	16.84	38.04	21.20
T-12C	B2	4/1/1998	13.45	38.04	24.59
T-12C	B2	10/5/1998	14.12	38.04	23.92
T-12C	B2	4/5/1999	17.66	38.04	20.38
T-12C	B2	10/4/1999	13.77	38.04	24.27

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Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-12C	B2	10/2/2000	16.23	38.04	21.81
T-12C	B2	10/1/2001	14.35	38.04	23.69
T-12C	B2	10/14/2002	12.39	38.04	25.65
T-12C	B2	10/9/2003	10.11	38.04	27.93
T-12C	B2	10/4/2004	9.42	38.04	28.62
T-12C	B2	10/10/2005	6.92	38.04	31.12
T-12C	B2	10/16/2006	6.24	38.04	31.80
T-12C	B2	10/8/2007	5.91	40.74	34.83
T-12C	B2	10/13/2008	9.70	40.74	31.04
T-12C	B2	10/12/2009	8.83	40.74	31.91
T-12C	B2	10/11/2010	8.36	40.74	32.38
T-12C	B2	10/10/2011	7.16	40.74	33.58
T-12C	B2	10/8/2012	7.43	40.74	33.31
T-12C	B2	10/14/2013	7.68	40.74	33.06
T-12C	B2	10/13/2014	7.54	40.74	33.20
T-12C	B2	10/12/2015	8.57	40.74	32.17
T-12C	B2	10/10/2016	7.31	40.74	33.43
T-12C	B2	10/9/2017	5.99	40.84	34.85
T-12C	B2	10/8/2018	5.19	40.84	35.65
T-12C	B2	10/8/2019	5.28	40.84	35.56
T-12C	B2	10/12/2020	6.00	40.84	34.84
36-DD	B2	1/15/1986	8.10	39.37	31.27
36-DD	B2	3/12/1986	6.53	39.37	32.84
36-DD	B2	3/14/1986	6.56	39.37	32.81
36-DD	B2	4/21/1986	8.10	39.37	31.27
36-DD	B2	5/13/1986	8.11	39.37	31.26
36-DD	B2	7/24/1986	8.23	39.37	31.14
36-DD	B2	10/2/1987	10.21	39.37	29.16
36-DD	B2	11/30/1987	11.08	39.37	28.29
36-DD	B2	2/24/1988	10.94	39.37	28.43
36-DD	B2	4/12/1988	11.52	39.37	27.85
36-DD	B2	7/26/1988	11.79	39.37	27.58
36-DD	B2	10/25/1988	12.36	39.37	27.01
36-DD	B2	1/10/1989	12.82	39.20	26.38
36-DD	B2	4/3/1989	13.18	39.20	26.02
36-DD	B2	8/23/1989	14.14	39.20	25.06
36-DD	B2	10/10/1989	13.25	39.20	25.95
36-DD	B2	1/8/1990	14.06	39.20	25.14
36-DD	B2	4/6/1990	14.75	39.20	24.45
36-DD	B2	8/3/1990	14.30	39.20	24.90
36-DD	B2	10/9/1990	14.46	39.20	24.74
36-DD	B2	1/8/1991	16.12	39.20	23.08
36-DD	B2	4/9/1991	14.69	39.20	24.51
36-DD	B2	7/12/1991	15.59	39.20	23.61
36-DD	B2	10/7/1991	15.80	39.20	23.40
36-DD	B2	1/6/1992	15.03	39.20	24.17
36-DD	B2	4/6/1992	10.95	39.20	28.25
36-DD	B2	7/6/1992	13.40	39.20	25.80
36-DD	B2	10/5/1992	12.50	39.20	26.70
36-DD	B2	1/5/1993	13.19	39.20	26.01
36-DD	B2	4/5/1993	10.88	39.20	28.32
36-DD	B2	7/6/1993	11.47	39.20	27.73
36-DD	B2	10/15/1993	12.46	39.20	26.74
36-DD	B2	1/11/1994	12.83	39.20	26.37
36-DD	B2	4/4/1994	12.58	39.20	26.62
36-DD	B2	7/6/1994	12.80	39.20	26.40
36-DD	B2	10/5/1994	10.75	39.20	28.45
36-DD	B2	1/10/1995	8.69	39.20	30.51
36-DD	B2	4/5/1995	8.46	39.20	30.74
36-DD	B2	7/5/1995	10.08	39.20	29.12
36-DD	B2	10/9/1995	9.52	39.20	29.68
36-DD	B2	7/10/1996	10.19	39.20	29.01

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
36-DD	B2	10/1/1996	10.56	39.20	28.64
36-DD	B2	4/1/1997	8.89	39.20	30.31
36-DD	B2	10/1/1997	9.62	38.74	29.12
36-DD	B2	4/1/1998	7.87	38.74	30.87
36-DD	B2	10/5/1998	8.75	38.74	29.99
36-DD	B2	4/5/1999	8.72	38.74	30.02
36-DD	B2	10/4/1999	8.75	38.74	29.99
36-DD	B2	10/2/2000	9.40	38.74	29.34
36-DD	B2	10/1/2001	8.91	38.74	29.83
36-DD	B2	10/14/2002	8.64	38.74	30.10
36-DD	B2	10/9/2003	7.03	38.74	31.71
36-DD	B2	10/4/2004	7.07	38.74	31.67
36-DD	B2	10/10/2005	5.92	38.74	32.82
36-DD	B2	10/16/2006	5.76	38.74	32.98
36-DD	B2	10/8/2007	5.45	41.58	36.13
36-DD	B2	10/13/2008	6.76	41.58	34.82
36-DD	B2	10/12/2009	6.85	41.58	34.73
36-DD	B2	10/11/2010	6.55	41.58	35.03
36-DD	B2	10/10/2011	5.72	41.58	35.86
36-DD	B2	10/8/2012	5.91	41.58	35.67
36-DD	B2	10/14/2013	6.05	41.58	35.53
36-DD	B2	10/13/2014	6.20	41.58	35.38
36-DD	B2	10/12/2015	7.11	41.58	34.47
36-DD	B2	10/10/2016	6.51	41.58	35.07
36-DD	B2	10/9/2017	5.22	41.52	36.30
36-DD	B2	10/8/2018	4.74	41.52	36.78
36-DD	B2	10/8/2019	4.81	41.52	36.71
36-DD	B2	10/12/2020	4.72	41.52	36.80
T-8D	B4	1/15/1986	7.50	38.29	30.79
T-8D	B4	4/23/1986	8.10	38.29	30.19
T-8D	B4	5/13/1986	8.03	38.29	30.26
T-8D	B4	7/24/1986	9.34	38.29	28.95
T-8D	B4	10/2/1987	14.55	38.29	23.74
T-8D	B4	11/30/1987	14.48	38.29	23.81
T-8D	B4	2/24/1988	13.46	38.29	24.83
T-8D	B4	4/12/1988	14.27	38.29	24.02
T-8D	B4	7/26/1988	15.03	38.29	23.26
T-8D	B4	10/25/1988	17.18	38.29	21.11
T-8D	B4	1/10/1989	17.15	38.28	21.13
T-8D	B4	4/3/1989	18.27	38.28	20.01
T-8D	B4	9/14/1989	14.97	38.28	23.31
T-8D	B4	10/10/1989	18.26	38.28	20.02
T-8D	B4	1/8/1990	18.57	38.28	19.71
T-8D	B4	4/6/1990	17.85	38.28	20.43
T-8D	B4	7/5/1990	17.97	38.28	20.31
T-8D	B4	10/9/1990	16.78	38.28	21.50
T-8D	B4	1/8/1991	17.53	38.28	20.75
T-8D	B4	4/9/1991	16.07	38.28	22.21
T-8D	B4	7/9/1991	17.15	38.28	21.13
T-8D	B4	10/7/1991	17.83	38.28	20.45
T-8D	B4	1/6/1992	16.94	38.28	21.34
T-8D	B4	4/6/1992	14.25	38.28	24.03
T-8D	B4	7/6/1992	15.02	38.28	23.26
T-8D	B4	10/5/1992	12.97	38.28	25.31
T-8D	B4	1/5/1993	17.02	38.28	21.26
T-8D	B4	4/5/1993	14.35	38.28	23.93
T-8D	B4	7/6/1993	14.32	38.28	23.96
T-8D	B4	10/15/1993	16.87	38.28	21.41
T-8D	B4	1/11/1994	15.31	38.28	22.97
T-8D	B4	4/4/1994	14.42	38.28	23.86
T-8D	B4	7/6/1994	14.54	38.28	23.74
T-8D	B4	10/5/1994	12.40	38.28	25.88

Appendix B
Historical Water-Level Elevation Measurements
Former TRW Microwave Facility - 825 Stewart Drive, Sunnyvale, California

Well Number	Zone	Date Measured	Depth to Water (feet, BTOC)	Top of Casing Elevation (feet, MSL)	Water-Level Elevation (feet, MSL)
T-8D	B4	1/10/1995	12.06	38.28	26.22
T-8D	B4	4/5/1995	9.88	38.28	28.40
T-8D	B4	7/5/1995	11.26	38.28	27.02
T-8D	B4	10/9/1995	10.69	38.28	27.59
T-8D	B4	7/10/1996	10.49	38.28	27.79
T-8D	B4	10/1/1996	11.31	38.28	26.97
T-8D	B4	4/1/1997	7.11	38.19	31.08
T-8D	B4	10/1/1997	7.83	37.65	29.82
T-8D	B4	4/1/1998	3.83	37.65	33.82
T-8D	B4	10/5/1998	5.32	37.65	32.33
T-8D	B4	4/5/1999	5.43	37.65	32.22
T-8D	B4	10/4/1999	4.75	37.65	32.90
T-8D	B4	10/2/2000	8.17	37.65	29.48
T-8D	B4	10/1/2001	5.90	37.65	31.75
T-8D	B4	10/14/2002	5.89	37.65	31.76
T-8D	B4	10/9/2003	NM	37.65	NM
T-8D	B4	10/4/2004	3.77	37.65	33.88
T-8D	B4	10/10/2005	1.54	37.65	36.11
T-8D	B4	10/16/2006	1.10	37.65	36.55
T-8D	B4	10/8/2007	0.45	40.35	39.90
T-8D	B4	10/13/2008	3.20	40.35	37.15
T-8D	B4	10/12/2009	4.01	40.35	36.34
T-8D	B4	10/11/2010	3.14	40.35	37.21
T-8D	B4	10/10/2011	1.49	40.35	38.86
T-8D	B4	10/8/2012	1.81	40.35	38.54
T-8D	B4	10/14/2013	2.57	40.35	37.78
T-8D	B4	10/13/2014	3.54	40.35	36.81
T-8D	B4	10/12/2015	4.70	40.35	35.65
T-8D	B4	10/10/2016	2.96	40.35	37.39
T-8D	B4	10/9/2017	1.63	40.46	38.83
T-8D	B4	10/8/2018	0.02	40.46	40.44
T-8D	B4	10/8/2019	0.40	40.46	40.06
T-8D	B4	10/12/2020	1.42	40.46	39.04

Notes:
Wells resurveyed as needed after work that changes top of casing elevation.

BTOC	Below Top of Casing
MSL	Mean Sea Level
RWQCB	California Regional Water Quality Control Board - San Francisco Region
USEPA	United States Environmental Protection Agency
NM	Well not measured due to inaccessibility.
NS	Not Surveyed
NA	Not Applicable
NAVD88	North American Vertical Datum 1988
NGVD29	National Geodetic Vertical Datum 1929

+ = Measurement taken by Advanced Micro Devices, Inc. (AMD).
* = Data from October 2010 groundwater sampling event used.
Highlighted data corresponds to the October 2020 event for each well.

Appendix C – Historical Groundwater Analytical Results

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-1A (ZA)		Aug-83	ND<1.0	660	--	--	ND	4	ND<1.0	ND<1.0	--	--	--	ND<1.0		ND	--	--	--	--	--
T-1A		Sep-83	7	1,000	--	--	--	5	ND	ND<1.0	--	--	--	ND		--	--	--	--	--	--
T-1A		Sep-83	3	540	--	--	--	3	ND	ND<1.0	--	--	--	ND		--	--	--	--	--	--
T-1A		Mar-84	--	680	--	--	--	--	--	--	--	--	--	--		--	--	--	--	--	--
T-1A		Aug-84	5	950	--	--	ND	7	ND	ND	--	--	--	ND		ND	--	--	--	--	--
T-1A		Nov-84	4	930	--	--	--	5	--	--	--	--	--	--		--	--	--	--	--	--
T-1A		Oct-85	10	640	--	--	ND<5.0	30	ND<5.0	ND<5.0	--	--	--	ND<5.0		ND<5.0	--	--	--	--	--
T-1A		Jan-86	ND<5.0	630	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--		ND<5.0	--	--	--	--	--
T-1A		Apr-86	ND<2.0	340	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	ND<2.0		ND<2.0	--	--	--	--	--
T-1A		Jul-86	ND<1.0	140	--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	ND<1.0		ND<1.0	--	--	--	--	--
T-1A		Sep-86	ND<2.0	420	--	--	ND<2.0	5	ND<2.0	ND<2.0	--	--	--	ND<2.0		ND<2.0	--	--	--	--	--
T-1A		Jan-87	ND<10	140	--	--	ND<10	ND<10	ND<10	ND<10	--	--	--	ND<10		ND<10	--	--	--	--	--
T-1A		Apr-87	ND<2.5	160	--	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	--	--	ND<2.5		ND<2.5	--	--	--	--	--
T-1A		Jun-87	ND<1.0	190	--	--	ND<1.0	7.0	ND<1.0	ND<1.0	--	--	--	ND<1.0		ND<1.0	--	--	--	--	--
T-1A		Oct-87	ND<2.5	160	--	--	ND<2.5	8.6	ND<2.5	ND<2.5	--	--	--	ND<2.5		ND<2.5	--	--	--	--	--
T-1A		Jan-88	ND<1.0	200	--	--	ND<1.0	3.1	ND<1.0	1.5	--	--	--	9.1		ND<1.0	--	--	--	--	--
T-1A		Jun-88	ND<0.5	56	--	--	ND<0.5	1.5	ND<0.5	ND<0.5	--	--	--	10		ND<0.5	--	--	--	--	--
T-1A		Aug-88	ND<1.0	60	--	--	ND<1.0	0.9	ND<1.0	ND<1.0	--	--	--	ND<1.0		ND<1.0	--	--	--	--	--
T-1A		Nov-88	ND<0.5	88	--	--	ND<0.5	0.5	ND<0.5	2.7	--	--	--	ND<0.5		ND<0.5	--	--	--	--	--
T-1A		Feb-89	ND<0.5	86	--	--	ND<0.5	ND<0.5	ND<0.5	1.3	--	--	--	ND<0.5		ND<0.5	--	--	--	--	--
T-1A		Aug-89	ND<0.5	87	--	--	ND<0.5	ND<0.5	ND<0.5	0.9	--	--	--	ND<0.5		ND<0.5	--	--	--	--	--
T-1A		Oct-89	ND<0.5	90	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<0.5		ND<0.5	--	--	--	--	--
T-1A		Apr-90	ND<0.5	110	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-1A		Oct-93	ND<5.0	120	--	--	ND<10	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-1A		Oct-94	ND<5.0	74	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-1A		Oct-95	ND<1.0	61	--	--	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-1A		Oct-96	ND<0.5	48	3.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-1A		Oct-97	ND<1.0	51	--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<2.0	ND	--	--	--	--
T-1A		Oct-98	ND<1.0	42	2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-1A		Oct-99	ND<1.0	34	--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-1A		Oct-00	ND<2.0	34	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND<2.0	ND	ND<2.0	ND<2.0	--	--	--	--
T-1A		Oct-01	ND<0.5	28	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<2.0	ND<0.5	ND<0.5	--	--	--	--
T-1A		Oct-02	ND<0.5	35	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<0.5	ND<2.0	ND<0.5	ND<0.5	--	--	--	--
T-1A		NA	Per Water Board approval, well T-1A was abandoned in February 2004.																		
T-2A (ZA)		Aug-83	86,000	6,100,000	--	--	ND<5.0	130	ND<5.0	ND<5.0	--	--	--	ND<5.0	ND	ND<5.0	--	--	--	--	--
T-2A		Sep-83	4,000	730,000	--	--	--	ND	ND	ND	--	--	--	ND	ND	--	--	--	--	--	--
T-2A		Sep-83	7,000	890,000	--	--	--	ND	ND	ND	--	--	--	ND	ND	--	--	--	--	--	--
T-2A		Mar-84	--	13,000	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
T-2A		Aug-84	8,600	190,000	--	--	300	ND	600	ND	--	--	--	ND	ND	ND	--	--	--	--	--
T-2A		Nov-84	5,400	520,000	--	--	--	ND<500	--	--	--	--	--	--	ND	--	--	--	--	--	--
T-2A		Oct-85	4,600	12,000	--	--	ND<50	ND<50	ND<50	ND<50	--	--	--	ND<50	ND	ND<50	--	--	--	--	--
T-2A		Mar-86	ND<100	9,800	--	--	ND<100	ND<100	ND<100	ND<100	--	--	--	--	ND	ND<100	--	--	--	--	--
T-2A		Apr-86	3,700	15,000	--	--	650	ND<100	ND<100	ND<100	--	--	--	--	ND	ND<100	--	--	--	--	--
T-2A		Apr-86	1,700	10,000	--	--	740	ND<100	ND<100	ND<100	--	--	--	ND<100	ND	ND<100	--	--	--	--	--
T-2A		Jul-86	980	6,400	--	--	540	ND<50	ND<50	ND<50	--	--	--	ND<50	ND	650	--	--	--	--	--
T-2A		Jan-87	380	2,900	--	--	ND<50	ND<50	ND<50	ND<50	--	--	--	ND<50	ND	610	--	--	--	--	--
T-2A		Oct-87	190	980	--	--	40	7.5	ND<5.0	ND<5.0	--	--	--	ND<5.0	ND	46	--	--	--	--	--
T-2A		Jun-88	610	4,000	--	--	4,600	ND<50	ND<50	ND<50	--	--	--	ND<50	ND	ND<50	--	--	--	--	--
T-2A		Jun-88	530	3,200	--	--	4,000	1.6	15	1.4	--	--	--	ND<5.0	ND	32	--	--	--	--	--
T-2A		Aug-88	250	1,400	--	--	11,000	ND<100	ND<100	ND<100	--	--	--	ND<100	ND	ND<100	--	--	--	--	--
T-2A		Nov-88	260	1,300	--	--	18,000	ND<100	ND<100	ND<100	--	--	--	ND<100	ND	ND<100	--	--	--	--	--
T-2A		Nov-88	ND<10	1,300	--	--	3,600	ND<10	ND<10	ND<10	--	--	--	ND<10	ND	ND<10	--	--	--	--	--
T-2A		Feb-89	220	620	--	--	ND<10	ND<10	ND<10	ND<10	--	--	--	380	ND	ND<10	--	--	--	--	--
T-2A		May-89	140	470	--	--	340	ND<5.0	ND<5.0	ND<5.0	--	--	--	ND<5.0	ND	ND<5.0	--	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-2A		Aug-89	41	2,300	--	--	ND<10	ND<10	ND<10	ND<10	--	--	--	18	ND	ND<10	--	--	--	--	--
T-2A		Oct-89	84	230	--	--	220	ND<1.0	3	ND<1.0	--	--	--	ND<1.0	ND	79	--	--	--	--	--
T-2A		Apr-90	40	160	--	--	7.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-2A		Jul-90	40	100	--	--	3.3	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	3.4	ND	--	--	--	--
T-2A		Apr-91	12	120	--	--	ND<1	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-2A		Jan-92	0.8	42	--	--	4.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-2A		Apr-92	30	4,400	--	--	120	ND<20	ND<20	ND<20	ND	ND	ND	ND<20	ND	ND<20	ND	--	--	--	--
T-2A		Oct-92	10	640	--	--	80	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	--	ND	2.1	ND	--	--	--	--
T-2A		Apr-93	18	1,300	--	--	14	ND<0.5	13	ND<0.5	ND	ND	ND	--	ND	ND<0.5	ND	--	--	--	--
T-2A		Oct-93	16	5,800	--	--	300	ND<5.0	49	ND<5.0	ND	ND	ND	ND<5.0	ND	23	ND	--	--	--	--
T-2A		Feb-94	6.3	1,900	--	--	260	ND<0.5	32	1.1	ND	ND	ND	1.9	ND	9.6	ND	--	--	--	--
T-2A		Apr-94	3.9	1,600	--	--	120	ND<0.5	21	ND<0.5	ND	ND	ND	ND<0.5	ND	2.2	ND	--	--	--	--
T-2A		Oct-94	ND<25	320	--	--	ND<25	ND<25	ND<25	ND<25	ND	ND	ND	ND<25	ND	ND<25	ND	--	--	--	--
T-2A		Apr-95	18	280	--	--	ND<10	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-2A		Oct-95	14	190	--	--	13	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	ND<2.0	ND	ND<2.0	ND	--	--	--	--
T-2A		Oct-96	3.3	71	97	1.0	9.5	ND<0.5	0.6	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-2A		Apr-97	37	330	250	4.4	3.1	ND<1.7	2.1	ND<1.7	ND	ND	ND	1.8	ND	ND<1.7	ND	--	--	--	--
T-2A		Oct-97	71	470	320	ND<25	ND<25	ND<25	ND<25	ND<25	ND	ND	ND	ND<25	ND	ND<50	ND<50	--	--	--	--
T-2A		Apr-98	20	440	150	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND	ND	ND<40	ND	ND<10	ND<25	--	--	--	--
T-2A		Oct-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
T-2A		Apr-99	20	210	160	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<10	ND<25	--	--	--	--
T-2A		Oct-99	27	270	220	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND<10	--	--	--	--
T-2A		Oct-00	ND<20	160	520	ND<20	330	ND<20	ND<20	ND<20	ND<20	ND	ND	ND<20	ND	ND<20	ND<20	--	--	--	--
T-2A		Jan-01	11	120	330	4.2	86	2.3	1.3	ND<1.0	ND	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-2A		Mar-01	13	110	360	5.3	400	1.6	1.2	ND<1.0	ND	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-2A		Jun-01	1.1	5.4	57	5.2	620	ND<1.0	1.2	1.9	ND	4.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-2A		Aug-01	19	88	400	8.6	690	ND<1.0	ND<1.0	1.1	ND	ND<2.0	ND<2.0	--	ND	--	2.9	--	1.8	ND<1.0	5.4
T-2A		Oct-01	ND<50	480	230	ND<50	310	ND<50	ND<50	ND<50	ND<50	ND<100	ND<100	ND<100	ND<50	--	ND<50	--	ND<50	ND<50	ND<100
T-2A		Nov-01	10	140	180	6.7	460	ND<5.0	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	ND<5.0	ND<10
T-2A		Jan-02	ND<13	110	210	ND<13	240	ND<13	ND<13	ND<13	ND	ND<25	ND<13	--	ND	20	ND<13	--	--	--	--
T-2A		Apr-02	ND<1.0	4.2	45	ND<1.0	76	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	76	--	ND<1.0	ND<1.0	ND<2.0
T-2A		Jul-02	ND<1.0	32	94	6.7	140	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	--	--	7.1	--	ND<1.0	ND<1.0	ND<2.0
T-2A		Oct-02	1.2	28	31	2	37	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	28	ND<1.0	ND<1.0	ND<1.0	3.9
T-2A		Jan-03	ND<1.0	16	12	1.1	24	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	16	--	--	--	--
T-2A		Apr-03	ND<1.0	15	7.3	ND<1.0	13	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	6.6	--	ND<1.0	ND<1.0	ND<2.0
T-2A		Jul-03	ND<1.0	2.5	17	ND<1.0	48	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	14	--	19	ND<1.0	3.8
T-2A		Oct-03	ND<5.0	6.3	66	ND<5.0	130	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	24	ND<5.0	ND<5.0	ND<5.0	ND<10
T-2A		Jan-04	ND<5.0	ND<5.0	ND<5.0	ND<5.0	9.7	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
T-2A		Apr-04	ND<1.0	4.4	59	ND<1.0	30	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
T-2A		Oct-04	ND<5.0	ND<5.0	200	69	100	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	46	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2A		Jan-05	ND<5.0	ND<5.0	150	100	49	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	30	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2A		Apr-05	ND<5.0	9.4	13	9.0	23	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	13	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2A		Jul-05	ND<5.0	ND<5.0	110	96	50	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	60	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2A		Oct-05	ND<5.0	ND<5.0	45	49	22	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	18	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2A		Jan-06	ND<5.0	ND<5.0	220	190	120	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	39	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2A		Apr-06	ND<5.0	ND<5.0	170	110	35	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	14	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2A		Oct-06	ND<5.0	ND<5.0	580	270	140	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	41	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2A		Apr-07	ND<5.0	25	180	ND<5.0	65	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2A		Oct-07	ND<5.0	ND<5.0	650	280	200	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	48	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2A		Oct-08	ND<1	2.4	--	--	52	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	ND<2	9.4	31	ND<1	ND<1	ND<1	ND<2
T-2A		Oct-09	ND<20	ND<20	--	--	1,100	ND<20	ND<20	ND<20	ND<20	ND<40	ND<20	ND<20	ND<40	ND<20	46	ND<20	ND<20	ND<20	ND<40
T-2A		Oct-10	ND<20	ND<20	8,700	75	5,400	ND<20	ND<20	ND<20	ND<20	ND<40	ND<20	ND<20	ND<40	23	140	ND<20	ND<20	ND<20	ND<40
T-2A		Nov-10	ND<50	ND<50	3,200	ND<50	2,700	ND<50	ND<50	ND<50	ND<50	ND<100	ND<50	ND<50	ND<100	57	120	--	--	--	--
T-2A		Mar-11	ND<0.50	0.68	7	2.5	31	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.2	57	ND<0.50	1.7	ND<0.50	4.8

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-2A		May-11	ND<0.50	0.52	3	2.3	5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.7	39	ND<0.50	ND<0.50	ND<0.50	ND<0.50
T-2A		Oct-11	ND<0.50	ND<0.50	12	6	11	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	3.4	74	ND<0.50	1.7	0.94	5.3
T-2A		Apr-12	ND<0.50	0.84	34	16	27	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	6.1	47	ND<0.50	1.1	0.57	1.8
T-2A		Oct-12	ND<0.50	ND<0.50	120	48	67	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	8.9	78	ND<0.50	1.9	0.53	2.6
T-2A		May-13	ND<0.50	0.53	130	35	68	ND<0.50	ND<0.50	ND<0.50		ND<1.0	ND<0.50	ND<0.50	ND<1.0	5.8	43	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-2A	Dup	May-18	ND<0.50	0.59	160	35	81	ND<0.50	ND<0.50	ND<0.50		ND<1.0	ND<0.50	ND<0.50	ND<1.0	6.6	47	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-2A		Oct-13	ND<0.50	0.76	340	86	430	ND<0.50	ND<0.50	ND<0.50		ND<1.0	ND<0.50	ND<0.50	ND<1.0	19	85	--	--	--	--
T-2A		Apr-14	ND<5.0	ND<5.0	850	57	670	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<10	20	120	ND<5.0	ND<5.0	ND<5.0	ND<10
T-2A	Dup	Apr-18	ND<5.0	ND<5.0	680	51	540	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<10	17	110	ND<5.0	ND<5.0	ND<5.0	ND<10
T-2A		Sep-14	ND<5.0	ND<5.0	190	50	590	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<10	19	150	--	--	--	--
T-2A		NA	Per United States Environmental Protection Agency approval, well T-2A was abandoned in November 2014.																		
T-3A (ZA)		Aug-83	1,100	1,600	--	--	ND<5.0	0.2	ND<5.0	ND<5.0	--	--	--	ND<5.0	ND	ND<5.0	--	--	--	--	--
T-3A		Sep-83	560	300	--	--	--	16	ND	ND<1.0	--	--	--	52	ND	--	--	--	--	--	--
T-3A		Sep-83	580	290	--	--	--	16	--	ND<1.0	--	--	--	35	ND	--	--	--	--	--	--
T-3A		Mar-84	--	240	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
T-3A		Aug-84	210	530	--	--	ND	13	ND	2	--	--	--	ND	ND	ND	--	--	--	--	--
T-3A		Nov-84	260	1,300	--	--	--	42	--	--	--	--	--	--	ND	--	--	--	--	--	--
T-3A		Oct-85	170	3,100	--	--	ND<50	95	ND<50	ND<50	--	--	--	480	ND	ND<50	--	--	--	--	--
T-3A		Oct-85	ND<25	2,700	--	--	ND<25	ND<25	ND<25	ND<25	--	--	--	ND<25	ND	ND<25	--	--	--	--	--
T-3A		Apr-86	91	1,500	--	--	ND<1.0	12	ND<1.0	ND<1.0	--	--	--	ND<1.0	ND	ND<1.0	--	--	--	--	--
T-3A		Jul-86	180	1,800	--	--	ND<10	ND<10	ND<10	ND<10	--	--	--	ND<10	ND	ND<10	--	--	--	--	--
T-3A		Sep-86	15	560	--	--	ND<2.0	15	ND<2.0	ND<2.0	--	--	--	ND<2.0	ND	ND<2.0	--	--	--	--	--
T-3A		Jan-87	ND<10	3,000	--	--	ND<10	ND<10	ND<10	ND<10	--	--	--	ND<10	ND	ND<10	--	--	--	--	--
T-3A		Apr-87	20	920	--	--	ND<10	100	12	ND<10	--	--	--	86	ND	ND<10	--	--	--	--	--
T-3A		Jun-87	24	900	--	--	ND<10	72	ND<10	ND<10	--	--	--	ND<10	ND	ND<10	--	--	--	--	--
T-3A		Oct-87	15	460	--	--	ND<2.5	16	ND<2.5	ND<2.5	--	--	--	ND<2.5	ND	ND<2.5	--	--	--	--	--
T-3A		Jan-88	0.7	4	--	--	ND<0.5	0.6	ND<0.5	ND<0.5	--	--	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-3A		Jan-88	0.5	2	--	--	ND<0.1	0.2	ND<0.1	ND<0.1	--	--	--	ND<0.1	ND	ND<0.2	--	--	--	--	--
T-3A		May-88	0.4	2	--	--	ND<0.1	0.2	ND<0.1	ND<0.1	--	--	--	ND<0.1	ND	ND<0.2	--	--	--	--	--
T-3A		May-88	0.4	2	--	--	ND<0.1	0.2	ND<0.1	ND<0.1	--	--	--	ND<0.1	ND	ND<0.1	--	--	--	--	--
T-3A		Aug-88	0.5	5	--	--	ND<0.5	1.1	ND<0.5	ND<0.5	--	--	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-3A		Nov-88	ND<0.5	4	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-3A		Feb-89	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-3A		May-89	ND<1.0	2	--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	ND<1.0	ND	ND<1.0	--	--	--	--	--
T-3A		Aug-89	0.7	5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-3A		Oct-89	ND<0.5	4	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-3A		Jan-90	ND<0.5	8.2	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-3A		Apr-90	ND<0.5	1.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-3A		Jul-90	ND<0.5	4.6	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-3A		Oct-90	1.4	11	--	--	ND<0.5	4.2	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-3A		Jan-91	1.4	7.4	--	--	ND<0.5	0.7	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-3A		Apr-91	2.1	10	--	--	ND<0.5	3.1	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-3A		Jul-91	3.2	19	--	--	ND<0.5	6.2	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-3A		Oct-91	5.8	25	--	--	ND<0.5	5.4	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-3A		Jan-92	2.0	11	--	--	ND<0.5	2.3	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-3A		Apr-92	4.7	17	--	--	ND<0.5	5.9	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-3A		Oct-92	1.1	3.0	--	--	ND<1.0	1.7	ND<0.5	ND<0.5	ND	ND	ND	--	ND	ND<0.5	ND	--	--	--	--
T-3A		Oct-93	ND<5.0	280	--	--	ND<10	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-3A		Feb-94	3.7	130	--	--	ND<1.0	4.6	ND<0.5	1.2	ND	ND	ND	1.7	ND	ND<0.5	ND	--	--	--	--
T-3A		Oct-94	ND<5.0	170	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-3A		Oct-95	2.9	180	--	--	ND<2.0	3.1	ND<1.0	1.1	ND	ND	ND	1.9	ND	ND<1.0	ND	--	--	--	--
T-3A		Oct-96	2.0	110	52	0.6	ND<0.5	0.9	ND<0.5	ND<0.5	ND	ND	ND	0.8	ND	ND<0.5	ND	--	--	--	--
T-3A		Oct-97	ND<5.0	180	100	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<10	ND	--	--	--	--
T-3A		Oct-98	ND<5.0	140	84	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-3A		Oct-99	2.1	95	78	ND<2.0	9	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	ND<2.0	ND	ND<2.0	ND	--	--	--	--
T-3A		Oct-00	ND<10	140	71	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND	ND<10	ND	ND<10	ND<10	--	--	--	--
T-3A		Oct-01	ND<5.0	130	48	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	--	--	--	--
T-3A		Oct-02	ND<2.0	180	17	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	ND<4.0	ND<2.0	ND<8.0	ND<2.0	ND<2.0	--	--	--	--
T-3A		Oct-03	ND<5.0	150	43	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-3A		Oct-04	2.3	130	41	1.7	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<4.0	ND<1.0	ND<1.0	--	--	--	--
T-3A		Oct-05	4.1	180	48	1.3	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--
T-3A		Oct-06	3.7	230	49	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--
T-3A		Oct-07	ND<5.0	210	15	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-3A		Oct-08	ND<2	140	8.0	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<4	ND<2	ND<2	ND<4	ND<2	ND<2	ND<2	ND<2	ND<2	ND<4
T-3A		Oct-09	1.7	170	44	2.2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-3A		Oct-10	1.1	120	42	1.4	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-3A		Oct-11	1.8	120	38	1.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-3A		Oct-12	ND<1.0	120	38	1.9	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0
T-3A		Oct-13	1.9	250	88	2.6	ND<1.0	ND<1.0	0.70 J	ND<1.0	--	ND<2.0	ND<1.0	0.61 J	ND<2.0	ND<1.0	ND<1.0	--	--	--	--
T-3A		Apr-14	1.3	140	51	1.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-3A		Sep-14	1.2	130	65	1.3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-3A		NA	Per United States Environmental Protection Agency approval, well T-3A was abandoned in November 2014.																		
T-6A (ZA)		Mar-84	--	27	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
T-6A		Oct-85	ND<0.5	68.5	--	--	ND<0.5	12	ND<0.5	ND<0.5	--	--	--	21	ND	ND<0.5	--	--	--	--	--
T-6A		Jan-87	ND<10	52	--	--	ND<10	ND<10	ND<10	ND<10	--	--	--	37	ND	ND<10	--	--	--	--	--
T-6A		Jan-88	ND<0.5	21	--	--	ND<0.5	2.6	ND<0.5	ND<0.5	--	--	--	2.1	ND	ND<0.5	--	--	--	--	--
T-6A		May-88	ND<0.5	13	--	--	ND<0.5	2.5	ND<0.5	ND<0.5	--	--	--	2.1	ND	ND<0.5	--	--	--	--	--
T-6A		Aug-89	ND<0.5	14	--	--	ND<0.5	0.6	ND<0.5	ND<0.5	--	--	--	0.7	ND	ND<0.5	--	--	--	--	--
T-6A		Oct-90	ND<0.5	9.0	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-6A		Oct-91	ND<0.5	7.8	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-6A		Oct-92	ND<0.5	5.6	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	--	ND	ND<0.5	ND	--	--	--	--
T-6A		Oct-93	ND<0.5	6.3	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-6A		Oct-94	ND<5.0	19	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-6A		Oct-95	ND<1.0	6.5	--	--	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-6A		Oct-96	ND<0.5	7.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	0.8	ND	ND<0.5	ND	--	--	--	--
T-6A		Oct-97	ND<0.5	7.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	0.6	ND	ND<1.0	ND	--	--	--	--
T-6A		Oct-98	ND<1.0	9.4	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-6A		Oct-99	ND<1.0	9.4	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-6A		Oct-00	ND<1.0	7.3	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND<1.0	ND	ND<1.0	ND<1.0	--	--	--	--
T-6A		Oct-01	ND<0.5	9.2	1.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<2.0	ND<0.5	ND<0.5	--	--	--	--
T-6A		Oct-02	0.72	9.3	2.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<0.5	ND<2.0	ND<0.5	ND<0.5	--	--	--	--
T-6A		Oct-03	0.61	8.5	2.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<0.5	ND<2.0	ND<0.5	ND<0.5	--	--	--	--
T-6A		Oct-04	ND<0.5	14	30	0.92	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<0.5	ND<2.0	ND<0.5	ND<0.5	--	--	--	--
T-6A		Oct-05	ND<0.5	21	28	0.51	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	--
T-6A		Oct-06	ND<0.5	24	22	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	--
T-6A		Oct-07	ND<0.5	22	17	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	0.62	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0
T-6A		NA	Per RWQCB approval, well T-6A was removed from monitoring program in 2009.																		
T-7A (ZA)		Aug-84	120	6,800	--	--	ND	ND	ND	ND	--	--	--	ND	ND	ND	--	--	--	--	--
T-7A		Nov-84	15	3,100	--	--	--	22	--	--	--	--	--	--	ND	--	--	--	--	--	--
T-7A		Oct-85	28	3,800	--	--	340	87	ND<50	ND<50	--	--	--	ND<50	ND	ND<50	--	--	--	--	--
T-7A		Oct-85	ND<50	3,600	--	--	ND<50	ND<50	ND<50	ND<50	--	--	--	690	ND	ND<50	--	--	--	--	--
T-7A		Jan-86	ND<25	2,500	--	--	ND<25	ND<25	ND<25	ND<25	--	--	--	--	ND	ND<25	--	--	--	--	--
T-7A		Apr-86	ND<10	1,400	--	--	ND<10	ND<10	1,800	ND<10	--	--	--	ND<10	ND	ND<10	--	--	--	--	--
T-7A		Jul-86	ND<25	3,300	--	--	ND<25	ND<25	ND<25	ND<25	--	--	--	ND<25	ND	ND<25	--	--	--	--	--
T-7A		Sep-86	ND<12	2,200	--	--	ND<12	ND<12	ND<12	ND<12	--	--	--	ND<12	ND	ND<12	--	--	--	--	--
T-7A		Jan-87	ND<10	3,000	--	--	ND<10	ND<10	ND<10	ND<10	--	--	--	ND<10	ND	ND<10	--	--	--	--	--
T-7A		Apr-87	ND<25	2,800	--	--	ND<25	ND<25	59	ND<25	--	--	--	ND<25	ND	ND<25	--	--	--	--	--
T-7A		Jun-87	ND<25	3,000	--	--	ND<25	ND<25	ND<25	ND<25	--	--	--	ND<25	ND	ND<25	--	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-7A		Oct-87	ND<25	2,700	--	--	ND<25	ND<25	ND<25	ND<25	--	--	--	ND<25	ND	ND<25	--	--	--	--	--
T-7A		Jan-88	ND<50	3,200	--	--	ND<50	ND<50	ND<50	ND<50	--	--	--	ND<50	ND	ND<50	--	--	--	--	--
T-7A		Jun-88	ND<25	1,200	--	--	ND<25	ND<25	ND<25	ND<25	--	--	--	360	ND	ND<25	--	--	--	--	--
T-7A		Aug-88	ND<10	970	--	--	ND<10	ND<10	ND<10	ND<10	--	--	--	ND<10	ND	ND<10	--	--	--	--	--
T-7A		Nov-88	ND<10	1,200	--	--	ND<10	ND<10	ND<10	ND<10	--	--	--	ND<10	ND	ND<10	--	--	--	--	--
T-7A		Feb-89	ND<25	1,200	--	--	ND<25	ND<25	ND<25	ND<25	--	--	--	ND<25	ND	ND<25	--	--	--	--	--
T-7A		Feb-89	ND<25	1,100	--	--	ND<25	ND<25	ND<25	ND<25	--	--	--	ND<25	ND	ND<25	--	--	--	--	--
T-7A		May-89	5.7	1,300	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	ND<5.0	ND	ND<5.0	--	--	--	--	--
T-7A		Aug-89	ND<10	1,400	--	--	ND<10	38	ND<10	ND<10	--	--	--	ND<10	ND	ND<10	--	--	--	--	--
T-7A		Oct-89	ND<5.0	1,000	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	ND<10	ND	ND<5.0	--	--	--	--	--
T-7A		Oct-89	6	820	--	--	ND<2.0	5	ND<2.0	ND<2.0	--	--	--	ND<2.0	ND	ND<2.0	--	--	--	--	--
T-7A		Jan-90	ND<10	1,300	--	--	ND<10	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<10	ND	--	--	--	--
T-7A		Apr-90	ND<10	1,300	--	--	ND<10	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<10	ND	--	--	--	--
T-7A		Jul-90	ND<20	810	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	ND<20	ND	ND<20	ND	--	--	--	--
T-7A		Oct-90	ND<5.0	820	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-7A		Apr-91	ND<5.0	720	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-7A		Jul-91	10	720	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	14	ND	ND<5.0	ND	--	--	--	--
T-7A		Jan-92	ND<10	1,200	--	--	ND<10	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<10	ND	--	--	--	--
T-7A		Apr-92	5.0	980	--	--	ND<0.5	3	1	2	ND	ND	ND	1	ND	ND<0.5	ND	--	--	--	--
T-7A		Oct-92	2.4	670	--	--	ND<1.0	2	ND<0.5	1	ND	ND	ND	--	ND	ND<0.5	ND	--	--	--	--
T-7A		Oct-93	ND<5.0	480	--	--	ND<10	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-7A		Oct-94	450	1,700	--	--	ND<250	ND<250	ND<250	ND<250	ND	ND	ND	ND<250	ND	ND<250	ND	--	--	--	--
T-7A		Nov-94	ND<25	410	--	--	ND<25	ND<25	ND<25	ND<25	ND	ND	ND	ND<25	ND	ND<25	ND	--	--	--	--
T-7A		Oct-95	ND<5.0	400	--	--	ND<10	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	5.9	ND	ND<5.0	ND	--	--	--	--
T-7A		Oct-96	1.8	260	32	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	1.5	ND	ND<1.0	ND	--	--	--	--
T-7A		Oct-97	ND<10	270	33	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<20	ND<50	--	--	--	--
T-7A		Oct-98	ND<5.0	200	18	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND<25	--	--	--	--
T-7A		Oct-99	ND<2.0	130	21	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	ND<2.0	ND	ND<2.0	ND<2.0	--	--	--	--
T-7A	Dup	Oct-99	ND<2.0	140	20	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	ND<2.0	ND	ND<2.0	ND	--	--	--	--
T-7A		Oct-00	ND<10	120	87	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND	ND<10	ND	ND<10	ND<10	--	--	--	--
T-7A		Jun-01	1.6	220	76	1.4	ND<2.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	1.2	ND<2.0
T-7A		Oct-01	ND<5.0	260	71	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	--	--	--	--
T-7A		Jan-02	ND<10	290	120	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND<20	ND<10	ND<10	ND	ND<10	ND<10	--	--	--	--
T-7A		Apr-02	ND<10	350	160	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND<20	ND<10	ND<10	ND	ND<10	ND<10	--	--	--	--
T-7A		Oct-02	ND<5.0	510	190	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<10	ND<5.0	ND<20	ND<5.0	ND<5.0	--	--	--	--
T-7A		Apr-03	ND<1.0	430	210	2.6	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-7A		Oct-03 (1)	ND<5.0	480	268	8.7	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-7A		Apr-04	2.0	340	170	4.4	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0
T-7A		Oct-04	ND<2.0	370	110	4.6	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	ND<4.0	ND<2.0	ND<8.0	ND<2.0	ND<2.0	--	--	--	--
T-7A		Oct-05	ND<2.0	340	130	3.3	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--
T-7A		Apr-06	ND<5.0	360	180	9.9	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-7A		Jul-06	ND<5.0	450	140	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-7A		Oct-06	ND<4.0	330	85	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<8.0	ND<4.0	ND<4.0	ND<8.0	ND<4.0	ND<4.0	--	--	--	--
T-7A	Dup	Oct-18	ND<2.0	320	76	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	ND<2.0	ND<2.0	ND<4.0	ND<2.0	ND<2.0	--	--	--	--
T-7A		Jan-07	--	430	120	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-7A		May-07	ND<5.0	290	100	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	5.4	ND<5.0	ND<5.0	ND<5.0	ND<15
T-7A		Oct-07	ND<5.0	370	80	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-7A	Dup	Oct-07	ND<5.0	380	81	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-7A		Oct-08	ND<4	370	79	4.2	ND<4	ND<4	ND<4	ND<4	ND<4	ND<8	ND<4	ND<4	ND<8	ND<4	ND<4	ND<4	ND<4	ND<4	ND<8
T-7A	Dup	Oct-18	ND<4	330	75	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<8	ND<4	ND<4	ND<8	ND<4	ND<4	ND<4	ND<4	ND<4	ND<8
T-7A		Oct-09	1.6	180	52	2.4	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-7A	Dup	Oct-18	1.6	180	54	1.9	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-7A		Oct-10	ND<5.0	220	56	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-7A	Dup	Oct-18	ND<5.0	190	51	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-7A		Oct-11	0.67	140	180	2.1	1.8	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-7A	Dup	Oct-18	ND<2.5	140	170	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0
T-7A		Oct-12	ND<2.5	56/63	230	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0
T-7A		Oct-13	1.6 J	240	77	1.7 J	ND<2.5	ND<2.5	ND<2.5	ND<2.5		ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	--	--	--	--
T-7A	Dup	Oct-18	1.7 J	250	81	1.8 J	ND<2.5	ND<2.5	ND<2.5	ND<2.5		ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	--	--	--	--
T-7A		Oct-14	ND<2.5	230	75	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	--	--	--	--
T-7A	Dup	Oct-18	ND<2.5	170	64	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	--	--	--	--
T-7A		Jun-15	1	220	83	2	ND<0.50	ND<0.50	1	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-7A	Dup	Oct-18	ND<5.0	190	90	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	**P-02**	ND<5.0	ND<5.0	--	--	--	--
T-7A		Oct-15	ND<2.5	170	79	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	--	--	--	--
T-7A		May-16	ND<2.5	140	81	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	--	--	--	--
T-7A	Dup	Oct-18	ND<2.5	170	100	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	--	--	--	--
T-7A		Oct-16	ND<2.5	190	80	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	--	--	--	--
T-7A		Oct-17	ND<2.5	160	84	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	--	--	--	--
T-7A	Dup	Oct-17	ND<2.5	160	82	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	--	--	--	--
T-7A		Oct-18	1.4	**140**	**81**	1.3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	1.5	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-7A	Dup	Oct-18	1.5	**150**	**82**	1.3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	1.6	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-7A		Oct-19	1.5	**170**	**120**	2.0	ND<0.50	ND<0.50	0.73	0.28 J	ND<0.50	ND<0.50	ND<1.0	2.6	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-7A	Dup	Oct-19	1.5	**170**	**120**	1.9	ND<0.50	ND<0.50	0.74	0.28 J	ND<0.50	ND<0.50	ND<1.0	2.6	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-7A		Oct-20	0.66 J	**110**	**100**	1.4	ND<1.0	ND<1.0	0.42 J	0.22 J	ND<1.0	ND<2.0	ND<2.0	2.4	ND<2.0	ND<1.0	ND<1.0	--	--	--	--
T-7A (Dup)	Dup	Oct-20	0.80 J	**130**	**110**	1.4	ND<1.0	ND<1.0	0.49 J	0.26 J	ND<1.0	ND<2.0	ND<2.0	3.1	ND<2.0	ND<1.0	ND<1.0	--	--	--	--
T-8A (ZA)		Aug-84	130	2,800	--	--	ND	ND	ND	ND	--	--	--	ND	ND	ND	--	--	--	--	--
T-8A		Nov-84	37	2,200	--	--	--	9.8	--	--	--	--	--	--	ND	--	--	--	--	--	--
T-8A		Oct-85	44	2,200	--	--	ND<25	77	ND<25	ND<25	--	--	--	320	ND	ND<25	--	--	--	--	--
T-8A		Apr-86	20	1,100	--	--	ND<10	ND<10	ND<10	ND<10	--	--	--	ND<10	ND	800	--	--	--	--	--
T-8A		Jul-86	ND<10	1,400	--	--	ND<10	ND<10	ND<10	ND<10	--	--	--	ND<10	ND	ND<10	--	--	--	--	--
T-8A		Jan-87	23	1,200	--	--	ND<5.0	24	ND<5.0	ND<5.0	--	--	--	ND<5.0	ND	53	--	--	--	--	--
T-8A		Jul-87	ND<10	1,700	--	--	ND<10	25	ND<10	ND<10	--	--	--	12	ND	ND<10	--	--	--	--	--
T-8A		Oct-87	9.8	690	--	--	ND<5.0	17	ND<5.0	ND<5.0	--	--	--	ND<5.0	ND	ND<5.0	--	--	--	--	--
T-8A		Oct-87	ND<0.5	830	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<1.0	ND	--	--	--	--	--	--
T-8A		Jan-88	23	570	--	--	ND<5.0	18	ND<5.0	ND<5.0	--	--	--	27	ND	ND<5.0	--	--	--	--	--
T-8A		Aug-88	9.0	370	--	--	ND<5.0	10	ND<5.0	ND<5.0	--	--	--	25	ND	ND<5.0	--	--	--	--	--
T-8A		Nov-88	7	260	--	--	ND<2.0	7	ND<2.0	ND<2.0	--	--	--	4	ND	9	--	--	--	--	--
T-8A		Feb-89	ND<10	200	--	--	ND<10	ND<10	ND<10	ND<10	--	--	--	ND<10	ND	ND<10	--	--	--	--	--
T-8A		Aug-89	14	340	--	--	ND<1.0	10	4	1	--	--	--	5	ND	ND<1.0	--	--	--	--	--
T-8A		Oct-89	7	250	--	--	2	7	2	ND<1.0	--	--	--	3	ND	8	--	--	--	--	--
T-8A		Feb-90	2.6	76	--	--	ND<0.5	1	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8A		Apr-90	3.0	99	--	--	ND<0.5	1	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8A		Jul-90	ND<2.0	120	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	ND<2.0	ND	ND<2.0	ND	--	--	--	--
T-8A		Oct-90	2.8	100	--	--	ND<0.5	4	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8A		Jan-91	1.0	100	--	--	ND<1.0	1	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-8A		Apr-91	ND<2.0	160	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	ND<2.0	ND	ND<2.0	ND	--	--	--	--
T-8A		Jul-91	4.6	110	--	--	ND<0.5	2	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8A		Apr-92	8.0	400	--	--	ND<2.0	19	ND<2.0	ND<2.0	ND	ND	ND	21	ND	ND<2.0	ND	--	--	--	--
T-8A		Oct-92	7.3	260	--	--	2	4	ND<0.5	ND<0.5	ND	ND	ND	--	ND	1	ND	--	--	--	--
T-8A		Apr-93	2.6	160	--	--	ND<5.0	4	ND<2.5	ND<2.5	ND	ND	ND	ND<2.5	ND	ND<2.5	ND	--	--	--	--
T-8A		Oct-93	ND<5.0	250	--	--	ND<10	7	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-8A		Apr-94	4.9	280	--	--	ND<0.5	8	3	ND<0.5	ND	ND	ND	3	ND	1	ND	--	--	--	--
T-8A		Oct-94	ND<25	300	--	--	ND<25	ND<25	ND<25	ND<25	ND	ND	ND	ND<25	ND	ND<25	ND	--	--	--	--
T-8A		Apr-95	ND<5.0	230	--	--	ND<10	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-8A		Oct-95	4.4	260	--	--	ND<4.0	4.9	2.1	ND<2.0	ND	ND	ND	4	ND	ND<2.0	ND	--	--	--	--
T-8A		Apr-96	4.0	230	--	--	ND<2.5	3	ND<2.5	ND<2.5	ND	ND	ND	ND<2.5	ND	ND<2.5	ND	--	--	--	--
T-8A		Oct-96	2.4	160	160	3.7	ND<0.5	2.3	0.8	1.1	ND	ND	ND	1.5	ND	2.2	ND	--	--	--	--
T-8A		Apr-97	3.8	200	160	12	ND<1.0	2.9	ND<1.0	1.3	ND	ND	ND	2.7	ND	2.2	ND	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-8A		Oct-97	ND<10	210	170	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<20	ND<10	--	--	--	--
T-8A		Apr-98	ND<5.0	170	110	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<20	ND	ND<5.0	ND<5.0	--	--	--	--
T-8A		Oct-98	3.0	110	120	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	ND<2.0	ND	ND<2.0	ND<2.0	--	--	--	--
T-8A		Apr-99	ND<10	110	72	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<10	ND<10	--	--	--	--
T-8A		Oct-99	2.6	130	77	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	ND<2.0	ND	ND<2.0	ND<2.0	--	--	--	--
T-8A		Oct-00	ND<10	150	64	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND	ND<10	ND	ND<10	ND<10	--	--	--	--
T-8A	Dup	Oct-00	ND<10	140	62	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND	ND<10	ND	ND<10	ND<10	--	--	--	--
T-8A		Jun-01	2.6	150	64	1.4	ND<2.0	1.6	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	2.2	ND<2.0
T-8A		Aug-01	5.9	180	72	1.4	ND<2.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-8A		Oct-01	2.8	190	68	1.4	ND<2.0	1.5	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-8A		Nov-01	ND<5.0	140	62	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND	--	ND<5.0	--	ND<5.0	ND<5.0	ND<10
T-8A		Jan-02	2.0	170	62	1.5	ND<2.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	6.8	2.7
T-8A		Mar-02	2.4	140	41	1.3	ND<2.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-8A		Jul-02	ND<1.0	120	44	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-8A		Oct-02	2.4	130	54	1.4	14	1.2	2.8	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	ND<1.0	1.3	ND<1.0	1.2	ND<2.0
T-8A		Jan-03	3.3	140	49	1.2	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<1.0	--	ND<1.0	--	--	--	--
T-8A		Mar-03	1.9	150	45	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-8A		Jul-03	2.0	150	41	1.2	ND<2.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-8A		Oct-03	ND<5.0	140	48	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-8A		Jan-04	ND<5.0	110	33	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-8A		Apr-04	3.2	120	45	2.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0
T-8A		Jul-04	ND<5.0	150	50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-8A		Oct-04	2.8	130	39	2.3	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<4.0	ND<1.0	ND<1.0	--	--	--	--
T-8A		Apr-05	ND<5.0	140	44	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8A		Jul-05	ND<5.0	170	58	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8A		Oct-05	ND<5.0	200	130	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8A		Jan-06	ND<5.0	63	44	ND<5.0	5.8	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8A		Apr-06	ND<5.0	86	83	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8A		Jul-06	ND<5.0	210	94	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8A		Oct-06	ND<5.0	57	34	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8A		Jan-07	8.2	180	81	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8A		Apr-07	ND<5.0	170	63	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8A		Oct-07	ND<5.0	59	71	ND<5.0	36.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8A		Oct-08	0.76	84	28	1.1	4.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1
T-8A		Feb-09	ND<0.50	21	23	1.4	9.2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-8A		Oct-09	0.54	36	33	3.2	21	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-8A		Apr-10	ND<0.50	43	26	2.1	3.7	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-8A		Oct-10	0.99	87	65	2.8	4.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-8A		Oct-11	1.6	140	69	2.1	1.3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-8A		Apr-12	1.1	110	67	1.1	0.88	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-8A		Oct-12	ND<2.5	160	82	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0
T-8A		May-13	1.5	110	58	2.8	0.71	ND<0.50	0.50	ND<0.50		ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-8A		Oct-13	2.0	110	57	3.6	0.91	0.25 J	0.69	0.46 J		ND<1.0	ND<0.50	0.56	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-8A		Apr-14	ND<2.5	130	63	2.8	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0
T-8A		Oct-14	1.7	110	56	2.6	ND<0.50	ND<0.50	0.55	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-8A		Jun-15	0.66	67	81	1.8	5.4	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-8A		Oct-15	0.82	62	100	1.7	2.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-8A		May-16	ND<0.50	19	110	1.6	3.1	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-8A		Oct-16	0.58	56	90	1.8	2.4	ND<0.50	0.6	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0 *F1	ND<0.50	ND<0.50	--	--	--	--
T-8A		Oct-17	0.6	45	110	1.7	6.0	ND<0.50	0.54	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-8A		Oct-18	0.67	**75**	**85**	1.3	**2.9**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-8A		Oct-19	0.66	**44**	**69**	1.1	**3.0**	ND<0.50	0.36 J	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-8A		Oct-20	0.81	**70**	**63**	1.5	**0.85**	ND<0.50	0.30 J	0.24 J	ND<0.50	ND<1.0	ND<1.0	0.22 J	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-9A (ZA)		Aug-84	280	2,000	--	--	3,500	ND	47	ND	--	--	--	ND	ND	ND	--	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-9A		Nov-84	31	1,800	--	--	--	12	--	--	--	--	--	--	ND	--	--	--	--	--	--
T-9A		Oct-85	320	5,600	--	--	ND<50	60	ND<50	ND<50	--	--	--	1,200	ND	ND<50	--	--	--	--	--
T-9A		Mar-86	120	1,100	--	--	710	ND<10	ND<10	ND<10	--	--	--	--	ND	ND<10	--	--	--	--	--
T-9A		Mar-86	ND<10	1,700	--	--	ND<10	ND<10	ND<10	ND<10	--	--	--	--	ND	ND<10	--	--	--	--	--
T-9A		Mar-86	ND<10	2,500	--	--	ND<10	ND<10	ND<10	ND<10	--	--	--	--	ND	ND<10	--	--	--	--	--
T-9A		Apr-86	ND<10	1,100	--	--	780	ND<10	ND<10	ND<10	--	--	--	ND<10	ND	ND<10	--	--	--	--	--
T-9A		Jul-86	21	1,100	--	--	540	ND<10	ND<10	ND<10	--	--	--	ND<10	ND	82	--	--	--	--	--
T-9A		Jul-87	ND<10	1,000	--	--	390	13	ND<10	ND<10	--	--	--	18	ND	36	--	--	--	--	--
T-9A		Oct-87	44	770	--	--	220	22	ND<5.0	ND<5.0	--	--	--	55	ND	ND<5.0	--	--	--	--	--
T-9A		Jan-88	ND<25	1,700	--	--	230	ND<25	ND<25	ND<25	--	--	--	ND<25	ND	ND<25	--	--	--	--	--
T-9A		May-88	25	1,000	--	--	170	26	13	ND<5.0	--	--	--	24	ND	63	--	--	--	--	--
T-9A		Oct-89	69	820	--	--	200	14	3	ND<2.0	--	--	--	ND<2.0	ND	110	--	--	--	--	--
T-9A		Feb-90	ND<50	2,800	--	--	ND<50	ND<50	ND<50	ND<50	ND	ND	ND	ND<50	ND	ND<50	ND	--	--	--	--
T-9A		Apr-90	30	2,600	--	--	120	ND<20	ND<20	ND<20	ND	ND	ND	ND<20	ND	ND<20	ND	--	--	--	--
T-9A		Jul-90	45	1,100	--	--	64	8.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	11	ND	--	--	--	--
T-9A		Oct-90	20	1,400	--	--	ND<10	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<10	ND	--	--	--	--
T-9A		Jan-91	30	1,700	--	--	ND<10	10	10	ND<10	ND	ND	ND	ND<10	ND	ND<10	ND	--	--	--	--
T-9A		Apr-91	20	1,000	--	--	ND<10	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	22	ND	--	--	--	--
T-9A		Jul-91	26	720	--	--	ND<5.0	17	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-9A		Jan-92	22	850	--	--	ND<5.0	24	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-9A		Apr-92	16	740	--	--	ND<5.0	18	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-9A		Oct-92	13	470	--	--	8.7	9.3	5.8	3.2	ND	ND	ND	--	ND	21	ND	--	--	--	--
T-9A		Apr-93	8.0	420	--	--	30	8.0	ND<5.0	ND<5.0	ND	ND	ND	5.0	ND	16	ND	--	--	--	--
T-9A		Oct-93	7.0	330	--	--	ND<10	8.0	ND<5.0	ND<5.0	ND	ND	ND	8.0	ND	17	ND	--	--	--	--
T-9A		Apr-94	9.2	270	--	--	6.7	12	9.1	2.3	ND	ND	ND	ND<0.5	ND	22	ND	--	--	--	--
T-9A		Oct-94	ND<25	260	--	--	ND<25	ND<25	ND<25	ND<25	ND	ND	ND	ND<25	ND	ND<25	ND	--	--	--	--
T-9A		Apr-95	4.7	180	--	--	ND<6.0	3.8	ND<3.0	ND<3.0	ND	ND	ND	ND<3.0	ND	12	ND	--	--	--	--
T-9A		Oct-95	5.7	210	--	--	ND<5.0	5.4	3.2	ND<2.5	ND	ND	ND	3.5	ND	14	ND	--	--	--	--
T-9A		Apr-96	6.2	240	--	--	ND<2.5	5.3	2.7	ND<2.5	ND	ND	ND	ND<2.5	ND	12	ND	--	--	--	--
T-9A		Oct-96	4.2	190	270	3.5	ND<1.0	4.4	2.7	1.7	ND	ND	ND	2.8	ND	11	ND	--	--	--	--
T-9A		Apr-97	5.0	200	250	16	1.4	3.9	1.9	1.7	ND	ND	ND	3.3	ND	9.8	ND	--	--	--	--
T-9A		Oct-97	ND<10	210	290	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<20	ND<10	--	--	--	--
T-9A		Apr-98	ND<5.0	150	170	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<20	ND	ND<5.0	ND<5.0	--	--	--	--
T-9A		Oct-98	3.4	130	150	2.1	ND<2.0	2.6	ND<2.0	ND<2.0	ND	ND	ND	ND<2.0	ND	6.0	ND<2.0	--	--	--	--
T-9A		Apr-99	ND<10	140	140	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<10	ND<10	--	--	--	--
T-9A		Oct-99	3.5	130	100	2.2	ND<2.0	2.4	ND<2.0	ND<2.0	ND	ND	ND	ND<2.0	ND	ND<2.0	ND<2.0	--	--	--	--
T-9A		Oct-00	ND<10	140	110	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND	ND<10	ND	ND<10	ND<10	--	--	--	--
T-9A	Dup	Oct-00	ND<10	140	110	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND	ND<10	ND	ND<10	ND<10	--	--	--	--
T-9A		Aug-01	ND<5.0	120	110	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	ND<25	ND	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
T-9A		Oct-01	ND<5.0	110	87	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<20	ND<20	ND<5.0	ND<5.0	--	--	--	--
T-9A		Jan-02	3.0	140	110	ND<2.5	11	ND<2.5	ND<2.5	ND<2.5	ND	ND<5.0	ND<2.5	ND<2.5	ND	3.9	ND<2.5	--	--	--	--
T-9A		Apr-02	3.0	130	100	ND<2.5	9.0	ND<2.5	ND<2.5	ND<2.5	ND	ND<5.0	ND<2.5	ND<2.5	ND	3.0	ND<2.5	--	--	--	--
T-9A		Jul-02	ND<2.5	120	95	ND<2.5	7.3	ND<2.5	ND<2.5	ND<2.5	ND	ND<5.0	ND<2.5	ND<2.5	ND	ND<2.5	ND<2.5	--	--	--	--
T-9A		Oct-02	ND<5.0	110	66	ND<5.0	8.1	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<10	ND<5.0	ND<20	ND<5.0	ND<5.0	--	--	--	--
T-9A		Apr-03	1.8	120	87	1.4	ND<2.0	1.1	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-9A		Oct-03	ND<5.0	120	81	ND<5.0	24	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-9A		Jan-04	ND<5.0	92	56	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-9A		Apr-04	2.9	85	81	2.3	7.2	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0
T-9A		Oct-04	ND<5.0	110	74	ND<5.0	5.3	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-9A		Jan-05	ND<5.0	120	92	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-9A		Apr-05	ND<5.0	7.5	320	ND<5.0	8.2	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-9A		Jul-05	ND<5.0	140	90	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-9A		Oct-05	ND<5.0	56	170	ND<5.0	7.3	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-9A		Jan-06	ND<5.0	56	140	ND<5.0	21	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-9A		Apr-06	ND<5.0	47	190	8.1	6.8	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-9A		Jul-06	ND<5.0	60	130	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-9A		Oct-06	ND<5.0	100	100	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-9A		Jan-07	ND<5.0	130	120	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-9A		May-07	ND<5.0	98	92	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-9A		Oct-07	ND<5.0	120	130	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-9A		Oct-08	1.3	50	98	2.7	1.2	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	ND<2	3.1	ND<1	ND<1	ND<1	ND<1	ND<2
T-9A		Oct-09	1.5	66	82	3.0	2.0	ND<0.50	0.58	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	4.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-9A		Oct-10	0.83	48	88	2.2	3.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-9A		Oct-11	1.6	73	100	2.9	2.2	ND<0.50	0.55	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	3.7	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-9A		Oct-12	0.9	50	82	3.3	0.91	ND<0.5	0.54	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<1.0	3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0
T-9A		Oct-13	0.97	67	74	2.9	0.81	ND<0.50	0.44 J	0.47 J		ND<1.0	ND<0.50	ND<0.50	ND<1.0	3.1	ND<0.50	--	--	--	--
T-9A		Oct-14	1.2	70	91	3.4	ND<0.50	ND<0.50	0.71	0.51	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	3.4	ND<0.50	--	--	--	--
T-9A		Oct-15	1	69	66	3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	3	ND<0.50	--	--	--	--
T-9A		May-16	0.88	56	81	2.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.6	ND<0.50	--	--	--	--
T-9A		Oct-16	1	64	78	3	1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	3	ND<0.50	--	--	--	--
T-9A		Oct-17	0.76	48	77	2.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.3	ND<0.50	--	--	--	--
T-9A		Oct-18	0.90	**48**	**75**	2.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.3	ND<0.50	--	--	--	--
T-9A		Oct-20	0.46 J	**31**	**91**	2.0	ND<1.0	ND<1.0	0.36 J	0.30 J	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	2.0	0.25 J	--	--	--	--
T-13A (ZA)		Nov-05	ND<5.0	200	98	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-13A		Jan-06	ND<5.0	210	98	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-13A		Apr-06	ND<5.0	180	140	6.2	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-13A		Jul-06	ND<5.0	200	120	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-13A		Oct-06	ND<5.0	210	99	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-13A		Jan-07	6.2	300	120	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-13A		Apr-07	ND<5.0	200	75	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-13A		Jul-07	ND<5.0	180	64	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-13A		Oct-07	ND<5.0	48	260	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-13A		Oct-08	ND<25	38	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<50	ND<25	ND<25	ND<50	ND<25	ND<25	ND<25	ND<25	3100	ND<50
T-13A		Feb-09	ND<0.50	30	32	2.1	8.3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.1	2.9	--	--	--	--
T-13A		Oct-09	ND<0.50	26	40	2.40	8.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.52	1.2	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-13A		Apr-10	ND<0.50	57	31	1.4	4.2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-13A		Oct-10	0.52	72	51	2.2	6.9	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-13A		Oct-11	0.84	70	66	2.8	10.0	ND<0.50	0.54	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-13A		Apr-12	ND<0.50	0.74	18	1.6	5.8	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.52	ND<0.50	ND<0.50	ND<0.50	0.56	ND<1.0
T-13A		Oct-12	ND<0.50	1.2	20	2.3	17	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-13A		May-13	ND<0.50	3.1	31	4.1	16	ND<0.50	ND<0.50	ND<0.50		ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-13A	Dup	May-18	ND<0.50	2.9	30	3.9	16	ND<0.50	ND<0.50	ND<0.50		ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-13A		Oct-13	ND<0.50	1.2	79	8.2	38	ND<0.50	ND<0.50	0.59		ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-13A		Apr-14	ND<0.50	1.8	49	4.4	19	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-13A	Dup	Apr-18	ND<0.50	1.4	50	5.5	20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-13A		Oct-14	ND<0.50	1.4	76	4.6	33	ND<0.50	ND<0.50	0.56	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-13A	Dup	Oct-18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-13A		Jun-15	ND<0.50	1.7	80	3.3	23	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-13A	Dup	Jun-18	ND<0.50	2.1	96	3.9	28	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-13A		Oct-15	ND<0.50	23	120	4.0	18	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-13A		May-16	ND<0.50	21	71	4.9	15	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-13A	Dup	May-18	ND<0.50	21	71	5.0	15	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-13A		Oct-16	ND<0.50	14	62	2.4	17	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-13A		Oct-17	ND<0.50	41	81	3.4	11	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-13A		Oct-18	ND<0.50	**29**	**85**	2.5	**28**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-13A		Oct-19	0.60	**51**	**70**	1.6	**9.5**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-13A		Oct-20	0.57 J	**57**	**76**	1.9	**8.5**	ND<1.0	0.32 J	0.27 J	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	--	--	--	--
T-14A (ZA)		Nov-05	ND<5.0	130	59	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-14A		Jan-06	ND<5.0	150	63	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-14A		Apr-06	6.8	140	92	8	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-14A		Oct-06	ND<5.0	200	57	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-14A		Apr-07	ND<5.0	160	58	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-14A		Jul-07	ND<5.0	120	51	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-14A		Oct-07	ND<5.0	54	200	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-14A		Oct-08	ND<20	ND<20	45	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<40	ND<20	ND<20	ND<40	ND<20	ND<20	ND<20	ND<20	1300	ND<40
T-14A		Feb-09	ND<0.50	6.2	15	2.0	7.8	ND<0.50	ND<0.50	0.59	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.4	2.2	--	--	--	--
T-14A		Oct-09	ND<0.50	9.0	16	1.9	7.4	ND<0.50	ND<0.50	0.53	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.8	1.9	ND<0.50	ND<0.50	0.54	ND<1.0
T-14A		Apr-10	ND<0.50	28	37	2.2	9.7	ND<0.50	ND<0.50	0.51	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.7	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-14A		Oct-10	ND<0.50	36	42	2.4	9.0	ND<0.50	ND<0.50	0.60	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.9	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-14A		Oct-11	ND<0.50	28	38	2.8	6.7	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-14A		Apr-12	ND<0.50	3.0	42	3.1	16	ND<0.50	ND<0.50	0.51	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.3	0.86	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-14A		Oct-12	ND<0.50	0.96	27	3.8	26	ND<0.50	ND<0.50	0.71	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-14A		May-13	ND<0.50	4.2	33	4.4	25	ND<0.50	ND<0.50	0.63		ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-14A		Oct-13	ND<0.50	2.0	53	6.3	35	ND<0.50	0.29 J	0.78		ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.1	0.19 J	--	--	--	--
T-14A		Apr-14	ND<0.50	4.1	43	4.2	22	ND<0.50	ND<0.50	0.53	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-14A		Oct-14	ND<0.50	3.6	62	5.1	29	ND<0.50	ND<0.50	0.70	ND<0.50	ND<1.0 *	ND<0.50 *	ND<0.50	ND<1.0	2.0	ND<0.50	--	--	--	--
T-14A		Oct-15	ND<0.50	23	56	3.9	34	ND<0.50	ND<0.50	0.58	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.0	ND<0.50	--	--	--	--
T-14A		May-16	ND<0.50	20	40	3.8	21	ND<0.50	ND<0.50	0.54	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.1	ND<0.50	--	--	--	--
T-14A		Oct-16	ND<0.50	23	42	3.4	23	ND<0.50	ND<0.50	0.56	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.9	ND<0.50	--	--	--	--
T-14A		Oct-17	1	55	55	2.7	20	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.3	ND<0.50	--	--	--	--
T-14A		Oct-18	ND<0.50	**21**	**65**	2.3	**25**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.0	ND<0.50	--	--	--	--
T-14A		Oct-19	1.0	**40**	**60**	2.3	**24**	ND<0.50	ND<0.50	0.46 J	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<1.0	2.5	ND<0.50	--	--	--	--
T-14A		Oct-20	0.76	**39**	**50**	1.9	**20**	ND<0.50	0.33 J	0.40 J	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<1.0	1.6	ND<0.50	--	--	--	--
T-15A (ZA)		Nov-05	ND<5.0	8.2	160	ND<5.0	37	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-15A		Jan-06	ND<5.0	ND<5.0	110	ND<5.0	83	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-15A		Apr-06	ND<5.0	51	140	11	29	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-15A		Jul-06	ND<5.0	130	91	ND<5.0	8.2	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-15A		Oct-06	ND<5.0	140	66	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-15A		Jan-07	5.2	170	87	ND<5.0	7.4	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-15A		May-07	ND<5.0	140	66	ND<5.0	8.2	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-15A		Jul-07	ND<5.0	130	63	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-15A		Oct-07	ND<5.0	160	75	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-15A		Oct-08	1.6	140	53	2.2	1.5	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2
T-15A		Oct-09	ND<0.50	92	37	2.4	0.61	ND<0.50	0.64	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.90	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-15A		Oct-10	1.3	110	48	2.2	0.50	ND<0.50	0.54	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.91	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-15A		Oct-11	3	130	61	3.8	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0
T-15A		Apr-12	2.2	130	58	3.2	ND<0.50	ND<0.50	0.64	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-15A		Oct-12	ND<2.5	130	62	3.8	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0
T-15A		May-13	1.8	100	50	2.7	ND<0.50	ND<0.50	0.61	ND<0.50		ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-15A		Oct-13	2.0	100	62	2.9	0.46 J	0.35 J	0.70	0.49 J		ND<1.0	ND<0.50	0.36 J	ND<1.0	1.2	ND<0.50	--	--	--	--
T-15A		Apr-14	1.9	100	49	2.7	ND<0.50	ND<0.50	0.59	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-15A		Oct-14	2.2	140	51	3.4	ND<0.50	ND<0.50	0.83	0.54	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.5	ND<0.50	--	--	--	--
T-15A		Oct-15	2.1	100	58	2.7	ND<0.50	ND<0.50	0.6	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.4	ND<0.50	--	--	--	--
T-15A		May-16	1.8	100	57	2.4	ND<0.50	ND<0.50	0.55	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.2	ND<0.50	--	--	--	--
T-15A		Oct-16	1.3	90	50	2.3	ND<0.50	ND<0.50	0.62	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.83	ND<0.50	--	--	--	--
T-15A		Oct-17	1.8	110	62	2.5	ND<0.50	ND<0.50	0.62	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.4	ND<0.50	--	--	--	--
T-15A		Oct-18	1.4	**99**	**76**	2.1	**0.56**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.1	ND<0.50	--	--	--	--
T-15A		Oct-19	2.0	**94**	**74**	2.9	0.31 J	ND<0.50	0.56	0.41 J	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<1.0	1.4	ND<0.50	--	--	--	--
T-15A		Oct-20	1.5	**58**	**67**	2.3	ND<0.50	0.18 J	0.55	0.37 J	ND<0.50	ND<1.0	ND<1.0	0.19 J	ND<1.0	1.0	ND<0.50	--	--	--	--
T-16A (ZA)		Nov-05	ND<5.0	24	160	ND<5.0	32	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-16A		Jan-06	ND<5.0	20	120	ND<5.0	45	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-16A		Apr-06	ND<5.0	17	160	9.5	26	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-16A		Oct-06	ND<5.0	80	100	ND<5.0	8.2	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-16A		May-07	ND<5.0	120	71	ND<5.0	7.3	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-16A		Oct-07	ND<5.0	79	160	ND<5.0	8.8	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.1	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-16A		Oct-08	0.9	63	77	2.3	2.6	ND<0.5	0.53	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<1	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1
T-16A		Oct-09	0.59	40	44	2.2	0.84	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.61	ND<0.5	0.6	ND<0.50	0.56 B	ND<1.0
T-16A		Oct-10	0.81	72	64	2.2	0.76	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.89	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-16A		Oct-11	1.6	91	67	2.9	0.53	ND<0.50	0.7	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-16A		Oct-12	1	68	63	3.2	2.1	ND<0.50	0.57	0.5	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-16A		Oct-13	1.2	94	69	3.6	3.2	0.20 J	0.58	0.58		ND<1.0	ND<0.50	0.23 J	ND<1.0	1.4	ND<0.50	--	--	--	--
T-16A		Oct-14	1.7	97	78	3.7	2.5	ND<0.50	0.70	0.58	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.7	ND<0.50	--	--	--	--
T-16A		Oct-15	0.61	38	72	2.9	23	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1	ND<0.50	--	--	--	--
T-16A		Oct-16	1.1	52	67	2.9	16	ND<0.50	ND<0.50	0.5	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.2	ND<0.50	--	--	--	--
T-16A		Oct-17	1	59	72	2.5	3.4	ND<0.50	0.51	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.2	ND<0.50	--	--	--	--
T-16A		Oct-18	1.3	**69**	**71**	2.2	**1.5**	ND<0.50	0.51	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.3	ND<0.50	--	--	--	--
T-16A		Oct-19	1.2	**57**	**73**	2.0	**0.70**	ND<0.50	0.32 J	0.27 J	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<1.0	1.4	ND<0.50	--	--	--	--
T-16A		Oct-20	0.95	**54**	**63**	1.9	ND<0.50	ND<0.50	0.35 J	0.29 J	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<1.0	0.95	ND<0.50	--	--	--	--
T-17A (ZA)		Nov-11	1.7	110	6.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-17A		Apr-12	1.3	96	5.8	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-17A		Oct-12	1.3	92	4.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	0.62	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-17A		May-13	0.80	71	14	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50		ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-17A		Oct-13	1.3	86	21	0.42 J	ND<0.50	ND<0.50	0.25 J	0.35 J		ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-17A		Apr-14	0.87	57	16	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-17A		Oct-14	0.88	62	30	0.57	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0 *	ND<0.50 *	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-17A		Jun-15	1.4	76	16	0.51	0.71	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-17A		Oct-15	1.1	63	12	ND<0.50	0.58	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-17A		May-16	1.2	74	6.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-17A		Oct-16	0.85	50	15	ND<0.50	0.94	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0 *	ND<0.50	ND<0.50	--	--	--	--
T-17A		Oct-17	1.2	72	13	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-17A		Oct-18	0.86	**69**	**7.3**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-17A		Oct-19	1.0	**50**	**7.5**	0.84	**1.4**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-17A		Oct-20	0.97	**51**	**11**	0.69	**1.4**	ND<0.50	ND<0.50	0.18 J	ND<0.50	ND<1.0	ND<1.0	0.42 J	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-19A (ZA)		Sep-07	ND<5.0	140	55	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-19A		Oct-07	ND<5.0	53	140	ND<5.0	8	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-19A		Oct-08	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<100	ND<50	ND<50	ND<100	ND<50	ND<50	ND<50	ND<50	3500	ND<100
T-19A		Feb-09	ND<0.50	ND<0.50	1.9	0.65	1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.0	6.0	--	--	--	--
T-19A	Dup	Feb-18	ND<0.50	ND<0.50	2.6	0.78	1.4	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.2	6.3	--	--	--	--
T-19A		Oct-09	ND<0.50	ND<0.50	4.6	0.84	2.8	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.3	3.9	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-19A		Apr-10	ND<0.50	0.98	1.6	ND<0.50	0.88	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.65	1.3	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-19A	Dup	Apr-18	ND<0.50	0.89	1.6	ND<0.50	0.81	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.56	1.1	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-19A		Oct-10	ND<0.50	0.89	7.7	0.72	10	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.87	1.2	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-19A		Oct-11	ND<0.50	4.1	16	1.60	10	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.80	1.3	ND<0.50	ND<0.50	ND<0.50	1
T-19A		Apr-12	ND<0.50	ND<0.50	2.1	1.2	0.92	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.60	4.3	ND<0.50	ND<0.50	0.77	ND<1.0
T-19A		Oct-12	ND<0.50	ND<0.50	9.1	1.3	5.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.8	3.8	ND<0.50	ND<0.50	0.8	ND<1.0
T-19A		May-13	ND<0.50	ND<0.50	3.4	0.84	4.3	ND<0.50	ND<0.50	ND<0.50		ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.98	2.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-19A		Oct-13	ND<0.50	ND<0.50	2.6	0.87	2.3	ND<0.50	ND<0.50	ND<0.50		ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.92	2.6	--	--	--	--
T-19A		Apr-14	ND<0.50	ND<0.50	3.7	1.4	3.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.75	1.3	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-19A		Oct-14	ND<0.50	ND<0.50	15	1.9	11	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.93	1.8	--	--	--	--
T-19A		Jun-15	ND<0.50	ND<0.50	12	3.2	32	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.0	1.4	--	--	--	--
T-19A		Oct-15	ND<0.50	ND<0.50	13	3.0	33	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.1	0.75	--	--	--	--
T-19A		May-16	ND<0.50	ND<0.50	6.7	1.5	12	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.78	0.80	--	--	--	--
T-19A		Oct-16	ND<0.50	ND<0.50	3.7	2.6	15	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.87	0.52	--	--	--	--
T-19A		Oct-17	ND<0.50	ND<0.50	3.3	2.2	17	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.82	ND<0.50	--	--	--	--
T-19A		Oct-18	ND<0.50	ND<0.50	**11**	2.1	**26**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.1	ND<0.50	--	--	--	--
T-19A		Oct-19	ND<0.50	ND<0.50	**8.7**	1.6	**25**	ND<0.50	ND<0.50	0.45 J	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<1.0	0.99	ND<0.50	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-19A		Oct-20	ND<0.50	0.16 J	**7.9**	1.4	**30**	ND<0.50	ND<0.50	0.41 J	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<1.0	1.2	0.37 J	--	--	--	--
T-23A (ZA)		Sep-07	7.7	210	21	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-23A		Oct-07	ND<5.0	130	120	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-23A		Oct-08	ND<10	16	12	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<20	ND<10	ND<10	ND<20	ND<10	ND<10	ND<10	ND<10	890	ND<20
T-23A		Feb-09	ND<0.50	17	29	2.1	9.7	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.5	1.8	--	--	--	--
T-23A		Oct-09	ND<0.50	11	14	2.0	3.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.55	ND	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-23A		Apr-10	ND<0.50	41	19	2.8	2.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.54	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-23A		Oct-10	0.60	51	37	4.3	3.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.56	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-23A		Oct-11	0.62	62	39	4.2	2.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-23A		Apr-12	ND<0.50	2.0	58	2.0	3.2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.1	0.79	ND<0.50	ND<0.50	3.5	ND<1.0
T-23A	Dup	Apr-18	ND<0.50	2.0	61	1.9	3.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.0	0.76	ND<0.50	ND<0.50	3.3	ND<1.0
T-23A		Oct-12	ND<0.50	36	73	2.4	6.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-23A		May-13	ND<0.50	48	57	4.4	7.6	ND<0.50	ND<0.50	ND<0.50		ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-23A		Oct-13	ND<0.50	19	54	12	7.6	ND<0.50	ND<0.50	ND<0.50		ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-23A		Apr-14	ND<0.50	45	60	6.0	7.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-23A		Oct-14	ND<0.50	32	51	3.3	6.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-23A		Jun-15	0.83	78	53	2.5	4.7	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-23A		Oct-15	0.71	64	61	1.8	7.8	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-23A		May-16	0.56	58	51	1.4	5.7	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-23A		Oct-16	0.57	60	51	1.3	4.2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-23A		Oct-17	0.69 F1	78	55	1.3 F1	8.8 F1	ND<0.50 F1	ND<0.50 F1F2	ND<0.50	--	ND<1.0 F1	ND<0.50 F1	ND<0.50 F1F2	ND<1.0 F2	ND<0.50	ND<0.50	--	--	--	--
T-23A		Oct-18	0.57	**59**	**49**	0.95	**9.7**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-23A		Oct-19	0.38 J	**41**	**39**	1.1	**7.4**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-23A		Oct-20	0.63	**48**	**43**	1.5	**7.3**	ND<0.50	0.17 J	0.19 J	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-25A (ZA)		Sep-07	5.5	160	52	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-25A		Oct-07	ND<5.0	66	160	ND<5.0	9.6	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-25A		Oct-08	1.0	42	38	2.2	7.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<1	4.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1
T-25A		Feb-09	1.3	41	42	2.3	9.7	ND<0.50	ND<0.50	0.55	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	3.3	ND<0.50	--	--	--	--
T-25A		Oct-09	ND	26	17	2.0	3.3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-25A		Apr-10	1.0	39	34	2.3	6.8	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	0.5	ND<0.50	ND<1.0	2.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-25A		Oct-10	0.8	47	50	2.5	7.3	ND<0.50	ND<0.50	0.55	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-25A		Oct-11	1.5	63	50	3.0	2.1	ND<0.50	0.51	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.8	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-25A		Apr-12	ND<0.50	1.1	19	2.7	7.3	ND<0.50	ND<0.50	0.52	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	3.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-25A		Oct-12	ND<0.50	0.86	10	3.5	12	ND<0.50	ND<0.50	0.71	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-25A		May-13	ND<0.50	1.4	22	3.4	22	ND<0.50	ND<0.50	0.65		ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-25A		Oct-13	ND<0.50	0.57	27	4.7	42	ND<0.50	ND<0.50	0.75		ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.5	ND<0.50	--	--	--	--
T-25A		Apr-14	ND<0.50	0.50	32	4.0	35	ND<0.50	ND<0.50	0.59	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-25A		Oct-14	ND<0.50	4.0	39	4.1	35	ND<0.50	ND<0.50	0.60	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.3	ND<0.50	--	--	--	--
T-25A		Jun-15	0.71	25	61	8.8	38	ND<0.50	ND<0.50	0.61	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.5	ND<0.50	--	--	--	--
T-25A		Oct-15	0.64	27	60	3.1	39	ND<0.50	ND<0.50	0.57	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.9	ND<0.50	--	--	--	--
T-25A		May-16	0.85	44	46	2.1	23	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.8	ND<0.50	--	--	--	--
T-25A		Oct-16	1.6	68	43	2.5	19	ND<0.50	ND<0.50	0.52	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2	ND<0.50	--	--	--	--
T-25A		Oct-17	1.3	57	49	2.0	20	ND<0.50	ND<0.50	0.51	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.8	ND<0.50	--	--	--	--
T-25A		Oct-18	1.1	**51 F1**	**52**	1.5	**7.5**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.4	ND<0.50	--	--	--	--
T-25A		Oct-19	0.99	**44**	**59**	1.8	**13**	ND<0.50	ND<0.50	0.43 J	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<1.0	1.9	ND<0.50	--	--	--	--
T-25A		Oct-20	1.5	**59**	**57**	1.7	**10**	0.14 J	0.42 J	0.37 J	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<1.0	1.9	ND<0.50	--	--	--	--
36S (ZA)		Jun-82	18	710	--	--	ND	42	ND<10	ND<10	--	--	--	19	ND	ND	--	--	--	--	--
36S		Aug-82	10	590	--	--	ND	19	ND<2.0	ND<2.0	--	--	--	2	ND	ND	--	--	--	--	--
36S		Apr-83	13	400	--	--	ND	16	ND	ND	--	--	--	12	ND	ND	--	--	--	--	--
36S		May-83	ND	82	--	--	ND	ND	ND	ND	--	--	--	ND	ND	ND	--	--	--	--	--
36S		Aug-83	19	470	--	--	ND	36	16	ND<1.0	--	--	--	ND<1.0	ND	ND	--	--	--	--	--
36S		Mar-84	--	360	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
36S		Aug-84	8	230	--	--	ND	23	2	ND	--	--	--	40	ND	ND	--	--	--	--	--
36S		Nov-84	4.7	150	--	--	--	19	--	--	--	--	--	--	ND	--	--	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
36S		Oct-85	ND<5.0	250	--	--	ND<5.0	65	ND<5.0	ND<5.0	--	--	--	90	ND	ND	--	--	--	--	--
36S		Jan-86	11	190	--	--	ND<2.0	42	3.4	ND<2.0	--	--	--	ND<2.0	ND	ND<2.0	--	--	--	--	--
36S		Apr-86	3.4	130	--	--	ND<0.5	36	3.5	1.5	--	--	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
36S		Jul-86	3.3	59	--	--	ND<0.5	32	3.2	1.6	--	--	--	15	ND	ND<0.5	--	--	--	--	--
36S		Sep-86	5.3	200	--	--	ND<1.0	27.5	2.9	2.1	--	--	--	16.5	ND	7.95	--	--	--	--	--
36S		Jan-87	ND<10	140	--	--	ND<10	34	ND<10	ND<10	--	--	--	28	ND	ND<10	--	--	--	--	--
36S		Apr-87	4	200	--	--	ND<2.5	34	6	ND<2.5	--	--	--	19	ND	ND<2.5	--	--	--	--	--
36S		Jun-87	ND<1.0	170	--	--	ND<1.0	15	1.6	ND<1.0	--	--	--	8.2	ND	ND<1.0	--	--	--	--	--
36S		Oct-87	3.5	160	--	--	ND<1.0	20	2.5	1.7	--	--	--	14	ND	ND<1.0	--	--	--	--	--
36S		Jan-88	5.8	170	--	--	ND<1.0	23	3.8	1.3	--	--	--	14	ND	ND<1.0	--	--	--	--	--
36S		May-88	3.9	140	--	--	ND<1.0	20	3.3	1.6	--	--	--	13	ND	1.8	--	--	--	--	--
36S		Oct-89	4	130	--	--	ND<0.5	5.7	0.8	ND<0.5	--	--	--	2	ND	ND<0.5	--	--	--	--	--
36S		Oct-92	2.1	35	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	--	ND	ND<0.5	ND<0.5	--	--	--	--
36S		Oct-93	ND<2.5	66	--	--	ND<5.0	ND<2.5	ND<2.5	ND<2.5	ND	ND	ND	ND<2.5	ND	ND<2.5	ND<2.5	--	--	--	--
36S		Oct-94	ND<5.0	19	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND<5.0	--	--	--	--
36S		Oct-95	ND<1.0	21	--	--	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND<1.0	--	--	--	--
36S		Oct-96	0.7	25	6.1	3.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND<0.5	--	--	--	--
36S		Oct-97+	ND<0.5	20	16	5.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND<0.5	--	--	--	--
36S		Oct-99	1.2	50	83	4.4	ND<1.0	1.7	ND<1.0	ND<1.0	ND	ND	ND	1.0	ND	ND<1.0	ND<1.0	--	--	--	--
36S		Oct-00+	1.3	83	100	5.6	ND<1.0	1.6	1.2	0.9	ND	ND	ND	1.8	ND	ND<0.5	ND<0.5	--	--	--	--
36S		Oct-01+	2.1	140	110	2.8	ND<0.5	2.5	1.1	1.0	ND	ND	ND	1.8	ND	ND<0.5	ND<0.5	--	--	--	--
36S		Oct-02+	1.8	140	70	1.9	ND<0.5	1.7	0.8	0.7	ND	ND	ND	1.2	ND	ND<0.5	ND<0.5	--	--	--	--
36S		Oct-03+	1.7	100	53	1.6	1.1	1.2	0.7	0.7	ND	ND	ND	ND<1.0	ND	ND<0.5	ND<0.5	--	--	--	--
36S		Oct-04+	1.8	91	34	1.1	ND<0.5	1.1	0.6	0.5	ND	ND	ND	1.9	ND	ND<0.5	ND<0.5	--	--	--	--
36S		Oct-05+	2.1	91	22	0.8	ND<1.0	1.1	0.6	ND<0.5	ND	ND	ND	0.6	ND	ND<0.5	ND<0.5	--	--	--	--
36S		Oct-06+	2.6	98	20	0.9	ND<0.5	0.9	0.6	ND<0.5	ND	ND	ND	0.8	ND	ND<0.5	ND<0.5	--	--	--	--
36S		Oct-07+	1.5	70	15	0.9	ND<0.7	ND<0.7	0.8	ND<0.7	ND	ND	ND	ND<0.7	ND	ND<0.7	ND<0.7	--	--	--	--
36S		Oct-08+	2.4	98	13	0.6	ND<0.5	0.7	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
36S		Oct-09+	2.2	80	9.3	ND<0.5	ND<0.5	0.6	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
36S		Oct-10+	2.0	75	11	0.6	ND<0.5	0.7	0.5	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
36S		Oct-11	1.8 J	73	8	ND<0.5	ND<0.5	0.7	0.5	ND<0.5	--	--	--	ND<2.0	--	ND<5.0	--	--	--	--	--
36S		Oct-12	2.0 J	1	10	ND<0.5	ND<0.5	0.6	0.5	ND<0.5	--	--	--	ND<2.0	--	ND<5.0	--	--	--	--	--
36S		Oct-13	2.3	74	8.1	ND<0.5	ND<0.5	0.5	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<5.0	--	--	--	--	--
36S		Oct-14	2.2	73	13	0.8	1.7	0.6	0.6	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
36S		Oct-15	2.8	71	9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
36S		Oct-16	2.1	71	93	ND<0.50	ND<0.50	0.52	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--
36S		Oct-17	ND<0.50	61	170	1.5	6.7	ND<0.50	0.62	ND<0.50	--	ND<1.0	ND<0.50	1.4	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
36S		Oct-18	ND<0.50	39	63	ND<0.50	2.3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
36S		Oct-19	0.75	33	13	ND<0.50	0.79	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
36S		Oct-20	1.2	**49**	**9.6**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	ND<1.0	--	ND<1.0	--	--	--	--	--
36D (ZA)		Aug-82	6.8	500	--	--	ND	19	ND<2.0	ND<2.0	--	ND	--	ND<2.0	ND	ND	--	--	--	--	--
36D		May-83	14	9,200	--	--	ND	18	ND	ND	--	ND	--	ND	ND	ND	--	--	--	--	--
36D		Jul-83	8	650	--	--	ND	18	2	2	--	ND	--	ND	ND	ND	--	--	--	--	--
36D		Aug-83	15	600	--	--	--	36	13	16	--	ND	--	ND<1.0	ND	--	--	--	--	--	--
36D		Mar-84	--	260	--	--	--	--	--	--	--	ND	--	--	ND	--	--	--	--	--	--
36D		Aug-84	6	180	--	--	ND	19	2	ND	--	ND	--	30	ND	ND	--	--	--	--	--
36D		Nov-84	4.2	160	--	--	--	26	--	--	--	ND	--	--	ND	--	--	--	--	--	--
36D		Oct-85	16	220	--	--	ND<5.0	77	ND<5.0	ND<5.0	--	ND	--	120	ND	ND<5.0	--	--	--	--	--
36D		Apr-86	3	130	--	--	ND<0.5	39	4.3	1.9	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
36D		Jul-86	3.6	60	--	--	ND<0.5	43	4.8	2.3	--	ND	--	25	ND	ND<0.5	--	--	--	--	--
36D		Sep-86	20	170	--	--	ND<1.0	40	5.1	3.5	--	ND	--	17	ND	18	--	--	--	--	--
36D		Jan-87	ND<10	170	--	--	ND<10	28	ND<10	ND<10	--	ND	--	54	ND	ND<10	--	--	--	--	--
36D		Apr-87	3	160	--	--	ND<1.0	25	4.7	1.7	--	ND	--	16	ND	18	--	--	--	--	--
36D		Jun-87	5.9	170	--	--	ND<1.0	22	2.9	1.9	--	ND	--	21	ND	24	--	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
36D		Oct-87	3.3	68	--	--	ND<0.5	29	3.4	2.3	--	ND	--	22	ND	14	--	--	--	--	--
36D		Jan-88	4.1	100	--	--	ND<1.0	34	3.5	1.9	--	ND	--	30	ND	9.4	--	--	--	--	--
36D		May-88	4.2	170	--	--	ND<1.0	31	5.5	2.6	--	ND	--	20	ND	11	--	--	--	--	--
36D		Aug-88	5	150	--	--	ND<1.0	30	5.6	2.8	--	ND	--	34	ND	11	--	--	--	--	--
36D		Nov-88	3.2	180	--	--	ND<1.0	14	3.5	1.6	--	ND	--	16	ND	13	--	--	--	--	--
36D		Feb-89	ND<5.0	180	--	--	ND<5.0	8	ND<5.0	ND<5.0	--	ND	--	12	ND	ND<5.0	--	--	--	--	--
36D		Feb-89	ND<2.0	61	--	--	ND<2.0	4	ND<2.0	ND<2.0	--	ND	--	ND<2.0	ND	5	--	--	--	--	--
36D		Feb-89	ND<2.0	51	--	--	ND<2.0	3	ND<2.0	ND<2.0	--	ND	--	ND<2.0	ND	3	--	--	--	--	--
36D		May-89	ND<2.5	ND<2.5	--	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	ND	--	ND<2.5	ND	ND<2.5	--	--	--	--	--
36D		Aug-89	4	200	--	--	ND<2.0	10	6	ND<2.0	--	ND	--	7	ND	8	--	--	--	--	--
36D		Oct-89	4.3	120	--	--	ND<0.5	9.6	2.7	0.8	--	ND	--	7.4	ND	ND<0.5	--	--	--	--	--
36D		Jan-90	3.0	170	--	--	ND<1.0	4.0	2.0	ND<1.0	ND	ND	ND	1.0	ND	4.0	ND	--	--	--	--
36D		Apr-90	3.0	170	--	--	ND<1.0	2.0	1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	4.0	ND	--	--	--	--
36D		Jul-90	2.7	110	--	--	ND<0.5	2.7	1.3	0.9	ND	ND	ND	1.3	ND	5.0	ND	--	--	--	--
36D		Oct-90	2.6	120	--	--	ND<0.5	2.7	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	2.1	ND	--	--	--	--
36D		Jan-91	2.0	120	--	--	ND<1.0	1.0	1.0	1.0	ND	ND	ND	ND<1.0	ND	3.0	ND	--	--	--	--
36D		Apr-91	ND<2.0	180	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	ND<2.0	ND	ND<2.0	ND	--	--	--	--
36D		Jul-91	2.0	130	--	--	ND<1.0	1.0	ND<1.0	1.0	ND	ND	ND	1.0	ND	3.0	ND	--	--	--	--
36D		Oct-91	2.5	120	--	--	ND<0.5	2.2	1.8	1.2	ND	ND	ND	0.6	ND	2.3	ND	--	--	--	--
36D		Jan-92	1.6	170	--	--	ND<1.0	2.9	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	1.6	ND	--	--	--	--
36D		Apr-92	4.0	180	--	--	ND<1.0	3.0	1.0	2.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
36D		Oct-92	2.1	92	--	--	ND<1.0	1.0	ND<0.5	ND<0.5	ND	ND	ND	--	ND	1.6	ND	--	--	--	--
36D		Oct-93	ND<5.0	94	--	--	ND<10	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
36D		Oct-94	ND<5.0	66	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
36D		Oct-95	ND<1.0	25	--	--	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
36D		Oct-96	1.2	48	34	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	0.6	ND	--	--	--	--
36D		Oct-97+	ND<0.5	52	91	1.2	ND<0.5	2.1	ND<0.5	0.9	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
36D		Apr-98+	ND<5.0	81	130	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	ND	ND	ND	ND<20	ND	ND<5.0	ND	--	--	--	--
36D		Oct-99	ND<2.0	85	120	2.7	ND<2.0	2.6	ND<2.0	ND<2.0	ND	ND	ND	ND<2.0	ND	ND<2.0	ND	--	--	--	--
36D		Oct-00+	1.6	110	97	2.2	ND<1.0	1.9	1.0	0.8	ND	ND	ND	1.6	ND	0.7	ND	--	--	--	--
36D	Dup	Oct-00+	1.6	100	91	2.5	ND<1.0	1.8	1.1	0.7	ND	ND	ND	1.5	ND	0.7	ND	--	--	--	--
36D		Oct-01+	0.9	67	48	1.1	ND<0.5	1.2	0.6	ND<0.5	ND	ND	ND	1.4	ND<1.0	ND<0.5	ND	--	--	--	--
36D		Oct-02+	1.8	150	90	2.3	ND<0.5	1.7	1.2	1.0	ND	ND	ND	1.9	ND	1.1	ND	--	--	--	--
36D		Apr-03	ND<1.0	69	40	ND<1.0	8.2	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
36D		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	--	--	--	--
36D		Apr-04	ND<1.0	45	27	2.5	12	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0
36D		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	--	--	--	--
36D		Oct-05+	ND<0.5	4.6	1.5	ND<0.5	0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<1.0	ND	ND<0.5	ND	--	--	--	--
36D		Oct-06+	2.1	92	42	1.6	0.6	0.9	1.0	0.7	ND	ND	ND	1.2	ND	ND<0.5	ND<0.5	--	--	--	--
36D		Oct-07+	ND<0.5	17	6.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.8	ND	ND	ND<0.5	ND	ND<0.5	ND<0.5	--	--	--	--
36D		Oct-08+	0.7	27	5.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
36D		Oct-09+	ND<0.5	19	40	1.1	ND<0.5	ND<0.5	0.5	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
36D		Oct-10+	1.4	47	34	1.2	ND<0.5	ND<0.5	0.7	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
36D		Oct-11	1.6 J	47	29	1.0	ND<0.5	ND<0.5	0.6	ND<0.5	--	--	--	ND<2.0	--	ND<5.0	--	--	--	--	--
36D		Oct-11	0.7 J	29	34	1.2	ND<0.5	ND<0.5	0.7	ND<0.5	--	--	--	ND<2.0	--	ND<5.0	--	--	--	--	--
36D		Oct-13	1.3	38	28	0.8	ND<0.5	ND<0.5	0.6	ND<0.5	--	--	--	ND<2.0	--	ND<5.0	--	--	--	--	--
36D		Oct-14	1.8	56	23	0.9	ND<0.5	ND<0.5	0.6	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
36D		Oct-15	1.6	40	12	0.6	ND<0.5	ND<0.5	0.6	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
36D		Oct-16	ND<0.50	2.7	0.84	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--
36D		Oct-17	ND<0.50	4.2	2.2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--
36D		Oct-18	ND<0.50	6.1	13	0.57	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--
36D		Oct-19	1.4	43	21	1.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--
36D		Oct-20	0.78	**28**	**34**	2.0.	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--
37S (ZA)		Jul-82	ND<5.0	210	--	--	ND	ND<5.0	ND<5.0	ND<5.0	--	ND	--	ND<5.0	ND	ND	--	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
37S		Jun-82	ND<10	2,600	--	--	ND	ND<10	ND<10	ND<10	--	--	ND	370	ND	ND	--	--	--	--	--
37S		Aug-82	9	1,400	--	--	ND	13	ND<2.0	ND<2.0	--	--	ND	78	ND	ND	--	--	--	--	--
37S		Apr-83	10	330	--	--	ND	ND	ND	ND	--	--	ND	120	ND	ND	--	--	--	--	--
37S		May-83	ND	270	--	--	ND	ND	ND	ND	--	--	ND	ND	ND	ND	--	--	--	--	--
37S		Aug-83	34	41,000	--	--	5	13	2.0	1.6	--	--	ND	ND<1.0	ND	ND	--	--	--	--	--
37S		Sep-83	37	4,200	--	--	--	4	ND	ND	--	--	ND	190	ND	--	--	--	--	--	--
37S		Sep-83	47	3,500	--	--	--	5	ND	ND	--	--	ND	14	ND	--	--	--	--	--	--
37S		Mar-84	--	1,400	--	--	--	--	--	--	--	--	ND	--	ND	--	--	--	--	--	--
37S		Aug-84	8	760	--	--	ND	4	ND	ND	--	--	ND	ND	ND	ND	--	--	--	--	--
37S		Nov-84	6.6	1,300	--	--	--	3.2	--	--	--	--	ND	--	ND	--	--	--	--	--	--
37S		Jan-87	ND<5.0	600	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--	ND	52	ND	ND<5.0	--	--	--	--	--
37S		Jan-88	ND<10	1,100	--	--	ND<10	ND<10	ND<10	ND<10	--	--	ND	95	ND	ND<10	--	--	--	--	--
37S		Jun-88	ND<1.0	150	--	--	ND<1.0	5.8	ND<1.0	ND<1.0	--	--	ND	ND<1.0	ND	ND<1.0	--	--	--	--	--
37S		Oct-93	ND<5.0	400	--	--	ND<10	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
37S		Oct-94	ND<5.0	330	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
37S		Oct-95	ND<1.0	380	--	--	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	3.8	ND	ND<1.0	ND	--	--	--	--
37S		Oct-96	1.2	270	6.3	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	2.0	ND	ND<1.0	ND	--	--	--	--
37S		Oct-97+	ND<2.5	260	12	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND	ND	ND	ND<2.5	ND	ND<2.5	ND	--	--	--	--
37S		Oct-99	ND<5.0	180	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
37S		Oct-00+	1.2	200	9.7	ND<0.5	1.8	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	2.1	ND	ND<0.5	ND	--	--	--	--
37S		Oct-01	ND<5.0	140	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<20	ND	ND<5.0	ND	--	--	--	--
37S		Oct-02+	0.9	170	3.7	ND<0.7	ND<0.7	ND<0.7	ND<0.7	ND<0.7	ND	ND	ND	ND<1.4	ND	ND<0.7	ND	--	--	--	--
37S		Oct-03+	1.3	160	2.9	ND<0.6	ND<0.6	ND<0.6	ND<0.6	ND<0.6	ND	ND	ND	ND<1.3	ND	ND<0.6	ND	--	--	--	--
37S		Oct-04+	1.2	11	3.3	ND<0.7	ND<0.7	ND<0.7	ND<0.7	ND<0.7	ND	ND	ND	1.9	ND	ND<0.7	ND	--	--	--	--
37S		Oct-05+	1.0	91	5.2	ND<0.7	ND<0.7	ND<0.7	ND<0.7	ND<0.7	ND	ND	ND	ND<1.4	ND	ND<0.7	ND	--	--	--	--
37S		Oct-07+	1.0	81	2.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	1.8	ND	ND<0.5	ND<0.5	--	--	--	--
37S		Oct-08+	1.1	81	3.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
37S		Oct-09+	1.4	91	2.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
37S		Oct-10+	0.9	60	3.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
37S		Oct-11	0.8 J	63	2.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<5.0	--	--	--	--	--
37S		Oct-12	0.8 J	63	2.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<5.0	--	--	--	--	--
37S		Oct-13	1.0	95	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<5.0	--	--	--	--	--
37S		Oct-14	0.8	83	2.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<5.0	--	--	--	--	--
37S		Oct-15	0.9	49	3.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<5.0	--	--	--	--	--
37S		Oct-16	0.6	43	4.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	0.66	--	ND<0.50	--	--	--	--	--
37S		Oct-17	5.9	420	43	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	6.7	--	ND<5.0	--	--	--	--	--
37S		Oct-18	ND<0.5	33	4.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--
37S		Oct-19	0.59	**37**	**7.0**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	0.55	--	ND<0.50	--	--	--	--	--
37S		Oct-20	0.58	**35**	4.2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	0.55	--	ND<0.50	--	--	--	--	--
38-S (ZA)		Jun-82	ND<10	1,250	--	--	ND	ND<10	ND<10	ND<10	--	ND	--	103	ND	ND	--	--	--	--	--
38-S		Aug-82	76	40,000	--	--	3	6.4	2	2.6	--	ND	--	ND<1.0	ND	ND	--	--	--	--	--
38-S		Aug-82	17	2,200	--	--	ND	ND<2.0	ND<2.0	ND<2.0	--	ND	--	35	ND	ND	--	--	--	--	--
38-S		May-83	23	2,000	--	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	--	--	--	--	--
38-S		Sep-83	59	2,700	--	--	ND	ND<2.0	ND<4.0	1	--	ND	--	140	ND	ND	--	--	--	--	--
38-S		Sep-83	72	6,300	--	--	ND	ND<2.0	4	3	--	ND	--	120	ND	ND	--	--	--	--	--
38-S		Mar-84	--	3,500	--	--	--	--	--	--	--	ND	--	--	ND	--	--	--	--	--	--
38-S		Aug-84	28	1,400	--	--	ND	5	3	ND	--	ND	--	ND	ND	ND	--	--	--	--	--
38-S		Nov-84	28	3,200	--	--	--	20	--	--	--	ND	--	--	ND	--	--	--	--	--	--
38-S		Oct-85	45	3,700	--	--	ND<25	33	ND<25	ND<25	--	ND	--	590	ND	ND<25	--	--	--	--	--
38-S		Jul-86	ND<5.0	2,800	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND	--	250	ND	ND<5.0	--	--	--	--	--
38-S		Sep-86	ND<25	4,600	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	150	ND	ND<25	--	--	--	--	--
38-S		Jan-87	ND<10	2,500	--	--	ND<10	ND<10	ND<10	ND<10	--	ND	--	180	ND	ND<10	--	--	--	--	--
38-S		Apr-87	26	2,700	--	--	ND<10	74	ND<10	ND<10	--	ND	--	91	ND	ND<10	--	--	--	--	--
38-S		Jun-87	260	2,200	--	--	ND<10	13	ND<10	ND<10	--	ND	--	83	ND	ND<10	--	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
38-S		Oct-87	ND<25	2,400	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	100	ND	ND<25	--	--	--	--	--
38-S		Jan-88	ND<50	2,900	--	--	ND<50	ND<50	ND<50	ND<50	--	ND	--	ND<50	ND	ND<50	--	--	--	--	--
38-S		May-88	ND<25	3,400	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	95	ND	ND<25	--	--	--	--	--
38-S		Oct-94	ND<5.0	910	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
38-S		Oct-95	ND<10	1,100	--	--	ND<20	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<10	ND	--	--	--	--
38-S		Oct-96	ND<1.7	440	540	4.0	ND<1.7	ND<1.7	2.7	ND<1.7	ND	ND	ND	2.9	ND	ND<1.7	ND	--	--	--	--
38-S		Oct-97+	ND<5.0	160	520	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
38-S		Oct-99	ND<5.0	270	240	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
38-S		Oct-00	ND<20	240	240	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	--	--	--	--
38-S		Oct-01	ND<5.0	170	120	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<20	ND<20	ND<5.0	ND<5.0	--	--	--	--
38-S		Oct-02	2.6	240	200	6.3	8.6	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	ND<4.0	3.5	ND<8.0	ND<2.0	ND<2.0	--	--	--	--
38-S		Oct-03	ND<1.0	51	110	1.2	21	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<4.0	ND<1.0	ND<1.0	--	--	--	--
38-S		Oct-04	ND<5.0	190	190	ND<5.0	6.9	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<10	ND<5.0	ND<20	ND<5.0	ND<5.0	--	--	--	--
38-S		Oct-05	2.0	140	68	1.5	14	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--
38-S		Oct-06	1.5	130	33	ND<1.0	5.8	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--
38-S		Oct-07	1.3	85	50	0.82	16	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	0.61	ND<1.0	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<1.0
38-S		Oct-08	0.65	50	82	2.4	30	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	1.0	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1
38-S		Oct-09	1.5	150	120	2.8	6.3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	1.1	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
38-S		Oct-10	1.3	150	130	1.8	5.7	ND<0.50	0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	1.5	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
38-S		Oct-11	ND<2.5	130	140	ND<2.5	6.7	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0
38-S		Apr-12	ND<0.50	32	120	1.4	11	ND<0.50	0.60	ND<0.50	ND<0.50	ND<1.0	ND<0.50	0.80	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
38-S		Oct-12	0.84	91	200	2.5	11	ND<0.50	0.84	ND<0.50	ND<0.50	ND<1.0	ND<0.50	1.8	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
38-S		May-13	ND<2.5	60	180	ND<2.5	7.2	ND<2.5	ND<2.5	ND<2.5	ND<0.50	ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0
38-S		Oct-13	0.93	96	150	1.7	7.4	ND<0.50	0.70	0.36 J	ND<0.50	ND<1.0	ND<0.50	1.4	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
38-S		Oct-14	ND<0.50	45	200	2.3	12	ND<0.50	0.9	ND<0.50	ND<0.50	ND<1.0	ND<0.50	1.3	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
38-S		Oct-15	1.0	83	98	0.98	4.9	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	1.0	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
38-S		Oct-16	0.6	50	77	0.94	3.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	0.58	ND<1.0 *	ND<0.50	ND<0.50	--	--	--	--
38-S		Oct-17	ND<0.50	61	170	1.5	6.7	ND<0.50	0.62	ND<0.50	--	ND<1.0	ND<0.50	1.4	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
38-S		Oct-18	ND<0.50	**39**	**63**	ND<0.50	**2.3**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
38-S		Oct-19	0.75	**33**	**13**	ND<0.50	**0.79**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
38-S		Oct-20	0.99	**54**	**50**	0.47 J	**0.93**	ND<0.50	0.18 J	0.15 J	ND<0.50	ND<1.0	ND<1.0	0.64	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
EDUCTOR-11 (ZA)		Oct-85	13000	32,000	--	--	ND<250	ND<250	ND<250	ND<250	--	ND	--	ND<250	ND	ND<250	--	--	--	--	--
EDUCTOR-11		Apr-86	4200	24,000	--	--	530	ND<100	ND<100	ND<100	--	ND	--	ND<100	ND	9,200	--	--	--	--	--
EDUCTOR-11		Jul-86	2700	75,000	--	--	2,000	ND<250	ND<250	ND<250	--	ND	--	ND<250	ND	7,700	--	--	--	--	--
EDUCTOR-11		Jan-87	2,700	230,000	--	--	ND<500	ND<500	ND<500	ND<500	--	ND	--	ND<500	ND	6,700	--	--	--	--	--
EDUCTOR-11		Oct-87	3,400	8,400	--	--	ND<1,000	ND<1,000	ND<1,000	ND<1,000	--	ND	--	ND<1,000	ND	ND<1,000	--	--	--	--	--
EDUCTOR-11		Dec-87	130	62	--	--	ND<50	ND<50	ND<50	ND<50	--	ND	--	ND<50	ND	ND<50	--	--	--	--	--
EDUCTOR-11		Feb-89	3.6	62	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
EDUCTOR-11		May-89	51	970	--	--	ND<10	ND<10	ND<10	ND<10	--	ND	--	ND<10	ND	ND<10	--	--	--	--	--
EDUCTOR-11		Oct-89	3.3	60	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	3.3	--	--	--	--	--
EDUCTOR-11		Jan-90	ND<2.0	240	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	ND<2.0	ND	ND<2.0	ND	--	--	--	--
EDUCTOR-11		Apr-90	ND<0.5	12	--	--	ND<0.5	1.2	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
EDUCTOR-11		Jul-90	3.0	53	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
EDUCTOR-11		Apr-93	1,200	26,000	--	--	3.5	1.9	2.2	ND<0.5	ND	ND	ND	--	ND	15	ND	--	--	--	--
EDUCTOR-11		Aug-93	730	29,000	--	--	ND<100	ND<50	ND<50	ND<50	ND	ND	ND	ND<100	ND	ND<50	ND	--	--	--	--
EDUCTOR-11		Oct-93	730	100,000	--	--	ND<100	ND<50	ND<50	ND<50	ND	ND	ND	ND<50	ND	ND<50	ND	--	--	--	--
EDUCTOR-11		Feb-94	520	28,000	--	--	1.0	1.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	10	ND	--	--	--	--
EDUCTOR-11		Apr-94	810	63,000	--	--	49	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
EDUCTOR-11		Oct-94	260	12,000	--	--	ND<250	ND<250	ND<250	ND<250	ND	ND	ND	ND<250	ND	ND<250	ND	--	--	--	--
EDUCTOR-11		Apr-95	ND<200	13,000	--	--	ND<400	ND<200	200	200	ND	ND	ND	ND<200	ND	ND<200	ND	--	--	--	--
EDUCTOR-11		Oct-95	670	46,000	--	--	ND<500	ND<250	ND<250	ND<250	ND	ND	ND	ND<250	ND	380	ND	--	--	--	--
EDUCTOR-11		Apr-96	440	23,000	--	--	100	ND<5.0	6.7	ND<5.0	ND	ND	ND	ND<5.0	ND	370	ND	--	--	--	--
EDUCTOR-11		Oct-96	140	9,800	1,100	ND<50	ND<50	ND<50	ND<50	ND<50	ND	ND	ND	ND<50	ND	ND<50	ND	--	--	--	--
EDUCTOR-11		Apr-97	120	6,700	450	ND<31	ND<31	ND<31	ND<31	ND<31	ND	ND	ND	ND<31	ND	ND<31	ND	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			5	5	6	10	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
EDUCTOR-11		Oct-97	ND<500	16,000	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND	ND	ND	ND<500	ND	ND<1000	ND<500	--	--	--	--
EDUCTOR-11		Apr-98	520	20,000	810	ND<100	ND<100	ND<100	ND<100	ND<100	ND	ND	ND	ND<400	ND	ND<100	ND<100	--	--	--	--
EDUCTOR-11		Oct-98	ND<500	17,000	740	ND<500	ND<500	ND<500	ND<500	ND<500	ND	ND	ND	ND<500	ND	ND<500	ND<500	--	--	--	--
EDUCTOR-11		Apr-99	ND<1,000	11,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND	ND	ND	ND<1,000	ND	ND<1,000	ND<1,000	--	--	--	--
EDUCTOR-11		Oct-99	470	13,000	650	ND<250	ND<250	ND<250	ND<250	ND<250	ND	ND	ND	ND<250	ND	ND<250	ND<250	--	--	--	--
EDUCTOR-11		Oct-00	ND<400	8,400	680	ND<400	ND<400	ND<400	ND<400	ND<400	ND<400	ND	ND	ND<400	ND	ND<400	ND<400	--	--	--	--
EDUCTOR-11		Mar-01	19	310	14,000	110	1,500	12	2.0	35	--	ND<2.0	ND<2.0	--	ND	--	20	--	13	ND<1.0	179
EDUCTOR-11		Jun-01	7.9	230	15,000	140	6,100	15	66	3.3	--	5.6	ND<2.0	--	ND	--	72	--	63	3.8	97
EDUCTOR-11		Aug-01	140	5,100	7,700	44	710	1.2	43	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	39	--	36	ND<1.0	100
EDUCTOR-11		Oct-01	1,200	53,000	18,000	ND<1,000	ND<2,000	ND<1,000	ND<1,000	ND<1,000	--	ND<2,000	ND<2,000	--	ND<1,000	--	ND<1,000	--	ND<1,000	ND<1,000	ND<2,000
EDUCTOR-11		Nov-01	150	5,000	5,600	48	750	ND<5.0	8.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND	--	11	ND<5.0	42	ND<5.0	169
EDUCTOR-11		Jan-02	1,400	80,000	17,000	110	1,200	ND<50	ND<50	ND<50	--	ND<50	ND<50	--	ND	--	400	--	ND<50	ND<50	1,170
EDUCTOR-11		Mar-02	170	3,800	8,000	ND<50	540	ND<50	--	ND<50	--	ND<50	ND<50	--	ND	--	ND<50	--	ND<50	ND<50	ND<100
EDUCTOR-11		Jul-02	62	2,600	6,400	30	2,400	ND<1.0	19	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	13	--	ND<50	ND<50	ND<100
EDUCTOR-11		Oct-02	120	17,000	20,000	38	21,000	ND<1.0	32	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	40	2.9	62	4.0	249
EDUCTOR-11		Jan-03	21	670	9,400	34	5,700	7.2	27	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	60	--	--	--	--
EDUCTOR-11	Dup	Jan-18	32	1,200	9,600	28	5,600	2.9	24	1.3	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	62	--	--	--	--
EDUCTOR-11		Apr-03	ND<1.0	11	570	12	4,500	ND<1.0	1.2	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	130	--	35	1.9	63
EDUCTOR-11	Dup	Apr-18	ND<1.0	7.6	790	12	5,500	1.4	1.8	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	110	--	46	1.8	56
EDUCTOR-11		Jul-03	870	15,000	3,800	210	24,000	ND<1.0	120	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	97	--	460	5.9	1,020
EDUCTOR-11	Dup	Jul-18	880	32,000	4,000	200	27,000	ND<1.0	120	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	98	--	490	7.2	1,030
EDUCTOR-11		Oct-03	14	75	34	9.6	560	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	340	ND<5.0	32	ND<5.0	113
EDUCTOR-11	Dup	Oct-18	20	110	53	12	550	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	300	ND<5.0	39	ND<5.0	144
EDUCTOR-11		Jan-04	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	--	ND<10	ND<10	--	ND<10	--	ND<10	ND<10	ND<10	ND<10	ND<20
EDUCTOR-11		Apr-04	ND<1.0	ND<1.0	ND<1.0	7	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
EDUCTOR-11		Oct-04	ND<5.0	ND<5.0	ND<5.0	9.3	28	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	1,200	ND<5.0	120	ND<5.0	380
EDUCTOR-11		Jan-05	ND<0.5	ND<0.5	4,700	180	4,400	ND<5.0	9.3	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	1,900	ND<5.0	200	ND<5.0	650
EDUCTOR-11		Apr-05	23	490	19,000	160	33,000	ND<5.0	57	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	2,900	ND<5.0	340	8.7	1,180
EDUCTOR-11	Dup	Apr-18	23	430	19,000	160	35,000	ND<5.0	66	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	2,800	ND<5.0	330	9.6	1,180
EDUCTOR-11		Jul-05	82	2,200	27,000	150	15,000	ND<5.0	130	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	3,600	ND<5.0	ND<500	11	1,200
EDUCTOR-11	Dup	Jul-05-	92	2,100	27,000	180	14,000	ND<5.0	140	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	3,500	ND<5.0	ND<500	11	1,100
EDUCTOR-11		Sep-05	ND<250	ND<250	27,000	ND<250	18,000	ND<250	ND<250	ND<250	ND<250	ND<250	ND<500	ND<250	ND<250	420	2,900	--	--	--	--
EDUCTOR-11		Oct-05	ND<250	ND<250	3,600	ND<250	3,900	ND<250	ND<250	ND<250	--	ND<250	ND<250	--	ND<250	--	1,000	ND<250	ND<250	ND<250	ND<750
EDUCTOR-11		Jan-06	150	4,800	2,300	30	12,000	ND<5.0	12	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	3,000	ND<5.0	ND<500	9.9	ND<1500
EDUCTOR-11		Apr-06	ND<5.0	ND<5.0	20,000	ND<500	8,500	ND<5.0	37	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	1,500	ND<5.0	160	5.7	200
EDUCTOR-11		Oct-06	ND<100	ND<100	25,000	ND<100	9,800	ND<100	ND<100	ND<100	--	ND<100	ND<100	--	ND<100	--	2,200	ND<100	290	ND<100	880
EDUCTOR-11		Apr-07	ND<5.0	5.1	29,000	200	28,000	ND<5.0	57	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	14	ND<5.0	ND<200	9.2	960
EDUCTOR-11		Oct-07	55	3,500	8,300	120	15,000	ND<5.0	30	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	4,200	ND<5.0	ND<500	13	1,300
EDUCTOR-11		Oct-08	ND<2000	100,000	23,000	ND<2000	28,000	ND<2000	ND<2000	ND<2000	ND<2000	ND<4000	ND<2000	ND<2000	ND<4000	3100	5200	ND<2000	ND<2000	ND<2000	ND<4000
EDUCTOR-11		Oct-09	ND<200	ND<200	34,000	ND<200	9,300	ND<200	ND<200	ND<200	ND<200	ND<400	ND<200	ND<200	ND<400	1,600	840	ND<200	230	ND<200	ND<400
EDUCTOR-11		Oct-10	ND<200	2,100	78,000	ND<200	67,000	ND<200	ND<200	ND<200	ND<200	ND<400	ND<200	ND<200	ND<400	1,900	6900	ND<200	ND<200	ND<200	ND<400
EDUCTOR-11		Nov-10	ND<500	670	29,000	ND<500	2,700	ND<500	ND<500	ND<500	ND<500	ND<1,000	ND<500	ND<500	ND<1,000	1,300	660	--	--	--	--
EDUCTOR-11		Mar-11	ND<500	1,100	94,000	ND<500	5,900	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500
EDUCTOR-11		May-11	ND<500	3,600	100,000	ND<500	11,000	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	1,500	ND<500	ND<500	ND<500	ND<500	ND<500
EDUCTOR-11		Oct-11	ND<50	54	8,000	ND<50	1,100	ND<50	ND<50	ND<50	ND<50	ND<100	ND<50	ND<50	ND<100	ND<50	ND<50	ND<50	ND<50	ND<50	ND<100
EDUCTOR-11		Apr-12	ND<50	620	93,000	74	6,400	ND<50	110	ND<50	ND<50	ND<100	ND<50	ND<50	ND<100	880	190	ND<50	120	ND<50	430
EDUCTOR-11		Oct-12	ND<1,000	1,200	83,000	ND<1,000	5,200	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<2,000	ND<1,000	ND<1,000	ND<2,000	2,400	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<2,000
EDUCTOR-11		May-13	ND<1000	1,000	37,000	ND<1,000	2,900	ND<1000	ND<1000	ND<1000	--	ND<2000	ND<1000	ND<1000	ND<2000	ND<1000	ND<1000	ND<1000	ND<1000	ND<1000	ND<2000
EDUCTOR-11		Oct-13	ND<500	ND<500	29,000	ND<500	1,800	ND<500	ND<500	ND<500	--	ND<1000	ND<500	ND<500	ND<1000	ND<500	ND<500	--	--	--	--
EDUCTOR-11		Apr-14	ND<500	ND<500	20,000	ND<500	1,600	ND<500	ND<500	ND<500	ND<500	ND<1000	ND<500	ND<500	ND<1000	ND<500	ND<500	ND<500	ND<500	ND<500	ND<1000
EDUCTOR-11		Sep-14	ND<500	ND<500	43,000	ND<500	2,900	ND<500	ND<500	ND<500	ND<500	ND<1000	ND<500	ND<500	ND<1000	530	ND<500	--	--	--	--
EDUCTOR-11		NA	Per United States Environmental Protection Agency approval, the Eductor was abandoned in November 2014.																		
EDUCTOR-15 (ZA)		Oct-13	ND<1,000	8,800	160,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<2,000	ND<1,000	ND<1,000	ND<2,000	1,800	ND<1,000	--	--	--	--
EDUCTOR-15		Apr-14	ND<1,000	ND<1,000	50,000	ND<1,000	2,400	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<2,000	ND<1,000	ND<1,000	ND<2,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<2000

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
EDUCTOR-15		Sep-14	ND<1,000	ND<1,000	120,000	ND<1,000	5,700	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<2,000	ND<1,000	ND<1,000	ND<2,000	1,400	1,600	--	--	--	--
T-1B (ZB1)		Aug-83	ND<1.0	ND<1.0	--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND	--	ND<1.0	ND	ND<1.0	--	--	--	--	--
T-1B		Mar-84	--	ND<.5	--	--	--	--	--	--	--	ND	--	--	ND	ND	--	--	--	--	--
T-1B		Aug-84	ND	ND	--	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	--	--	--	--	--
T-1B		Nov-84	ND<0.5	ND<0.5	--	--	--	ND<0.5	--	--	--	ND	--	--	ND	--	--	--	--	--	--
T-1B		Oct-85	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-1B		Jan-86	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	--	ND	ND<0.5	--	--	--	--	--
T-1B		Apr-86	ND<0.5	1	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-1B		Jul-86	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-1B		Sep-86	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-1B		Jan-87	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-1B		Apr-87	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-1B		Jun-87	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-1B		Oct-87	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-1B		Jan-88	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-1B		May-88	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-1B		Aug-88	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-1B		Nov-88	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-1B		Feb-89	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-1B		May-89	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-1B		Aug-89	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-1B		Oct-89	ND<0.5	5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-1B		Jan-90	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-1B		Apr-90	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-1B		Jul-90	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-1B		Oct-90	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-1B		Jan-91	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-1B		Apr-91	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-1B		Jul-91	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-1B		Oct-91	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-1B		Jan-92	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-1B		Apr-92	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-1B		Oct-92	ND<0.5	ND<0.5	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	--	ND	ND<0.5	ND	--	--	--	--
T-1B		Oct-93	ND<0.5	ND<0.5	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-1B		Oct-94	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-1B		Oct-95	ND<1.0	ND<1.0	--	--	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-1B		Oct-96	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-1B		Oct-97	ND<0.5	ND<0.5	1.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<1.0	ND	--	--	--	--
T-1B		Oct-98	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-1B		Oct-99	ND<1.0	ND<1.0	1.4	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-1B		Oct-00	ND<1.0	ND<1.0	1.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND<1.0	ND	ND<1.0	ND<1.0	--	--	--	--
T-1B		Oct-01	ND<0.5	ND<0.5	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<2.0	ND<0.5	ND<0.5	--	--	--	--
T-1B		Oct-02	ND<0.5	ND<0.5	1.8	0.79	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<0.5	ND<2.0	ND<0.5	ND<0.5	--	--	--	--
T-1B	Dup	Oct-18	ND<0.5	ND<0.5	1.7	0.76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<0.5	ND<2.0	ND<0.5	ND<0.5	--	--	--	--
T-1B		NA	Per Water Board approval, well 1B was abandoned in February 2004.																		
T-2B (ZB1)		Aug-83	2,800	1,100,000	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND	--	ND<5.0	ND	ND<5.0	--	--	--	--	--
T-2B		Sep-83	2,000	73,000	--	--	--	ND	ND	ND	--	ND	--	ND	ND	--	--	--	--	--	--
T-2B		Sep-83	2,000	290,000	--	--	--	ND	ND	ND	--	ND	--	ND	ND	--	--	--	--	--	--
T-2B		Mar-84	--	130,000	--	--	--	--	--	--	--	ND	--	--	ND	--	--	--	--	--	--
T-2B		Aug-84	1,500	11,000	--	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	--	--	--	--	--
T-2B		Nov-84	2,300	52,000	--	--	--	ND<130	--	--	--	ND	--	--	ND	--	--	--	--	--	--
T-2B		Oct-85	2,700	7,500	--	--	ND<50	ND<50	ND<50	ND<50	--	ND	--	840	ND	ND<50	--	--	--	--	--
T-2B		Mar-86	1,300	5,500	--	--	750	ND<25	ND<25	ND<25	--	ND	--	--	ND	ND<25	--	--	--	--	--
T-2B		Apr-86	580	4,000	--	--	180	ND<50	ND<50	ND<50	--	ND	--	ND<50	ND	ND<50	--	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-2B		Jul-86	1,200	3,800	--	--	1,400	ND<10	ND<10	ND<10	--	ND	--	ND<10	ND	860	--	--	--	--	--
T-2B		Jan-87	800	9,100	--	--	1,100	ND<25	ND<25	ND<25	--	ND	--	ND<25	ND	710	--	--	--	--	--
T-2B		Jul-87	490	2,100	--	--	730	ND<50	ND<50	ND<50	--	ND	--	100	ND	ND<50	--	--	--	--	--
T-2B		Oct-87	330	2,000	--	--	860	59	ND<25	ND<25	--	ND	--	ND<25	ND	71	--	--	--	--	--
T-2B		Jan-88	170	1,400	--	--	4,200	ND<50	ND<50	ND<50	--	ND	--	ND<50	ND	ND<50	--	--	--	--	--
T-2B		May-88	54	630	--	--	1,000	12	120	ND<5.	--	ND	--	ND<5.0	ND	ND<5.0	--	--	--	--	--
T-2B		Aug-88	180	970	--	--	3,800	ND<100	ND<100	ND<100	--	ND	--	ND<100	ND	ND<100	--	--	--	--	--
T-2B		Nov-88	230	970	--	--	3,300	ND<100	ND<100	ND<100	--	ND	--	ND<100	ND	ND<100	--	--	--	--	--
T-2B		Feb-89	ND<500	7,200	--	--	13,000	ND<500	ND<500	ND<500	--	ND	--	ND<500	ND	ND<500	--	--	--	--	--
T-2B		May-89	ND<200	1,400	--	--	32,000	ND<200	ND<200	ND<200	--	ND	--	ND<200	ND	ND<200	--	--	--	--	--
T-2B		Aug-89	ND<2,500	ND<2500	--	--	26,000	ND<2,500	ND<2500	ND<2500	--	ND	--	--	ND	--	--	--	--	--	--
T-2B		Aug-89	ND<500	4,000	--	--	45,000	ND<500	ND<500	ND<500	--	ND	--	ND<500	ND	ND<500	--	--	--	--	--
T-2B		Oct-89	ND<200	7,500	--	--	44,000	ND<200	ND<200	ND<200	--	ND	--	ND<200	ND	ND<200	--	--	--	--	--
T-2B		Jan-90	ND<1,000	17,000	--	--	30,000	ND<1,000	ND<1000	ND<1000	ND	ND	ND	ND<1,000	ND	ND<1,000	ND	--	--	--	--
T-2B		Jan-90	ND<500	1,600	--	--	24,000	ND<500	ND<500	ND<500	ND	ND	ND	ND<500	ND	ND<500	ND	--	--	--	--
T-2B		Apr-90	130	13,000	--	--	13,000	ND<100	ND<100	ND<100	ND	ND	ND	ND<100	ND	ND<100	ND	--	--	--	--
T-2B		Apr-90	90	4,200	--	--	14,000	ND<50	80	ND<50	ND	ND	ND	ND<50	ND	ND<50	ND	--	--	--	--
T-2B		Jul-90	ND<200	6,000	--	--	12,000	ND<200	ND<200	ND<200	ND	ND	ND	ND<200	ND	ND<200	ND	--	--	--	--
T-2B		Jul-90	ND<100	3,400	--	--	3,900	ND<100	ND<100	ND<100	ND	ND	ND	ND<100	ND	ND<100	ND	--	--	--	--
T-2B		Oct-90	ND<500	26,000	--	--	14,000	ND<500	ND<500	ND<500	ND	ND	ND	ND<500	ND	ND<500	ND	--	--	--	--
T-2B		Oct-90	ND<200	19,000	--	--	7,800	ND<200	ND<200	ND<200	ND	ND	ND	ND<200	ND	ND<200	ND	--	--	--	--
T-2B		Jan-91	ND<200	2,000	--	--	6,500	ND<200	ND<200	ND<200	ND	ND	ND	ND<200	ND	ND<200	ND	--	--	--	--
T-2B		Jan-91	ND<500	5,200	--	--	7,000	ND<500	ND<500	ND<500	ND	ND	ND	ND<500	ND	ND<500	ND	--	--	--	--
T-2B		Apr-91	ND<50	4,200	--	--	ND<50	ND<50	ND<50	ND<50	ND	ND	ND	240	ND	ND<50	ND	--	--	--	--
T-2B		Apr-91	4.3	2,300	--	--	1.0	0.8	ND<0.5	ND<0.5	ND	ND	ND	180	ND	ND<0.5	ND	--	--	--	--
T-2B		Jul-91	1,000	17,000	--	--	3,500	ND<50	150	ND<50	ND	ND	ND	ND<50	ND	ND<50	ND	--	--	--	--
T-2B		Jul-91	240	6,100	--	--	ND<100	ND<50	ND<50	ND<50	ND	ND	ND	ND<100	ND	ND<50	ND	--	--	--	--
T-2B		Oct-91	700	15,000	--	--	3,300	ND<100	ND<100	ND<100	ND	ND	ND	ND<100	ND	ND<100	ND	--	--	--	--
T-2B		Oct-91	500	10,000	--	--	1,600	ND<100	ND<100	ND<100	ND	ND	ND	ND<100	ND	ND<100	ND	--	--	--	--
T-2B		Apr-92	1,600	15,000	--	--	ND<100	ND<100	ND<100	ND<100	ND	ND	ND	ND<100	ND	ND<100	ND	--	--	--	--
T-2B		Apr-92	1,100	9,300	--	--	2,400	ND<50	53	ND<50	ND	ND	ND	ND<50	ND	110	ND	--	--	--	--
T-2B		Aug-92	1,200	5,100	--	--	1,100	6.5	42	1.7	ND	ND	ND	ND<1.0	ND	21	ND	--	--	--	--
T-2B		Oct-92	1,900	7,400	--	--	1,400	4.8	40	6.8	ND	ND	ND	--	ND	ND<500	ND	--	--	--	--
T-2B		Apr-93	530	3,700	--	--	2,300	ND<50	ND<50	ND<50	ND	ND	ND	ND<50	ND	ND<50	ND	--	--	--	--
T-2B		Oct-93	300	2,600	--	--	640	ND<5.0	23	ND<5.0	ND	ND	ND	ND<5.0	ND	42	ND	--	--	--	--
T-2B		Apr-94	330	1,500	--	--	ND<5	7	32	ND<5.0	ND	ND	ND	1.1	ND	35	ND	--	--	--	--
T-2B		Oct-94	ND<25	590	--	--	ND<25	ND<25	ND<25	ND<25	ND	ND	ND	ND<25	ND	ND<25	ND	--	--	--	--
T-2B		Aug-95	ND<40	770	--	--	540	ND<40	ND<40	ND<40	ND	ND	ND	ND<40	ND	ND<40	ND	--	--	--	--
T-2B		Oct-95	180	840	--	--	130	ND<25	ND<25	ND<25	ND	ND	ND	ND<25	ND	ND<25	ND	--	--	--	--
T-2B		Apr-96	300	1,500	--	--	230	ND<2.5	13	ND<2.5	ND	ND	ND	ND<2.5	ND	4.9	ND	--	--	--	--
T-2B		Oct-96	200	880	3,000	21	190	ND<10	19	ND<10	ND	ND	ND	ND<10	ND	15	ND	--	--	--	--
T-2B		Apr-97	170	690	1,400	14	230	ND<13	ND<13	ND<13	ND	ND	ND	ND<13	ND	24	ND	--	--	--	--
T-2B	Dup	Oct-97	220	810	2,800	ND<50	170	ND<50	ND<50	ND<50	ND	ND	ND	ND<50	ND	ND<100	ND	--	--	--	--
T-2B		Oct-97	220	820	3,000	ND<50	200	ND<50	ND<50	ND<50	ND	ND	ND	ND<50	ND	ND<100	ND<50	--	--	--	--
T-2B		Apr-98	100	670	1,700	ND<20	300	ND<20	ND<20	ND<20	ND	ND	ND	ND<80	ND	ND<20	ND<20	--	--	--	--
T-2B		Oct-98	81	720	1,000	ND<25	110	ND<25	ND<25	ND<25	ND	ND	ND	ND<25	ND	ND<25	ND<25	--	--	--	--
T-2B		Oct-99	55	430	800	ND<10	35	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<10	ND<10	--	--	--	--
T-2B		Oct-00	110	520	2,200	ND<50	340	ND<50	ND<50	ND<50	--	ND	ND	--	ND	--	1.4	--	ND<1.0	ND<1.0	ND<2.0
T-2B		Nov-00	ND<1.0	11	2,300	15	300	ND<1.0	9.5	1.2	--	ND<2.0	ND<2.0	--	ND	--	2.0	--	ND<1.0	ND<1.0	ND<2.0
T-2B		Dec-00	ND<1.0	2.9	53	9.3	1,000	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	1.6	--	ND<1.0	ND<1.0	ND<2.0
T-2B		Feb-01	23	31	880	12	1,300	ND<1.0	3.5	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	1.6	--	ND<1.0	ND<1.0	8.5
T-2B		Apr-01	1.6	14	440	8.7	980	ND<1.0	1.2	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	2.6	--	ND<1.0	ND<1.0	ND<2.0
T-2B		Jun-01	ND<1.0	5.8	1,500	16	1,400	2.6	5.5	1.7	--	3.1	ND<2.0	--	ND	--	1.7	--	ND<1.0	ND<1.0	ND<2.0
T-2B		Aug-01	2.5	77	680	12	800	ND<1.0	2.5	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	20	--	ND<1.0	ND<1.0	ND<2.0

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-2B	Dup	Oct-18	ND<50	580	140	ND<50	700	ND<50	ND<50	ND<50	--	ND<100	ND<100	--	90	--	ND<50	--	120	ND<50	ND<100
T-2B		Oct-01	ND<50	940	250	180	540	ND<50	ND<50	ND<50	--	ND<100	ND<100	--	ND<50	--	ND<50	--	90	ND<50	ND<100
T-2B		Jan-02	ND<10	18	67	ND<10	210	ND<10	ND<10	ND<10	--	ND<20	ND<20	--	ND	--	78	--	ND<10	11	ND<20
T-2B		Apr-02	2.7	24	210	6.2	190	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	5.9	--	ND<1.0	ND<1.0	ND<2.0
T-2B		Jul-02	ND<1.0	ND<1.0	90	ND<1.0	150	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	67	--	ND<1.0	ND<1.0	ND<2.0
T-2B		Oct-02	ND<1.0	54	46	ND<1.0	170	ND<1.0	2.5	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	66	2.0	ND<1.0	1.8	ND<2.0
T-2B		Jan-03	ND<1.0	33	30	ND<1.0	14	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	66	--	--	--	--
T-2B		Apr-03	ND<1.0	28	7.6	ND<1.0	41	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	60	--	7.8	ND<1.0	2.1
T-2B		Jul-03	ND<1.0	2.6	2.8	ND<1.0	5.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	71	--	90	ND<1.0	4.1
T-2B		Oct-03	ND<5.0	ND<5.0	5.2	ND<5.0	9.1	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	88	ND<5.0	ND<5.0	ND<5.0	ND<10
T-2B		Jan-04	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
T-2B		Apr-04	ND<1.0	ND<1.0	3.3	ND<1.0	5.4	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
T-2B		Oct-04	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	63	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2B		Jan-05	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	72	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2B		Apr-05	ND<5.0	ND<5.0	43	ND<5.0	360	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	130	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2B		Jul-05	ND<5.0	5.1	ND<5.0	ND<5.0	16	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	94	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2B		Oct-05	ND<5.0	ND<5.0	6.2	ND<5.0	48	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	73	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2B		Jan-06	ND<5.0	ND<5.0	ND<5.0	7.0	22	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	67	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2B		Apr-06	ND<5.0	ND<5.0	5.9	11	24	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	49	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2B		Oct-06	ND<5.0	ND<5.0	ND<5.0	8.2	47	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	49	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2B		Apr-07	ND<5.0	ND<5.0	ND<5.0	ND<5.0	92	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	31	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2B		Oct-07	ND<5.0	ND<5.0	11	7.8	270	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	23	ND<5.0	ND<5.0	ND<5.0	ND<15
T-2B		Oct-08	ND<2	ND<2	88	6	210	ND<2	ND<2	ND<2	ND<2	ND<4	ND<2	ND<2	ND<4	5.2	4.1	ND<2	ND<2	ND<2	ND<4
T-2B		Oct-09	ND<20	ND<20	6,600	29	3,600	ND<20	ND<20	ND<20	ND<20	ND<40	ND<20	ND<20	ND<40	39	230	ND<20	ND<20	ND<20	ND<40
T-2B		Oct-10	ND<2.5	ND<2.5	200	ND<2.5	260	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<5.0	6.4	17	ND<2.5	ND<2.5	ND<2.5	ND<5.0
T-2B		Nov-10	ND<2.5	2.5	160	ND<2.5	290	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<5.0	23	39	--	--	--	--
T-2B		Mar-11	ND<0.50	0.52	9.4	ND<0.50	46	ND<0.50	ND<0.50	0.7	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.6	57	ND<0.50	ND<0.50	ND<0.50	3.2
T-2B		May-11	ND<0.50	0.59	40	ND<0.50	82	ND<0.50	ND<0.50	0.69	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.5	22	ND<0.50	ND<0.50	ND<0.50	ND<0.50
T-2B		Oct-11	ND<0.50	0.72	79	2.1	140	ND<0.50	ND<0.50	0.72	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	7.1	19	ND<0.50	ND<0.50	ND<0.50	1.5
T-2B		Apr-12	ND<0.50	ND<0.50	38	1.0	34	ND<0.50	ND<0.50	0.53	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	6.5	25	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-2B		Oct-12	ND<0.50	0.65	83	2.5	100	ND<0.50	ND<0.50	0.77	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	5.7	14	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-2B		May-13	ND<0.50	0.76	80	6.3	77	ND<0.50	ND<0.50	0.76	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	6.7	11	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-2B		Oct-13	ND<0.50	ND<2.5	140	1.6	150	ND<0.50	ND<0.50	1.0	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	10	12	--	--	--	--
T-2B		Apr-14	ND<2.5	ND<2.5	12	ND<2.5	40	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<5.0	16	58	ND<2.5	ND<2.5	ND<2.5	ND<5.0
T-2B		Sep-14	ND<2.5	ND<2.5	26	ND<2.5	60	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<5.0	9.3	28	--	--	--	--
T-2B		NA	Per United States Environmental Protection Agency approval, well T-2B was abandoned in November 2014.																		
T-4B (ZB1)		Aug-83	ND<1.0	ND<1.0	--	--	ND	ND<1.0	3.6	ND<1.0	--	ND	--	ND<1.0		ND	--	--	--	--	--
T-4B		Mar-84	--	4	--	--	--	--	--	--	--	ND	--	--		--	--	--	--	--	--
T-4B		Aug-84	ND	ND	--	--	ND	ND	ND	ND	--	ND	--	ND		ND	--	--	--	--	--
T-4B		Nov-84	ND<0.5	1.5	--	--	--	ND<0.5	--	--	--	ND	--	--		--	--	--	--	--	--
T-4B		Oct-85	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5		ND<0.5	--	--	--	--	--
T-4B		Jan-86	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5		ND<0.5	--	--	--	--	--
T-4B		Apr-86	ND<0.5	1	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5		ND<0.5	--	--	--	--	--
T-4B		Jan-88	ND<0.5	14	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	0.6		ND<0.5	--	--	--	--	--
T-4B		May-88	ND<0.5	9	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	0.5		ND<0.5	--	--	--	--	--
T-4B		Aug-89	ND<0.5	57	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	1.8		ND<0.5	--	--	--	--	--
T-4B		Oct-90	ND<0.5	75	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	1.8	ND	ND<0.5	ND	--	--	--	--
T-4B		Oct-91	ND<0.5	75	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	3.6	ND	ND<0.5	ND	--	--	--	--
T-4B		Oct-92	ND<0.5	61	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	--	ND	ND<0.5	ND	--	--	--	--
T-4B		Oct-93	ND<0.5	100	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	2.6	ND	ND<0.5	ND	--	--	--	--
T-4B		Oct-94	ND<5.0	53	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-4B		Oct-95	ND<1.0	30	--	--	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	2.4	ND	ND<1.0	ND	--	--	--	--
T-4B		Oct-96	ND<0.5	28	17	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	1.7	ND	ND<0.5	ND	--	--	--	--
T-4B		Oct-97	ND<1.0	30	38	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	2.0	ND	ND<2.0	ND	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-4B		Oct-98	ND<1.0	43	40	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	1.8	ND	ND<1.0	ND	--	--	--	--
T-4B		Oct-99	ND<1.0	32	32	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	1.6	ND	ND<1.0	ND	--	--	--	--
T-4B		Oct-00	ND<2.0	10	100	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND<2.0	ND	ND<2.0	ND<2.0	--	--	--	--
T-4B	Dup	Oct-00	ND<2.0	9.0	100	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND<2.0	ND	ND<2.0	ND<2.0	--	--	--	--
T-4B		Oct-01	ND<5.0	ND<5.0	66	12	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<20	ND<20	ND<5.0	ND<5.0	--	--	--	--
T-4B		Oct-02	ND<5.0	5.8	220	ND<5.0	5.7	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<10	ND<5.0	ND<20	ND<5.0	ND<5.0	--	--	--	--
T-4B		Apr-03	ND<1.0	11	350	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-4B		Jul-03	ND<1.0	13	ND<20	3.1	ND<2.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-4B		Oct-03	ND<5.0	9.8	340	ND<5.0	7.4	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-4B		Jan-04	ND<12	6.4	350	ND<12	ND<12	ND<12	ND<12	ND<12	--	ND<12	ND<12	--	ND<12	--	ND<12	ND<12	ND<12	ND<12	ND<24
T-4B		Apr-04	ND<1.0	13	540	6.3	ND<1.0	ND<1.0	ND<1.0	1.6	--	ND<2.0	6.3	--	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-4B		Jul-04	ND<5.0	8.5	460	5.8	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-4B		Oct-04	ND<5.0	6.6	350	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-4B		Jan-05	ND<5.0	9.0	810	20	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-4B		Apr-05	ND<5.0	110	69	ND<5.0	12	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-4B		Jul-05	ND<5.0	10	620	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-4B		Oct-05	ND<5.0	9.2	550	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-4B		Jan-06	ND<5.0	8.4	600	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-4B		Apr-06	ND<5.0	7.9	480	12	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-4B		Oct-06	ND<5.0	ND<5.0	580	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-4B		May-07	ND<5.0	7.3	230	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-4B		Jul-07	ND<5.0	5.7	430	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-4B		Oct-07	ND<5.0	7.9	550	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-4B		Oct-08	ND<5	5.3	500	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10
T-4B		Oct-09	ND<0.50	2.5	370	2.2	ND<0.50	ND<0.50	1.1	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	1.4	ND<0.50	ND<0.50	ND<1.0
T-4B		Oct-10	ND<0.50	3.7	360	10	ND<0.50	ND<0.50	1.2	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-4B		Oct-11	ND<5.0	5.6	570	5.1	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-4B		Oct-12	ND<5.0	8.4	600	17	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-4B		Oct-13	ND<5.0	9.2	830	1.4 J	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<10	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	--	--	--	--
T-4B		Oct-14	ND<5.0	5.2	500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	--	--	--	--
T-4B		Jun-15	ND<0.50	5	130	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-4B		Oct-15	ND<0.50	4	120	0.97	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-4B		May-16	ND<0.50	3.6	480	3.0	ND<0.50	ND<0.50	1.0	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-4B		Oct-16	ND<1.0	4	94	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	--	--	--	--
T-4B		Oct-17	ND<0.50	5.2	650	2.7	0.62	ND<0.50	2.2	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-4B		Oct-18	ND<10	ND<10	**700**	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<20	ND<10	ND<10	ND<20	ND<10	ND<10	--	--	--	--
T-4B		Oct-19	ND<5.0	**5.6**	**630**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<20	ND<10	ND<5.0	ND<5.0	--	--	--	--
T-4B		Oct-20	ND<10	5.0 J	**530**	2.2 J	ND<10	ND<10	ND<10	ND<10	ND<10	ND<20	ND<20	ND<10	ND<20	ND<10	ND<10	--	--	--	--
T-5B (ZB1)		Aug-83	ND<1.0	3,200	--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND	--	ND<1.0	ND	ND<1.0	--	--	--	--	--
T-5B		Mar-84	--	16,000	--	--	--	--	--	--	--	ND	--	--	ND	--	--	--	--	--	--
T-5B		Aug-84	ND	17,000	--	--	ND	ND	ND	ND	--	ND	--	10,000	ND	ND	--	--	--	--	--
T-5B		Nov-84	19	15,000	--	--	--	17	--	--	--	ND	--	--	ND	--	--	--	--	--	--
T-5B		Oct-85	73	19,000	--	--	ND<50	ND<50	ND<50	ND<50	--	ND	--	6,300	ND	ND<50	--	--	--	--	--
T-5B		Jan-86	ND<25	9,100	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	--	ND	ND<25	--	--	--	--	--
T-5B		Apr-86	ND<25	8,200	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	6,900	ND	ND<25	--	--	--	--	--
T-5B		Jul-86	ND<50	6,700	--	--	ND<50	ND<50	ND<50	ND<50	--	ND	--	3,300	ND	ND<50	--	--	--	--	--
T-5B		Sep-86	ND<100	20,500	--	--	ND<100	ND<100	ND<100	ND<100	--	ND	--	3,150	ND	ND<100	--	--	--	--	--
T-5B		Jan-87	33	4,900	--	--	ND<10	ND<10	ND<10	ND<10	--	ND	--	3,100	ND	ND<10	--	--	--	--	--
T-5B		Apr-87	ND<25	15,000	--	--	ND<25	ND<25	480	ND<25	--	ND	--	1,700	ND	ND<25	--	--	--	--	--
T-5B		Jun-87	140	5,500	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	1,800	ND	ND<25	--	--	--	--	--
T-5B		Oct-87	ND<50	7,800	--	--	ND<50	120	ND<50	ND<50	--	ND	--	1,800	ND	ND<50	--	--	--	--	--
T-5B		Jan-88	ND<250	17,000	--	--	ND<250	ND<250	ND<250	ND<250	--	ND	--	2,800	ND	ND<250	--	--	--	--	--
T-5B		Jun-88	ND<250	11,000	--	--	ND<250	ND<250	ND<250	ND<250	--	ND	--	1,200	ND	ND<250	--	--	--	--	--
T-5B		Jun-88	18	7,400	--	--	ND<0.5	7.8	2.5	1.4	--	ND	--	2,500	ND	ND<0.5	--	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			5	5	6	10	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-5B		Aug-88	ND<100	14,000	--	--	ND<100	ND<100	ND<100	ND<100	--	ND	--	2,700	ND	ND<100	--	--	--	--	--
T-5B		Nov-88	ND<5.0	5,500	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND	--	ND<5.0	ND	ND<5.0	--	--	--	--	--
T-5B		Nov-88	ND<50	8,000	--	--	ND<50	ND<50	ND<50	ND<50	--	ND	--	2,000	ND	ND<50	--	--	--	--	--
T-5B		Feb-89	ND<250	8,000	--	--	ND<250	ND<250	ND<250	ND<250	--	ND	--	2,000	ND	ND<250	--	--	--	--	--
T-5B		Aug-89	ND<50	10,000	--	--	ND<50	ND<50	ND<50	ND<50	--	ND	--	2,100	ND	ND<50	--	--	--	--	--
T-5B		Aug-89	ND<50	9,200	--	--	ND<50	ND<50	ND<50	ND<50	--	ND	--	2,300	ND	ND<50	--	--	--	--	--
T-5B		Oct-89	33	6,700	--	--	ND<2.0	2	ND<2.0	ND<2.0	--	ND	--	2,700	ND	ND<2.0	--	--	--	--	--
T-5B		Jan-90	ND<20	5,500	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	1,300	ND	ND<20	ND	--	--	--	--
T-5B		Apr-90	ND<20	3,000	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	250	ND	ND<20	ND	--	--	--	--
T-5B		Jul-90	ND<20	4,100	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	910	ND	ND<20	ND	--	--	--	--
T-5B		Oct-90	ND<50	6,300	--	--	ND<50	ND<50	ND<50	ND<50	ND	ND	ND	270	ND	ND<50	ND	--	--	--	--
T-5B		Jan-91	ND<20	2,500	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	280	ND	ND<20	ND	--	--	--	--
T-5B		Apr-91	ND<20	5,700	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	1,600	ND	ND<20	ND	--	--	--	--
T-5B		Jul-91	ND<50	9,300	--	--	ND<50	ND<50	ND<50	ND<50	ND	ND	ND	2,200	ND	ND<50	ND	--	--	--	--
T-5B		Oct-91	ND<100	12,000	--	--	ND<100	ND<100	ND<100	ND<100	ND	ND	ND	1,900	ND	ND<100	ND	--	--	--	--
T-5B		Jan-92	ND<100	16,000	--	--	ND<100	ND<100	ND<100	ND<100	ND	ND	ND	2,800	ND	ND<100	ND	--	--	--	--
T-5B		Apr-92	ND<100	11,000	--	--	ND<100	ND<100	ND<100	ND<100	ND	ND	ND	2,400	ND	ND<100	ND	--	--	--	--
T-5B		Oct-92	ND<1000	3,600	--	--	ND<1.0	2.2	ND<0.5	10	ND	ND	ND	--	ND	ND<0.5	ND	--	--	--	--
T-5B		Oct-92	ND<150	4,000	--	--	ND<150	ND<150	ND<150	ND<150	ND	ND	ND	640	ND	ND<150	ND	--	--	--	--
T-5B		Oct-93	ND<5.0	500	--	--	ND<10	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	54	ND	ND<5.0	ND	--	--	--	--
T-5B		Oct-94	ND<25	420	--	--	ND<25	ND<25	ND<25	ND<25	ND	ND	ND	41	ND	ND<25	ND	--	--	--	--
T-5B		Oct-95	ND<1.0	110	--	--	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	4.9	ND	ND<1.0	ND	--	--	--	--
T-5B		Oct-96	ND<1.3	390	8.2	ND<1.3	ND<1.3	ND<1.3	ND<1.3	ND<1.3	ND	ND	ND	34	ND	ND<1.3	ND	--	--	--	--
T-5B		Oct-97	ND<10	360	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<20	ND	--	--	--	--
T-5B		Oct-98	ND<10	300	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND	ND	15	ND	ND<10	ND	--	--	--	--
T-5B		Oct-99	ND<10	500	16	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND	ND	63	ND	ND<10	ND	--	--	--	--
T-5B		Oct-00	ND<200	2,400	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND	ND	260	ND	ND<200	ND<200	--	--	--	--
T-5B		Oct-01	ND<50	1,700	88	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<100	ND<200	ND<200	ND<50	ND<50	--	--	--	--
T-5B	Dup	Oct-18	ND<50	1,900	91	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<100	ND<200	ND<200	ND<50	ND<50	--	--	--	--
T-5B		Oct-02	30	2,200	55	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<40	ND<40	450	ND<80	ND<20	ND<20	--	--	--	--
T-5B	Dup	Oct-18	ND<20	2,100	52	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<40	ND<40	410	ND<80	ND<20	ND<20	--	--	--	--
T-5B		Oct-03	ND<10	720	18	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<20	ND<20	31	ND<40	ND<10	ND<10	--	--	--	--
T-5B	Dup	Oct-18	ND<10	1,200	29	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<20	ND<20	60	ND<40	ND<10	ND<10	--	--	--	--
T-5B		Oct-04	ND<5.0	720	21	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<10	49	ND<20	ND<5.0	ND<5.0	--	--	--	--
T-5B	Dup	Oct-18	ND<5.0	760	21	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<10	63	ND<20	ND<5.0	ND<5.0	--	--	--	--
T-5B		Oct-05	ND<5.0	420	12	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	44	ND<5.0	ND<5.0	ND<5.0	--	--	--	--
T-5B	Dup	Oct-18	ND<5.0	410	12	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	40	ND<5.0	ND<5.0	ND<5.0	--	--	--	--
T-5B		Oct-06	ND<2.0	270	5.9	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	ND<2.0	18	ND<4.0	ND<2.0	ND<2.0	--	--	--	--
T-5B	Dup	Oct-18	ND<2.0	270	6.1	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	ND<2.0	20	ND<4.0	ND<2.0	ND<2.0	--	--	--	--
T-5B		Oct-07	6.2	2,300	46	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	ND<2.0	470	ND<4.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0
T-5B	Dup	Oct-18	5.9	2,200	45	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	ND<2.0	380	ND<4.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0
T-5B		Oct-08	ND<20	2,300	39	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<40	ND<20	550	ND<40	ND<20	ND<20	ND<20	ND<20	ND<20	ND<40
T-5B	Dup	Oct-18	ND<20	2,200	39	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<40	ND<20	540	ND<40	ND<20	ND<20	ND<20	ND<20	ND<20	ND<40
T-5B		Oct-09	1.5	380	14	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-5B	Dup	Oct-18	1.3	390	12	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	45	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-5B		Oct-10	3.3	1,200	51	1.2	ND<0.50	ND<0.50	1.2	0.57	ND<0.50	ND<1.0	ND<0.50	89	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-5B	Dup	Oct-18	3.5	1,200	49	1.2	ND<0.50	ND<0.50	1.2	0.59	ND<0.50	ND<1.0	ND<0.50	96	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-5B		Oct-11	ND<10	1,700	58	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	200	200	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<20
T-5B	Dup	Oct-18	ND<25	1,700	58	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	200	200	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<50
T-5B		Oct-12	ND<10	1,600	70/71	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<20	ND<10	170/180	ND<20	ND<10	ND<10	ND<10	ND<10	ND<10	ND<20
T-5B		Oct-13	4.5 J	1,500	51	ND<10	ND<10	ND<10	ND<10	ND<10		ND<20	ND<10	150	ND<20	ND<10	ND<10	--	--	--	--
T-5B	Dup	Oct-18	4.8 J	1,400	73	1.8 J	ND<5.0	ND<5.0	2.3 J	ND<5.0		ND<10	ND<5.0	190	ND<10	ND<5.0	ND<5.0	--	--	--	--
T-5B		Oct-14	ND<10	1,500	58	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<20	ND<10	140	ND<20	ND<10	ND<10	--	--	--	--
T-5B	Dup	Oct-18	ND<25	1,600	64	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<50	ND<25	160	ND<50	ND<25	ND<25	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-5B		Oct-15	3.7	1,700	62	1.1	ND<0.50	ND<0.50	1.2	ND<0.50	ND<0.50	ND<1.0	ND<0.50	120	ND<1.0	ND<0.50	1	--	--	--	--
T-5B	Dup	Oct-18	3.9	1,800	62	1.2	ND<0.50	ND<0.50	1.3	ND<0.50	ND<0.50	ND<1.0	ND<0.50	130	ND<1.0	ND<0.50	1	--	--	--	--
T-5B		Oct-16	ND<2.5	170	8.8	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	6.1	ND<5.0	ND<2.5	ND<2.5	--	--	--	--
T-5B	Dup	Oct-18	ND<2.5	130	7.3	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	5.3	ND<5.0	ND<2.5	ND<2.5	--	--	--	--
T-5B		Oct-17	ND<50	1500	54	ND<50	ND<50	ND<50	ND<50	ND<50	--	ND<100	ND<50	170	ND<100	ND<50	ND<50	--	--	--	--
T-5B	Dup	Oct-17	ND<25	1500	54	ND<25	ND<25	ND<25	ND<25	ND<25	--	ND<50	ND<25	160	ND<50	ND<25	ND<25	--	--	--	--
T-5B		Oct-18	ND<25	**1,200**	**39**	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<50	ND<25	120	ND<50	ND<25	ND<25	--	--	--	--
T-5B	Dup	Oct-18	ND<50	**1,200**	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<100	ND<50	140	ND<100	ND<50	ND<50	--	--	--	--
T-5B		Oct-19	ND<10	**1,200**	**49**	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<20	94	ND<20	ND<10	ND<10	--	--	--	--
T-5B	Dup	Oct-19	ND<10	**830**	**45**	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<20	69	ND<20	ND<10	ND<10	--	--	--	--
T-5B		Oct-20	2.2 J	**810**	**51**	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<20	ND<20	88	ND<20	ND<10	ND<10	--	--	--	--
T-5B (Dup)	Dup	Oct-20	ND<10	**690**	**49**	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<20	ND<20	69	ND<20	ND<10	ND<10	--	--	--	--
T-7B (ZB1)		Aug-84	ND	3,000	--	--	ND	ND	ND	ND	--	ND	--	100	ND	ND	--	--	--	--	--
T-7B		Nov-84	16	4,400	--	--	--	6.4	--	--	--	ND	--	--	ND	--	--	--	--	--	--
T-7B		Oct-85	60	3,300	--	--	ND<25	41	ND<25	ND<25	--	ND	--	420	ND	ND<25	--	--	--	--	--
T-7B		Jan-86	ND<25	3,500	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	--	ND	ND<25	--	--	--	--	--
T-7B		Apr-86	ND<25	3,500	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	ND<25	ND	ND<25	--	--	--	--	--
T-7B		Jul-86	ND<25	5,300	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	370	ND	ND<25	--	--	--	--	--
T-7B		Sep-86	ND<25	5,100	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	660	ND	ND<25	--	--	--	--	--
T-7B		Jan-87	24	3,100	--	--	ND<10	ND<10	ND<10	ND<10	--	ND	--	360	ND	ND<10	--	--	--	--	--
T-7B		Apr-87	ND<25	3,800	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	ND<25	ND	ND<25	--	--	--	--	--
T-7B		Jun-87	ND<25	3,200	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	87	ND	ND<25	--	--	--	--	--
T-7B		Oct-87	ND<25	2,600	--	--	ND<25	31	ND<25	ND<25	--	ND	--	54	ND	ND<25	--	--	--	--	--
T-7B		Jan-88	ND<25	2,100	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	280	ND	ND<25	--	--	--	--	--
T-7B		Jun-88	ND<10	1,300	--	--	ND<10	ND<10	ND<10	ND<10	--	ND	--	56	ND	ND<10	--	--	--	--	--
T-7B		Aug-88	ND<25	1,800	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	69	ND	ND<25	--	--	--	--	--
T-7B		Nov-88	ND<10	1,300	--	--	ND<10	ND<10	ND<10	ND<10	--	ND	--	50	ND	ND<10	--	--	--	--	--
T-7B		Feb-89	ND<25	1,600	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	420	ND	ND<25	--	--	--	--	--
T-7B		May-89	6.0	1,400	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND	--	25	ND	ND<5.0	--	--	--	--	--
T-7B		Aug-89	5	980	--	--	13	13	ND<2.0	ND<2.0	--	ND	--	40	ND	ND<2.0	--	--	--	--	--
T-7B		Oct-89	ND<10	1,400	--	--	ND<10	ND<10	ND<10	ND<10	--	ND	--	20	ND	ND<10	--	--	--	--	--
T-7B		Jan-90	ND<5.0	960	--	--	ND<5.0	6.0	ND<5.0	ND<5.0	ND	ND	ND	21	ND	ND<5.0	ND	--	--	--	--
T-7B		Apr-90	ND<5.0	680	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-7B		Jul-90	ND<2.0	430	--	--	ND<2.0	2.0	ND<2.0	ND<2.0	ND	ND	ND	17	ND	ND<2.0	ND	--	--	--	--
T-7B		Oct-90	ND<5.0	760	--	--	ND<5.0	6.0	ND<5.0	ND<5.0	ND	ND	ND	22	ND	ND<5.0	ND	--	--	--	--
T-7B		Jan-91	ND<5.0	870	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	15	ND	ND<5.0	ND	--	--	--	--
T-7B		Apr-91	ND<2.0	460	--	--	ND<2.0	4.0	ND<2.0	ND<2.0	ND	ND	ND	ND<2.0	ND	ND<2.0	ND	--	--	--	--
T-7B		Jul-91	6.0	980	--	--	ND<5.0	11	ND<5.0	ND<5.0	ND	ND	ND	35	ND	ND<5.0	ND	--	--	--	--
T-7B		Oct-91	7.0	960	--	--	ND<5.0	14	ND<5.0	ND<5.0	ND	ND	ND	18	ND	ND<5.0	ND	--	--	--	--
T-7B		Jan-92	ND<10	1,800	--	--	ND<10	29	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<10	ND	--	--	--	--
T-7B		Apr-92	ND<10	1,800	--	--	ND<10	40	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<10	ND	--	--	--	--
T-7B		Oct-92	1.7	630	--	--	3.1	5.7	ND<0.5	ND<0.5	ND	ND	ND	--	ND	ND<0.5	ND	--	--	--	--
T-7B		Oct-93	ND<5.0	590	--	--	ND<10	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	11	ND	ND<5.0	ND	--	--	--	--
T-7B		Oct-94	ND<5.0	100	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-7B		Oct-95	ND<1.0	42	--	--	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	2.4	ND	ND<1.0	ND	--	--	--	--
T-7B		Oct-96	ND<0.5	39	5.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	1.9	ND	ND<0.5	ND	--	--	--	--
T-7B		Oct-97	ND<0.5	18	2.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	1.9	ND	ND<1.0	ND<0.5	--	--	--	--
T-7B		Oct-98	ND<1.0	15	1.3	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	5.1	ND	ND<1.0	ND<1.0	--	--	--	--
T-7B		Oct-99	ND<1.0	4.7	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND<1.0	--	--	--	--
T-7B		Sep-00	1.6	270	29	ND<1.0	ND<2.0	2.5	1.2	ND<1.0	ND	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-7B		Oct-00	ND<10	180	24	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND	ND<10	ND	ND<10	ND<10	--	--	--	--
T-7B		Nov-00	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-7B		Dec-00	ND<1.0	1.7	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-7B		Feb-01	1.2	230	29	ND<1.0	ND<2.0	1.4	ND<1.0	ND<1.0	ND	11	14	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-7B		Apr-01	1.4	200	34	ND<1.0	ND<2.0	1.8	1.2	ND<1.0	ND	20	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-7B		Jun-01	ND<1.0	68	61	ND<1.0	3.6	ND<1.0	1.6	ND<1.0	ND	51	24	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-7B		Aug-01	2.1	340	46	1.3	ND<2.0	1.9	2.4	ND<1.0	ND	8.6	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-7B		Oct-01	ND<5.0	210	25	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	13	ND<5.0	ND<5.0	ND<5.0	--	--	--	--
T-7B	Dup	Oct-18	ND<5.0	200	25	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	12	ND<5.0	ND<5.0	ND<5.0	--	--	--	--
T-7B		Jan-02	ND<10	300	29	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND<20	ND<10	ND<10	ND	ND<10	ND<10	--	--	--	--
T-7B		Apr-02	ND<10	240	24	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND<20	ND<10	35	ND	ND<10	ND<10	--	--	--	--
T-7B		Jul-02	ND<10	350	34	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND<20	ND<10	60	ND	ND<10	ND<10	--	--	--	--
T-7B		Oct-02	ND<5.0	170	24	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<10	55	ND<20	ND<5.0	ND<5.0	--	--	--	--
T-7B	Dup	Oct-18	ND<2.0	160	24	ND<2.0	2	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	ND<4.0	53	ND<8.0	ND<2.0	ND<2.0	--	--	--	--
T-7B		Apr-03	ND<1.0	140	18	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	2.9	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-7B		Oct-03	ND<5.0	190	28	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	ND<10	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-7B	Dup	Oct-18	ND<5.0	190	29	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	ND<10	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-7B		Oct-04	ND<1.0	140	14	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	2.3	ND<4.0	ND<1.0	ND<1.0	--	--	--	--
T-7B	Dup	Oct-18	ND<1.0	140	14	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	2.4	ND<4.0	ND<1.0	ND<1.0	--	--	--	--
T-7B		Oct-05	ND<1.0	95	13	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	1.9	ND<1.0	ND<1.0	ND<1.0	--	--	--	--
T-7B	Dup	Oct-18	ND<1.0	88	13	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	1.7	ND<1.0	ND<1.0	ND<1.0	--	--	--	--
T-7B		Oct-06	0.71	80	10	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	1.9	ND<0.5	ND<0.5	ND<0.5	--	--	--	--
T-7B	Dup	Oct-18	0.58	88	10	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	1.8	ND<0.5	ND<0.5	ND<0.5	--	--	--	--
T-7B		Oct-07	1.80	190	16	0.63	ND<0.5	0.92	0.65	0.55	ND<0.5	ND<1.0	ND<0.5	6.6	ND<0.5	3.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0
T-7B	Dup	Oct-18	1.70	200	16	0.62	ND<0.5	0.92	0.65	0.57	ND<0.5	ND<1.0	ND<0.5	6.4	ND<0.5	3.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0
T-7B		Oct-08	ND<2	180	9.4	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<4	ND<2	5.7	ND<4	3.0	ND<2	ND<2	ND<2	ND<2	ND<4
T-7B	Dup	Oct-18	ND<2	150	7.6	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<4	ND<2	4.8	ND<4	2.3	ND<2	ND<2	ND<2	ND<2	ND<4
T-7B		Oct-09	0.79	150	10	ND<0.50	0.63	0.52	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	3.1	ND<1.0	1.2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-7B	Dup	Oct-18	0.77	140	9.8	ND<0.50	0.60	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	2.8	ND<1.0	1.2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-7B		Oct-10	ND<1.0	130	12	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	2.7	ND<2.0	1.8	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-7B	Dup	Oct-18	ND<1.0	140	13	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	2.9	ND<2.0	2.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-7B		Oct-11	1.1	170	14	0.57	0.82	0.56	0.55	0.5	ND<0.50	ND<1.0	ND<0.50	4	ND<1.0	2.4	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-7B	Dup	Oct-18	1.0	180	14	0.57	0.81	0.58	0.58	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4	ND<1.0	2.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-7B		Oct-12	0.55/0.70	160/170	15	0.75/0.79	ND<0.5	0.52/0.55	0.61/0.60	0.51/0.52	ND<0.5	ND<1.0	ND<0.5	3.2/3.6	ND<1.0	1.6/2.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0
T-7B		Oct-13	0.86	150	10	0.77	0.38 J	0.58	0.73	0.55		ND<1.0	ND<0.50	4.3	ND<1.0	2.2	ND<0.50	--	--	--	--
T-7B	Dup	Oct-18	0.85	150	11	0.76	0.39 J	0.59	0.70	0.56		ND<1.0	ND<0.50	4.3	ND<1.0	2.1	ND<0.50	--	--	--	--
T-7B		Oct-14	0.74	170	11	0.78	ND<0.50	ND<0.50	0.61	ND<0.50	ND<0.50	ND<1.0	ND<0.50	3.2	ND<1.0	2.1	ND<0.50	--	--	--	--
T-7B	Dup	Oct-18	0.84	170	12	0.97	ND<0.50	0.51	0.74	0.57	ND<0.50	ND<1.0	ND<0.50	4.4	ND<1.0	2.4	ND<0.50	--	--	--	--
T-7B		Jun-15	0.54	140	10	0.64	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	2.6	ND<1.0	1.1	ND<0.50	--	--	--	--
T-7B	Dup	Jun-18	0.63	150	9.8	0.66	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	2.8	ND<1.0	1.3	ND<0.50	--	--	--	--
T-7B		Oct-15	ND<0.50	72	4.8	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	0.81	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-7B	Dup	Oct-18	ND<0.50	73	4.8	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	0.81	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-7B		Oct-16	ND<0.50	21	1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-7B	Dup	Oct-18	ND<0.50	21	1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-7B		May-17	0.54	160	11	0.97	ND<0.50	ND<0.50	0.54	ND<0.50	--	ND<1.0	ND<0.50	3.2	ND<1.0	1.6	ND<0.50	--	--	--	--
T-7B	Dup	May-18	0.62	180	12	1.1	ND<0.50	ND<0.50	0.53	ND<0.50	--	ND<1.0	ND<0.50	3.4	ND<1.0	1.8	ND<0.50	--	--	--	--
T-7B		Oct-17	ND<5.0	190	9.7	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<10	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	--	--	--	--
T-7B	Dup	Oct-17	0.64	190	12	1.1	ND<0.50	ND<0.50	0.57	ND<0.50	--	ND<1.0	ND<0.50	4.1	ND<1.0	2.0	ND<0.50	--	--	--	--
T-7B		Oct-18	ND<0.50	**54**	2.4	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	1.0	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-7B	Dup	Oct-18	ND<0.50	**57**	2.2	ND<0.50 *	ND<0.50	ND<0.50	ND<0.50 *	ND<0.50	ND<0.50	ND<1.0	ND<0.50	0.91	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-7B		Oct-19	0.50	**160**	**12**	1.3	ND<0.50	0.28 J	0.55	0.43 J	ND<0.50	ND<0.50	ND<1.0	3.9	ND<1.0	1.4	ND<0.50	--	--	--	--
T-7B	Dup	Oct-19	0.42 J	**150**	**11**	1.4	ND<0.50	0.33 J	0.52	0.42 J	ND<0.50	ND<0.50	ND<1.0	4.2	ND<1.0	1.3	ND<0.50	--	--	--	--
T-7B		Oct-20	ND<1.0	**64**	5.5	0.36 J	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	1.2	ND<2.0	ND<1.0	ND<1.0	--	--	--	--
T-7B (Dup)	Dup	Oct-20	ND<1.0	**70**	5.2	0.35 J	ND<1.0	ND<1.0	ND<1.0	0.22 J	ND<1.0	ND<2.0	ND<2.0	1.4	ND<2.0	ND<1.0	ND<1.0	--	--	--	--
T-8B (ZB1)		Aug-84	260	2,300	--	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	--	--	--	--	--
T-8B		Nov-84	360	2,600	--	--	--	6	--	--	--	ND	--	--	ND	--	--	--	--	--	--
T-8B		Oct-85	370	1,600	--	--	ND<25	63	ND<25	ND<25	--	ND	--	200	ND	ND<25	--	--	--	--	--
T-8B		Oct-85	330	1,600	--	--	ND<25	62	ND<25	ND<25	--	ND	--	250	ND	ND<25	--	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-8B		Mar-86	810	2,200	--	--	ND<10	ND<10	ND<10	ND<10	--	ND	--	--	ND	ND<10	--	--	--	--	--
T-8B		Mar-86	750	2,800	--	--	ND<10	ND<10	ND<10	ND<10	--	ND	--	--	ND	ND<10	--	--	--	--	--
T-8B		Mar-86	1,100	4,300	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	--	ND	ND<25	--	--	--	--	--
T-8B		Apr-86	240	650	--	--	360	ND<5.0	ND<5.0	ND<5.0	--	ND	--	ND<5.0	ND	ND<5.0	--	--	--	--	--
T-8B		Jul-86	170	ND<5.0	--	--	ND<5.0	25	ND<5.0	ND<5.0	--	ND	--	ND<5.0	ND	ND<5.0	--	--	--	--	--
T-8B		Jan-87	170	570	--	--	170	19	4.8	ND<2.5	--	ND	--	ND<2.5	ND	90	--	--	--	--	--
T-8B		Jul-87	85	720	--	--	260	12	ND<10	ND<10	--	ND	--	ND<10	ND	17	--	--	--	--	--
T-8B		Oct-87	63	610	--	--	460	33	4.9	ND<5.0	--	ND	--	55	ND	36	--	--	--	--	--
T-8B		Jan-88	79	1,000	--	--	690	100	ND<10	ND<10	--	ND	--	59	ND	41	--	--	--	--	--
T-8B		May-88	40	750	--	--	770	24	5.2	ND<5.0	--	ND	--	24	ND	41	--	--	--	--	--
T-8B		Aug-88	24	370	--	--	1,800	28	ND<10	ND<10	--	ND	--	36	ND	ND<10	--	--	--	--	--
T-8B		Nov-88	25	360	--	--	490	15	ND<5.0	ND<5.0	--	ND	--	15	ND	ND<5.0	--	--	--	--	--
T-8B		Feb-89	51	2,500	--	--	870	ND<25	ND<25	ND<25	--	ND	--	ND<25	ND	ND<25	--	--	--	--	--
T-8B		May-89	54	1,700	--	--	880	ND<10	ND<10	ND<10	--	ND	--	ND<10	ND	ND<10	--	--	--	--	--
T-8B		Apr-90	40	1,600	--	--	1,700	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<10	ND	--	--	--	--
T-8B		Jul-90	26	810	--	--	390	12	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-8B		Oct-90	17	600	--	--	350	10	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-8B		Jan-91	26	660	--	--	ND<5.0	9.0	5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-8B		Apr-91	20	680	--	--	ND<10	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<10	ND	--	--	--	--
T-8B		Jul-91	18	420	--	--	ND<2.0	19	6.0	2.0	ND	ND	ND	5.0	ND	6.0	ND	--	--	--	--
T-8B		Oct-91	20	440	--	--	ND<2.0	26	6	ND<2.0	ND	ND	ND	ND<2.0	ND	ND<2.0	ND	--	--	--	--
T-8B		Jan-92	ND<50	6,000	--	--	ND<50	ND<50	ND<50	ND<50	ND	ND	ND	160	ND	ND<50	ND	--	--	--	--
T-8B		Apr-92	14	620	--	--	110	38	8.0	ND<5.0	ND	ND	ND	ND<5.0	ND	10	ND	--	--	--	--
T-8B		Oct-92	13	410	--	--	62	11	5.3	3.8	ND	ND	ND	--	ND	17	ND	--	--	--	--
T-8B		Apr-93	10	370	--	--	240	8.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-8B		Oct-93	10	320	--	--	140	5.0	ND<5.0	ND<5.0	ND	ND	ND	6.0	ND	ND<5.0	ND	--	--	--	--
T-8B		Apr-94	13	390	--	--	220	9.0	ND<5.0	ND<5.0	ND	ND	ND	3.6	ND	10	ND	--	--	--	--
T-8B		Oct-94	ND<25	270	--	--	ND<25	ND<25	ND<25	ND<25	ND	ND	ND	ND<25	ND	ND<25	ND	--	--	--	--
T-8B		Apr-95	9.9	240	--	--	41	4.9	ND<4.0	ND<4.0	ND	ND	ND	ND<4.0	ND	ND<4.0	ND	--	--	--	--
T-8B		Oct-95	8.1	230	--	--	37	5.5	3.1	ND<2.5	ND	ND	ND	3.3	ND	3.7	ND	--	--	--	--
T-8B		Apr-96	8.2	260	--	--	ND<2.5	4.8	2.5	ND<2.5	ND	ND	ND	ND<2.5	ND	ND<2.5	ND	--	--	--	--
T-8B		Oct-96	5.4	200	310	5.2	44	3.8	2.4	1.6	ND	ND	ND	3.2	ND	5.8	ND	--	--	--	--
T-8B		Apr-97	7.1	220	320	5.4	28	4.0	3.0	2.0	ND	ND	ND	4.2	ND	4.8	ND	--	--	--	--
T-8B		Oct-97	ND<10	210	350	ND<10	35	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<20	ND<10	--	--	--	--
T-8B		Apr-98	ND<5.0	200	220	ND<5.0	42	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<20	ND	ND<5.0	ND<30	--	--	--	--
T-8B		Oct-98	ND<10	180	200	ND<10	19	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<10	ND<10	--	--	--	--
T-8B		Apr-99	ND<10	170	160	ND<10	15	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<10	ND<10	--	--	--	--
T-8B		Oct-99	6.5	190	160	ND<5.0	19	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	5.8	ND<5.0	--	--	--	--
T-8B		Oct-00	ND<10	170	160	ND<10	25	ND<10	ND<10	ND<10	--	ND	ND	ND<10	ND	--	ND<10	--	ND<1.0	ND<1.0	ND<2.0
T-8B		Nov-00	3.6	140	240	3.5	32	3.8	2.2	1.3	--	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-8B		Dec-00	ND<1.0	41	14	1.7	6.8	2	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-8B		Feb-01	1.6	65	150	2.4	100	1.3	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	1.7	ND<1.0	1.3
T-8B		Apr-01	1.6	68	99	2.7	99	1.5	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-8B		Jun-01	1.9	110	120	3.3	100	2.5	1.4	1.3	--	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	1.6	ND<2.0
T-8B		Aug-01	2.2	130	140	4.7	110	1.7	1.1	1.1	--	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-8B		Oct-01	1.8	120	120	4.5	ND<2.0	1.9	1.6	1.2	--	ND<2.0	ND<2.0	--	ND<2.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-8B		Jan-02	1.8	98	90	3.8	76	1.1	1.3	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	1.6	6.7	7.2
T-8B		Mar-02	2.1	81	78	3.1	92	1.2	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-8B		Jul-02	ND<1.0	64	72	ND<1.0	180	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-8B		Oct-02	1.6	75	77	ND<1.0	96	1.2	1.2	1.2	--	ND<2.0	ND<2.0	--	ND<1.0	--	ND<1.0	1.1	ND<1.0	ND<1.0	ND<2.0
T-8B		Jan-03	1.7	82	68	2.5	80	1.5	1.2	1.4	--	ND<2.0	ND<2.0	--	ND<1.0	--	ND<1.0	--	--	--	--
T-8B		Apr-03	ND<1.0	59	59	2.3	260	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-8B		Jul-03	1.1	60	60	3.6	120	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-8B		Oct-03	ND<5.0	98	79	ND<5.0	230	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-8B		Apr-04	1.7	53	58	3.8	99	ND<1.0	ND<1.0	1.5	--	ND<2.0	ND<2.0	--	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-8B		Jul-04	ND<5.0	100	80	ND<5.0	150	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-8B		Oct-04	ND<2.0	33	72	3.0	140	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	ND<4.0	ND<2.0	ND<8.0	6.8	ND<2.0	--	--	--	--
T-8B		Apr-05	ND<5.0	47	100	ND<5.0	310	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8B		Jul-05	ND<5.0	38	150	ND<5.0	120	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8B		Oct-05	ND<5.0	7.7	190	6.3	160	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8B		Jan-06	ND<5.0	9.0	200	5.6	170	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8B		Apr-06	ND<5.0	7.5	300	14	120	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8B		Jul-06	ND<5.0	5.8	230	ND<5.0	64	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8B		Oct-06	ND<5.0	6.3	220	ND<5.0	47	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8B		Jan-07	ND<5.0	20.0	260	ND<5.0	120	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8B		Apr-07	ND<5.0	25.0	180	ND<5.0	65	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8B		Oct-07	ND<5.0	7.5	220	5.9	35	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-8B		Oct-08	ND<2	36	150	3.0	34	ND<2	ND<2	ND<2	ND<2	ND<4	ND<2	ND<2	ND<4	7.1	ND<2	ND<2	ND<2	ND<2	ND<4
T-8B		Oct-09	0.68	29	39	6.6	0.97	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-8B		Oct-10	0.59	22	130	3.5	18	ND<0.50	0.73	0.74	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	3.7	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-8B		Oct-11	0.92	24	190	4.1	21	ND<0.50	1.1	0.85	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0	7.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-8B		Oct-12	ND<2.5	25	290	11	10	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<5.0	7.6	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0
T-8B		Oct-13	ND<2.5	36	450	8.8	17	ND<2.5	3.0	ND<2.5		ND<5.0	ND<2.5	ND<2.5	ND<5.0	10	ND<2.5	--	--	--	--
T-8B		Oct-14	ND<0.50	10	270	7.3	16	ND<0.50	1.8	0.90	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	7.5	ND<0.50	--	--	--	--
T-8B		Jun-15	ND<5.0	ND<5.0	150	7.8	55	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	--	--	--	--
T-8B		Oct-15	ND<0.50	1.20	29	2.2	24	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2	ND<0.50	--	--	--	--
T-8B		May-16	ND<0.50	4.4	310	5.8	49	ND<0.50	0.86	0.82	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	5.9	ND<0.50	--	--	--	--
T-8B		Oct-16	ND<0.50	0.84	6.2	1.2	10	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0 *	0.5	ND<0.50	--	--	--	--
T-8B		Oct-17	ND<10	ND<10	420	ND<10	27	ND<10	ND<10	ND<10	--	ND<20	ND<10	ND<10	ND<20	ND<10	ND<10	--	--	--	--
T-8B	Dup	Oct-17	ND<10	ND<10	420	ND<10	27	ND<10	ND<10	ND<10	--	ND<20	ND<10	ND<10	ND<20	ND<10	ND<10	--	--	--	--
T-8B		Oct-18	ND<10	**18**	**460**	ND<10	**20**	ND<10	ND<10	ND<10	ND<10	ND<20	ND<10	ND<10	ND<20	ND<10	ND<10	--	--	--	--
T-8B		Oct-19	ND<2.5	**15**	**420**	8.0	**20**	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<10	ND<5.0	6.4	ND<2.5	--	--	--	--
T-8B		Oct-20	ND<5.0	**7.6**	**400**	4.1 J	**19**	ND<5.0	1.5 J	ND<5.0	ND<5.0	ND<10	ND<10	ND<5.0	ND<10	2.8 J	ND<5.0	--	--	--	--
T-9B (ZB1)		Aug-84	330	7,900	--	--	ND	ND	ND	ND	--	ND	--	700	ND	ND	--	--	--	--	--
T-9B		Nov-84	15	2,900	--	--	--	ND<25	--	--	--	ND	--	--	ND	--	--	--	--	--	--
T-9B		Oct-85	320	29,000	--	--	ND<50	ND<50	ND<50	ND<50	--	ND	--	1,200	ND	ND<50	--	--	--	--	--
T-9B		Mar-86	ND<100	9,600	--	--	ND<100	ND<100	ND<100	ND<100	--	ND	--	--	ND	ND<100	--	--	--	--	--
T-9B		Mar-86	ND<100	16,000	--	--	ND<100	ND<100	ND<100	ND<100	--	ND	--	--	ND	ND<100	--	--	--	--	--
T-9B		Mar-86	590	14,000	--	--	ND<100	ND<100	ND<100	ND<100	--	ND	--	--	ND	ND<100	--	--	--	--	--
T-9B		Apr-86	98	7,300	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	ND<25	ND	ND<25	--	--	--	--	--
T-9B		Jul-86	ND<50	7,900	--	--	ND<50	ND<50	ND<50	ND<50	--	ND	--	ND<50	ND	ND<50	--	--	--	--	--
T-9B		Jan-87	ND<50	17,000	--	--	ND<50	160	ND<50	ND<50	--	ND	--	620	ND	ND<50	--	--	--	--	--
T-9B		Jul-87	44	1,300	--	--	220	30	ND<10	ND<10	--	ND	--	36	ND	54	--	--	--	--	--
T-9B		Oct-87	ND<50	6,900	--	--	150	ND<50	ND<50	ND<50	--	ND	--	390	ND	ND<50	--	--	--	--	--
T-9B		Nov-87	ND<50	3,900	--	--	150	ND<50	ND<50	ND<50	--	ND	--	290	ND	--	--	--	--	--	--
T-9B		Jan-88	50	4,800	--	--	ND<10	10	ND<10	ND<10	--	ND	--	180	ND	ND<10	--	--	--	--	--
T-9B		Jan-88	ND<100	12,000	--	--	ND<100	ND<100	ND<100	ND<100	--	ND	--	ND<100	ND	ND<100	--	--	--	--	--
T-9B		May-88	360	12,000	--	--	120	180	ND<100	ND<100	--	ND	--	1,700	ND	ND<100	--	--	--	--	--
T-9B		Aug-88	ND<50	6,000	--	--	ND<50	ND<50	ND<50	ND<50	--	ND	--	ND<50	ND	ND<50	--	--	--	--	--
T-9B		Aug-88	36	5,200	--	--	18	13	4.7	1.5	--	ND	--	170	ND	8	--	--	--	--	--
T-9B		Nov-88	50	6,900	--	--	ND<50	80	ND<50	ND<50	--	ND	--	310	ND	ND<50	--	--	--	--	--
T-9B		Feb-89	ND<25	6,400	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	200	ND	ND<25	--	--	--	--	--
T-9B		Jun-89	39	3,500	--	--	73	ND<10	ND<10	ND<10	--	ND	--	150	ND	ND<10	--	--	--	--	--
T-9B		Aug-89	61	7,300	--	--	ND<50	ND<50	ND<50	ND<50	--	ND	--	200	ND	ND<50	--	--	--	--	--
T-9B		Oct-89	38	3,800	--	--	20	ND<10	ND<10	ND<10	--	ND	--	50	ND	ND<10	--	--	--	--	--
T-9B		Jan-90	61	6,100	--	--	ND<50	ND<50	ND<50	ND<50	ND	ND	ND	ND<50	ND	ND<50	ND	--	--	--	--
T-9B		Jul-90	30	5,200	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	ND<20	ND	ND<20	ND	--	--	--	--
T-9B		Oct-90	ND<20	3,900	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	ND<20	ND	ND<20	ND	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-9B		Jan-91	10	2,200	--	--	30	ND<10	10	ND<10	ND	ND	ND	20	ND	ND<10	ND	--	--	--	--
T-9B		Apr-91	ND<20	2,100	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	ND<20	ND	ND<20	ND	--	--	--	--
T-9B		Jul-91	ND<20	3,100	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	ND<20	ND	ND<20	ND	--	--	--	--
T-9B		Oct-91	ND<20	3,200	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	ND<20	ND	ND<20	ND	--	--	--	--
T-9B		Jan-92	ND<30	4,100	--	--	ND<30	ND<30	ND<30	ND<30	ND	ND	ND	ND<30	ND	ND<30	ND	--	--	--	--
T-9B		Apr-92	ND<50	5,600	--	--	ND<50	ND<50	ND<50	ND<50	ND	ND	ND	ND<50	ND	ND<50	ND	--	--	--	--
T-9B		Oct-92	36	5,100	--	--	19	3.9	ND<0.5	3.4	ND	ND	ND	--	ND	6.1	ND	--	--	--	--
T-9B		Apr-93	ND<50	3,200	--	--	ND<100	ND<50	ND<50	ND<50	ND	ND	ND	69	ND	ND<50	ND	--	--	--	--
T-9B		Oct-93	14	1,900	--	--	35	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	51	ND	ND<5.0	ND	--	--	--	--
T-9B		Apr-94	22	1,300	--	--	55	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	28	ND	5.0	ND	--	--	--	--
T-9B		Oct-94	ND<25	1,200	--	--	ND<25	ND<25	ND<25	ND<25	ND	ND	ND	ND<25	ND	ND<25	ND	--	--	--	--
T-9B		Apr-95	ND<20	1,300	--	--	ND<40	ND<20	ND<20	ND<20	ND	ND	ND	ND<20	ND	ND<20	ND	--	--	--	--
T-9B		Oct-95	11	1,100	--	--	22	ND<10	ND<10	ND<10	ND	ND	ND	12	ND	ND<10	ND	--	--	--	--
T-9B		Apr-96	19	1,000	--	--	15	ND<2.5	ND<2.5	ND<2.5	ND	ND	ND	9.3	ND	6.1	ND	--	--	--	--
T-9B		Oct-96	12	1,200	110	ND<5.0	25	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	13	ND	ND<5.0	ND	--	--	--	--
T-9B		Apr-97	15	1,300	130	ND<6.3	33	ND<6.3	ND<6.3	ND<6.3	ND	ND	ND	26	ND	8.1	ND	--	--	--	--
T-9B		Oct-97	ND<50	1,600	150	ND<50	ND<50	ND<50	ND<50	ND<50	ND	ND	ND	ND<50	ND	ND<100	ND<50	--	--	--	--
T-9B		Apr-98	ND<100	2,200	130	ND<100	ND<100	ND<100	ND<100	ND<100	ND	ND	ND	ND<400	ND	ND<100	ND<600	--	--	--	--
T-9B	Dup	Apr-98	ND<100	2,000	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND	ND	ND	ND<400	ND	ND<100	ND	--	--	--	--
T-9B		Oct-98	ND<25	1,000	130	ND<25	37	ND<25	ND<25	ND<25	ND	ND	ND	ND<25	ND	ND<25	ND<25	--	--	--	--
T-9B		Apr-99	ND<100	1,200	170	ND<100	ND<100	ND<100	ND<100	ND<100	ND	ND	ND	ND<100	ND	ND<100	ND<100	--	--	--	--
T-9B	Dup	Apr-99	ND<100	1,100	160	ND<100	ND<100	ND<100	ND<100	ND<100	ND	ND	ND	ND<100	ND	ND<100	ND	--	--	--	--
T-9B		Oct-99	ND<25	1,000	170	ND<25	46	ND<25	ND<25	ND<25	ND	ND	ND	ND<25	ND	ND<25	ND<25	--	--	--	--
T-9B		Oct-00	ND<70	1,000	200	ND<70	ND<70	ND<70	ND<70	ND<70	ND<70	ND	ND	ND<70	ND	ND<70	ND<70	--	--	--	--
T-9B		Aug-01	ND<10	460	160	ND<10	ND<10	ND<10	ND<10	ND<10	--	ND<10	ND<10	--	ND	--	ND<10	ND<10	ND<10	ND<10	ND<10
T-9B		Oct-01	ND<10	780	150	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<20	ND<40	ND<40	ND<10	ND<10	--	--	--	--
T-9B		Jan-02	ND<10	680	270	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND<20	ND<10	ND<10	ND	ND<10	ND<10	--	--	--	--
T-9B		Apr-02	ND<5.0	510	210	ND<5.0	5.3	ND<5.0	ND<5.0	ND<5.0	ND	ND<10	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	--	--	--	--
T-9B		Jul-02	ND<5.0	460	190	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND<10	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	--	--	--	--
T-9B		Oct-02	3.4	460	180	3.7	8.7	ND<2.5	2.8	ND<2.5	ND<2.5	ND<5.0	ND<5.0	5.3	ND<10	ND<2.5	ND<2.5	--	--	--	--
T-9B		Apr-03	2.0	550	240	3.6	19	1.7	4.3	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-9B		Oct-03	ND<5.0	390	560	7.8	38	ND<5.0	6.4	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-9B		Oct-04	ND<5.0	470	300	5.1	33	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-9B		Oct-05	ND<5.0	16	630	5.9	150	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--
T-9B		Oct-06	ND<0.5	4.6	31	1.4	30	ND<0.5	ND<0.5	0.51	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	0.61	ND<0.5	--	--	--	--
T-9B		Oct-07	4.4	470	190	3.2	9.8	ND<0.5	2.2	0.83	ND<0.5	ND<1.0	ND<0.5	8.4	ND<1.0	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0
T-9B		Oct-08	ND<5	280	110	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	7.9	ND<10	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10
T-9B		Oct-09	ND<10	31	290	ND<10	69	ND<10	ND<10	ND<10	ND<10	ND<20	ND<10	ND<10	ND<20	ND<10	ND<10	ND<10	ND<10	ND<10	ND<20
T-9B		Oct-10	0.87	96	250	3.4	12	ND<0.50	1.7	0.76	ND<0.50	ND<1.0	ND<0.50	1.0	ND<1.0	1.1	ND<0.50	ND<0.5	ND<0.5	ND<0.5	ND<1.0
T-9B		Oct-11	ND<5.0	110	350	ND<5.0	5.1	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-9B		Oct-12	ND<5.0	130	360	5.1	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-9B		Oct-13	2.2 J	410	280	5.0	3.6 J	ND<5.0	3.3 J	ND<5.0		ND<10	ND<5.0	1.5 J	ND<10	ND<5.0	ND<5.0	--	--	--	--
T-9B		Oct-14	ND<5.0	390	210	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	--	--	--	--
T-9B		Jun-15	2.2	310	220	3.3	2.3	ND<0.50	2.1	0.59	ND<0.50	ND<1.0	ND<0.50	1.0	ND<1.0	0.82	ND<0.50	--	--	--	--
T-9B		Oct-15	ND<2.5	150	150	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	--	--	--	--
T-9B		May-16	1.5	270	240	3.2	2.2	ND<1.0	1.9	ND<1.0	--	ND<2.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	--	--	--	--
T-9B		Oct-16 (29 ft)	ND<0.50	4	2.9	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-9B		Oct-16 (34 ft)	ND<2.5	100	93	ND<2.5	ND<2.5	ND<2.5 *	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5 *	ND<2.5	ND<5.0	ND<2.5	ND<2.5	--	--	--	--
T-9B		Jan-17	1.9	300	280	3.5	2.6	ND<0.50	2.3	0.68	--	ND<1.0	ND<0.50	1.0	ND<1.0	0.79	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-9B		Jan-17	1.5	230	330	3.4	7.3	ND<0.50	2.3	0.72	--	ND<1.0	ND<0.50	1.6	ND<1.0	0.82	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-9B		Oct-17	1.7	310	260	3.5	2.1	ND<1.0	2.3	ND<1.0	--	ND<2.0	ND<1.0	1.0	ND<2.0	ND<1.0	ND<1.0	--	--	--	--
T-9B		Oct-18	ND<0.50	**170**	**220**	2.9	**1.4 ***	ND<0.50	1.7	0.64	ND<0.50	ND<1.0 *	ND<0.50	ND<0.50	ND<1.0	0.98	ND<0.50				
T-9B		NA	Per USEPA approval, well T-9B was abandoned in November 2019.																		
T-10B (ZB1)		Oct-00	ND<20	170	110	ND<15	ND<15	ND<15	ND<15	ND<15	ND<15	ND<15	ND<20	ND<20	ND<15	ND<15	ND<15	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-10B		Jan-01	13	210	130	2.7	12	2.9	1.2	ND<1.0	--	ND<2.0	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-10B		Apr-01	9.6	160	100	ND<2.5	20	ND<2.5	ND<2.5	ND<2.5	ND	ND<10	ND<2.5	ND<10	ND	9.6	ND<2.5	--	--	--	--
T-10B		Aug-01	7.6	170	110	ND<5.0	27	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
T-10B		Oct-01	8.2	160	75	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<20	ND<20	ND<5.0	ND<5.0	--	--	--	--
T-10B		Jan-02	14	230	130	ND<2.5	25	ND<2.5	ND<2.5	ND<2.5	ND	ND<2.5	ND<5.0	ND<2.5	ND	12	ND<2.5	--	--	--	--
T-10B		Apr-02	12	200	110	ND<2.5	15	ND<2.5	ND<2.5	ND<2.5	ND	ND<2.5	ND<5.0	ND<2.5	ND	10	ND<2.5	--	--	--	--
T-10B		Jul-02	10	170	97	ND<2.5	16	ND<2.5	ND<2.5	ND<2.5	ND	ND<2.5	ND<5.0	ND<2.5	ND	6.9	ND<2.5	--	--	--	--
T-10B		Oct-02	8.9	130	56	2.8	11	1.2	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	1.4	ND<4.0	8.4	ND<1.0	--	--	--	--
T-10B		Oct-03	12	140	73	2.1	43	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	ND<4.0	ND<2.0	ND<8.0	10	ND<2.0	--	--	--	--
T-10B		Oct-04	11	170	57	2.0	29	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	1.1	ND<4.0	10	ND<1.0	--	--	--	--
T-10B		Oct-05	9.9	180	79	ND<5.0	39	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-10B		Jan-06	10	170	190	ND<5.0	51	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-10B		Apr-06	20	150	190	10.0	17	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-10B		Jul-06	8.1	150	170	ND<5.0	9.3	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-10B		Oct-06	7.8	120	130	ND<5.0	6.2	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-10B		Jan-07	12.0	130	140	ND<5.0	17.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-10B		May-07	7.2	80	87	ND<5.0	8.9	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-10B		Jul-07	5.4	65	61	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-10B		Oct-07	6.6	86	62	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-10B		Oct-08	2.1	45	48	1.8	10	ND<0.5	ND<0.5	0.82	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<1	3.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1
T-10B		Oct-09	0.94	20	49	1.4	9.8	ND<0.50	ND<0.50	0.55	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.5	ND<0.50	1.5	ND<0.50	ND<0.50	ND<1.0
T-10B		Oct-10	2.0	44	97	2.3	23	ND<0.50	0.57	0.77	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	3.7	ND<0.50	ND<0.5	ND<0.5	ND<0.5	ND<1
T-10B		Oct-11	3.2	48	110	3.0	24	ND<0.50	1.2	1	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	5.2	ND<0.50	ND<0.5	ND<0.5	ND<0.5	1.2
T-10B		Oct-12	2.7	50	140	3.1	21	ND<0.50	0.99	0.76	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	5.4	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-10B		Oct-13	0.59	17	50	0.21 J	ND<0.50	ND<0.50	ND<0.50	0.43 J		ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-10B		Oct-14	2.1	45	180	3.3	16	ND<0.50	1.1	0.82	ND<0.50	ND<1.0 *	ND<0.50 *	ND<0.50	ND<1.0	4.8	ND<0.50	--	--	--	--
T-10B		Oct-15	0.84	31	97	1.8	23	ND<0.50	0.52	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.9	ND<0.50	--	--	--	--
T-10B		May-16	0.81	21	140	13	74	ND<0.50	0.56	0.69	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	3.4	ND<0.50	--	--	--	--
T-10B		Oct-16	ND<0.50	ND<0.50	8.6	8.3	61	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	0.85	ND<0.50	--	--	--	--
T-10B		Oct-17	1.6	41	150	3.5	50	ND<0.50	0.94	0.65	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	4.2	ND<0.50	--	--	--	--
T-10B		Oct-18	ND<0.50	2.8	**15**	1.2	**5.3**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	1.1	ND<0.50	--	--	--	--
T-10B		Oct-19	0.77	**31**	**130**	2.8	**58**	ND<0.50	0.69	0.57	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<1.0	3.4	ND<0.50	--	--	--	--
T-10B		Oct-20	0.88 J	**34**	**130**	2.8	**71**	ND<1.0	0.57 J	0.60 J	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	3.3	ND<1.0	--	--	--	--
T-17B (ZB1)		Jan-06	ND<5.0	400	280	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-17B		Apr-06	ND<5.0	340	420	6.8	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-17B		Jul-06	ND<5.0	200	460	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-17B		Oct-06	ND<5.0	240	280	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-17B		Jan-07	12	660	220	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-17B		May-07	ND<5.0	430	140	ND<5.0	11	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-17B		Jul-07	ND<5.0	450	87	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-17B		Oct-07	ND<5.0	610	79	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<15
T-17B		Oct-08	ND<5	400.0	62	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	20	ND<10	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10
T-17B		Oct-09	ND<0.50	69.0	190	3.5	ND<0.50	ND<0.50	0.69	ND<0.50	ND<0.50	ND<1.0	ND<0.50	2.1	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-17B		Oct-10	ND<5.0	120	320	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-17B		Oct-11	ND<5.0	270	230	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	8.1	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-17B		Apr-12	ND<5.0	110	510	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	8.9	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-17B	Dup	Apr-18	ND<5.0	110	490	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	9.9	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-17B		Oct-12	ND<5.0	310	230	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	14	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-17B		May-13	ND<5.0	120	370	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0		ND<10	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-17B		Oct-13	ND<5.0	130	390	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0		ND<10	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	--	--	--	--
T-17B		Apr-14	ND<5.0	55	370	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-17B		Oct-14	ND<5.0	75	400	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	--	--	--	--
T-17B		Jun-15	1.0	230	310	2.7	0.50	ND<0.50	1.7	ND<0.50	ND<0.50	ND<1.0	ND<0.50	11	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-17B		Oct-15	0.88	280	290	1.9	0.51	ND<0.50	1.1	ND<0.50	ND<0.50	ND<1.0	ND<0.50	9.9	ND<1.0	ND<0.50	ND<0.50	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-17B		May-16	0.63	180	260	1.7	ND<0.50	ND<0.50	0.95	ND<0.50	--	ND<1.0	ND<0.50	8.8	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-17B		Oct-16	ND<2.5	190	200	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	8.2	ND<5.0	ND<2.5	ND<2.5	--	--	--	--
T-17B		Oct-17	ND<5.0	210	370	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<10	ND<5.0	7.1	ND<10	ND<5.0	ND<5.0	--	--	--	--
T-17B		Oct-18	ND<5.0	**170**	**300**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	7.4	ND<10	ND<5.0	ND<5.0	--	--	--	--
T-17B		Oct-19	ND<1.0	**150**	**270**	3.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	5.7	ND<2.0	ND<1.0	ND<1.0	--	--	--	--
T-17B		Oct-20	0.46 J	**160**	**230**	1.3 J	ND<2.0	ND<2.0	0.64 J	ND<2.0	ND<2.0	ND<4.0	ND<4.0	5.7	ND<4.0	ND<2.0	ND<2.0	--	--	--	--
T-18B (ZB1)		May-13	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-18B		Oct-13	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-18B		Oct-14	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0 *	ND<0.50 *	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-18B		Oct-15	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-18B		Oct-16	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50 *	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50 F1*	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-18B		Oct-17	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-18B		Oct-18	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-18B		Oct-19	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-18B		Oct-20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-19B (ZB1)		May-13	ND<0.50	53	1.9	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	1.2	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-19B		Oct-13	ND<0.50	56	1.8	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	1.4	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-19B		Oct-14	ND<0.50	52	2.2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0 *	ND<0.50 *	1.2	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-19B		Oct-15	ND<0.50	49	1.8	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	1.0	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-19B		Oct-16	ND<0.50	44	1.5	ND<0.50	ND<0.50	ND<0.50 *	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50 *	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-19B		Oct-17	ND<0.50	62	1.4	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	1.1	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-19B		Oct-18	ND<0.50	**57**	1.3	ND<0.50 *	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	1.2	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-19B		Oct-19	ND<0.50	**45**	1.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	0.62 J	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-19B		Oct-20	ND<0.50	**53**	1.4	ND<0.50	ND<0.50	0.20 J	ND<0.50	0.23 J	ND<0.50	ND<1.0	ND<1.0	1.0	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-20B		Oct-17	ND<5.0	230	280	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<10 *	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	--	--	--	--
T-20B		Oct-18	ND<0.50	**230**	**190**	2.1	ND<0.50	ND<0.50	1.4	ND<0.50	ND<0.50	ND<1.0	ND<0.50	2.1	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-20B		Oct-19	ND<2.0	**240**	**210**	2.1	**1.9 J**	ND<2.0	2.2	ND<2.0	ND<2.0	ND<2.0	ND<4.0	2.2 J	ND<4.0	ND<2.0	ND<2.0	--	--	--	--
T-20B		Oct-20	ND<0.50	**230**	**250**	3.7	**23**	ND<0.50	2.6	0.72	ND<0.50	ND<1.0	ND<1.0	1.4	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-21B		Oct-17	ND<0.50	250	460	2.0	ND<0.50	ND<0.50	1.5	ND<0.50	--	ND<1.0	ND<0.50	16	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-21B		Oct-18	ND<5.0	**430**	**310**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	15	ND<10	ND<5.0	ND<5.0	--	--	--	--
T-21B		Oct-19	ND<2.5	**330**	**240**	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	9.4 J	ND<5.0	ND<2.5	ND<2.5	--	--	--	--
T-21B		Oct-20	ND<2.5	**350**	**270**	2.0 J	ND<2.5	ND<2.5	1.4 J	ND<2.5	ND<2.5	ND<5.0	ND<5.0	14	ND<5.0	ND<2.5	ND<2.5	--	--	--	--
T-22B		Oct-17	1.6	97	130	3.3	0.56	ND<0.50	0.83	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	3.0	ND<0.50	--	--	--	--
T-22B		Oct-18	1.3	**79**	**120**	3.1	**0.69**	ND<0.50	0.95	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.1	ND<0.50	--	--	--	--
T-22B		Oct-19	1.6	**82**	**170**	3.7	**0.72**	ND<0.50	0.89	0.45 J	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<1.0	2.6	ND<0.50	--	--	--	--
T-22B		Oct-20	1.4	**76**	**140**	3.6	ND<1.0	ND<1.0	0.78 J	0.38 J	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	2.4	ND<1.0	--	--	--	--
T-23B		Oct-17	1.3	86	100	2.7	0.64	ND<0.50	0.77	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	2.6	ND<0.50	--	--	--	--
T-23B		Oct-18	1.7	**95**	**140**	3.0	**0.61**	ND<0.50	0.89	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	3.0	ND<0.50	--	--	--	--
T-23B		Oct-19	1.2	**62**	**160**	3.3	**2.8**	ND<0.50	0.67	0.43 J	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<1.0	3.0	ND<0.50	--	--	--	--
T-23B		Oct-20	1.5	**76**	**140**	3.2	**0.76 J**	ND<1.0	0.81 J	0.36 J	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	2.4	ND<1.0	--	--	--	--
T-24B		Oct-17	ND<0.50	63	130	1.4	4.0	ND<0.50	1.5	0.60	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-24B		Oct-18	ND<0.50	**48**	**100**	1.1	**3.9**	ND<0.50	1.6	0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-24B		Oct-19	ND<0.50	3.5	**130**	1.3	**15**	ND<0.50	0.43 J	0.51	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-24B		Oct-20	ND<1.0	**36**	**94**	0.96 J	**2.9**	ND<1.0	1.0	0.46 J	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	--	--	--	--
T-25Bs		Dec-18	ND<5.0	**350**	**270**	6.6	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
T-25Bs		Oct-19	ND<2.5	**15**	**400**	5.8	**70**	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<10	ND<5.0	1.4 J	ND<2.5	--	--	--	--
T-25Bs		Oct-20	ND<2.0	2.4	**200**	4.9	**200**	ND<2.0	ND<2.0	0.64 J	ND<2.0	ND<4.0	ND<4.0	ND<2.0	ND<4.0	0.82 J	ND<2.0	--	--	--	--
T-25Bd		Dec-18	**8.2**	**450**	**77**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	5.1	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
T-25Bd		Oct-19	**5.3**	**300**	**61**	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<10	ND<5.0	2.5	ND<2.5	--	--	--	--
T-25Bd		Oct-20	**6.2**	**320**	**74**	1.2 J	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<10	3.6 J	ND<10	2.4 J	ND<5.0	--	--	--	--
T-2C (ZB2)		Aug-84	10	2300	--	--	ND	ND	6	ND	--	ND	ND	1000	ND	ND	--	--	--	--	--
T-2C		Aug-84	7.2	760	--	--	--	ND<0.1	ND<0.1	--	--	ND	ND	39	ND	--	--	--	--	--	--
T-2C		Nov-84	8.4	4400	--	--	--	ND<1.0	--	--	--	ND	ND	--	ND	--	--	--	--	--	--
T-2C		Oct-85	ND<25	4200	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	ND	950	ND	ND<25	--	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			5	5	6	10	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-2C		Mar-86	ND<25	5500	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	ND	--	ND	ND<25	--	--	--	--	--
T-2C		Mar-86	49	4200	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	ND	--	ND	ND<25	--	--	--	--	--
T-2C		Apr-86	ND<2.0	1200	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND	ND	ND<2.0	ND	ND<2.0	--	--	--	--	--
T-2C		Jul-86	ND<10	2000	--	--	ND<10	ND<10	ND<10	ND<10	--	ND	ND	650	ND	ND<10	--	--	--	--	--
T-2C		Jan-87	ND<10	3300	--	--	ND<10	ND<10	ND<10	ND<10	--	ND	ND	170	ND	ND<10	--	--	--	--	--
T-2C		Jul-87	ND<25	4200	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	ND	220	ND	ND<25	--	--	--	--	--
T-2C		Oct-87	ND<25	3500	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	ND	240	ND	ND<25	--	--	--	--	--
T-2C		Jan-88	ND<100	4400	--	--	ND<100	ND<100	ND<100	ND<100	--	ND	ND	ND<100	ND	ND<100	--	--	--	--	--
T-2C		Jun-88	ND<10	5500	--	--	ND<10	ND<10	ND<10	ND<10	--	ND	ND	330	ND	ND<10	--	--	--	--	--
T-2C		Aug-88	ND<25	3400	--	--	ND<25	36	ND<25	ND<25	--	ND	ND	400	ND	ND<25	--	--	--	--	--
T-2C		Nov-88	65	3000	--	--	ND<50	ND<50	ND<50	ND<50	--	ND	ND	440	ND	ND<50	--	--	--	--	--
T-2C		Feb-89	ND<25	3100	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	ND	220	ND	ND<25	--	--	--	--	--
T-2C		May-89	ND<25	3900	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	ND	270	ND	ND<25	--	--	--	--	--
T-2C		May-89	ND<25	3500	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	ND	230	ND	ND<25	--	--	--	--	--
T-2C		Aug-89	ND<25	4300	--	--	ND<25	25	ND<25	ND<25	--	ND	ND	420	ND	ND<25	--	--	--	--	--
T-2C		Oct-89	ND<20	3300	--	--	ND<20	ND<20	ND<20	ND<20	--	ND	ND	180	ND	ND<20	--	--	--	--	--
T-2C		Jan-90	ND<20	3600	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	390	ND	ND<20	ND	--	--	--	--
T-2C		Apr-90	ND<20	4900	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	370	ND	ND<20	ND	--	--	--	--
T-2C		Jul-90	ND<20	3300	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	240	ND	ND<20	ND	--	--	--	--
T-2C		Oct-90	ND<20	2100	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	90	ND	ND<20	ND	--	--	--	--
T-2C		Jan-91	ND<20	4000	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	220	ND	ND<20	ND	--	--	--	--
T-2C		Apr-91	ND<20	2400	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	50	ND	ND<20	ND	--	--	--	--
T-2C		Jul-91	ND<20	3900	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	210	ND	ND<20	ND	--	--	--	--
T-2C		Oct-91	ND<20	4700	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	200	ND	ND<20	ND	--	--	--	--
T-2C		Jan-92	ND<30	5200	--	--	ND<30	ND<30	ND<30	ND<30	ND	ND	ND	120	ND	ND<30	ND	--	--	--	--
T-2C		Apr-92	ND<20	2800	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	60	ND	ND<20	ND	--	--	--	--
T-2C		Oct-92	3.9	8200	--	--	ND<1.0	0.8	ND<0.5	ND<0.5	ND	ND	ND	--	ND	ND<0.5	ND	--	--	--	--
T-2C		Apr-93	ND<50	3400	--	--	ND<100	ND<50	ND<50	ND<50	ND	ND	ND	210	ND	ND<50	ND	--	--	--	--
T-2C		Oct-93	ND<5.0	3000	--	--	ND<10	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	180	ND	ND<5.0	ND	--	--	--	--
T-2C		Apr-94	ND<5.0	7200	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	200	ND	ND<5.0	ND	--	--	--	--
T-2C		Oct-94	ND<50	3600	--	--	ND<50	ND<50	ND<50	ND<50	ND	ND	ND	300	ND	ND<50	ND	--	--	--	--
T-2C		Aug-95	ND<40	2000	--	--	ND<80	ND<40	ND<40	ND<40	ND	ND	ND	51	ND	ND<40	ND	--	--	--	--
T-2C		Oct-95	ND<25	3100	--	--	ND<50	ND<25	ND<25	ND<25	ND	ND	ND	280	ND	ND<25	ND	--	--	--	--
T-2C		Oct-96	ND<17	4000	21	ND<17	34	ND<17	ND<17	ND<17	ND	ND	ND	260	ND	ND<17	ND	--	--	--	--
T-2C		Apr-97	ND<25	4000	28	ND<25	34	ND<25	ND<25	ND<25	ND	ND	ND	420	ND	ND<25	ND	--	--	--	--
T-2C		Oct-97	ND<100	3600	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND	ND	ND	400	ND	ND<200	ND<100	--	--	--	--
T-2C		Apr-98 **	ND<50	3500	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND	ND	ND	320	ND	ND<50	ND<50	--	--	--	--
T-2C		Oct-98	ND<25	1000	130	ND<25	ND<25	ND<25	ND<25	ND<25	ND	ND	ND	92	ND	ND<25	ND<25	--	--	--	--
T-2C		Apr-99	ND<100	3600	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND	ND	ND	410	ND	ND<100	ND<100	--	--	--	--
T-2C		Oct-99	ND<100	4600	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND	ND	ND	510	ND	ND<100	ND<100	--	--	--	--
T-2C	Dup	Oct-99	ND<100	4000	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND	ND	ND	440	ND	ND<100	ND	--	--	--	--
T-2C		Oct-00	ND<100	2700	110	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND	ND	380	ND	ND<100	ND<100	--	--	--	--
T-2C		Jan-01	3.3	3400	70	2.5	20	ND<1.0	6.6	ND<1.0	--	12	ND<2.0	--	ND	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-2C		Mar-01	ND<25	1800	79	ND<25	52	ND<25	ND<25	ND<25	ND	ND<25	ND<25	ND<100	ND	ND<25	ND<25	--	--	--	--
T-2C		Jun-01	ND<25	1300	630	ND<25	110	ND<25	ND<25	ND<25	ND	ND<25	ND<25	ND<100	ND	ND<25	ND	--	--	--	--
T-2C		Oct-01	7	1500	220	2.3	49	ND<1.0	2	ND<1.0	--	5.1	ND<2.0	--	ND<1.0	--	1.4	--	5.8	ND<1.0	19.9
T-2C		Jan-02	ND<25	1800	110	ND<25	45	ND<25	ND<25	ND<25	ND	ND<25	ND<50	ND<25	ND	ND<25	ND<25	--	--	--	--
T-2C		Apr-02	ND<25	1500	74	ND<25	32	ND<25	ND<25	ND<25	ND	ND<25	ND<50	ND<25	ND	ND<25	ND<25	--	--	--	--
T-2C		Jul-02	ND<25	1500	47	ND<25	42	ND<25	ND<25	ND<25	ND	ND<25	ND<50	ND<25	ND	ND<25	ND<25	--	--	--	--
T-2C		Oct-02	ND<2.5	400	59	ND<2.5	2.7	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<5.0	11	ND<10	ND<2.5	ND<2.5	--	--	--	--
T-2C		Apr-03	ND<1.0	1300	47	ND<1.0	52	1.7	1.9	ND<1.0	--	ND<2.0	ND<2.0	--	ND<1.0	--	ND<1.0	--	ND<1.0	ND<1.0	ND<2.0
T-2C		Oct-03	ND<5.0	340	56	ND<5.0	6.7	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-2C		Oct-04	ND<2.0	280	37	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	ND<4.0	6.3	ND<8.0	ND<2.0	ND<2.0	--	--	--	--
T-2C		Oct-05	ND<2.0	260	38	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	4.8	ND<2.0	ND<2.0	ND<2.0	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-2C		Oct-06	ND<2.0	190	28	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	2.8	ND<2.0	ND<2.0	ND<2.0	--	--	--	--
T-2C		Oct-07	2.3	1200	43	ND<2.0	6.8	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	36	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0
T-2C		Oct-08	ND<1	130	33	ND<1	1.6	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	2.3	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2
T-2C		Oct-09	0.65	460	94	2.0	33	ND<0.50	1.4	ND<0.50	ND<0.50	ND<1.0	ND<0.50	9.2	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-2C		Oct-10	ND<0.50	81	22	0.60	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	0.56	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-2C		Oct-11	ND<0.50	310	88	1.1	11	ND<0.50	1.4	ND<0.50	ND<0.50	ND<1.0	ND<0.50	3	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-2C		Oct-12	ND<5.0	310	160	ND<0.50	19	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-2C		Oct-13	ND<0.50	110	44	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-2C		Apr-14	ND<0.50	150	48	0.80	0.59	ND<0.50	0.65	ND<0.50	ND<0.50	ND<1.0	ND<0.50	0.94	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-2C		Sep-14	ND<0.50	280	120	1.6	8.5	ND<0.50	0.97	ND<0.50	ND<0.50	ND<1.0	ND<0.50	1.3	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-2C		NA	Per USEPA approval, well T-2C was abandoned in November 2014.																		
T-10C (ZB2)		Jul-86	ND<1.0	6,800	--	--	ND<1.0	44	54	ND<1.0	--	ND	--	1,600	ND	ND<1.0	--	--	--	--	--
T-10C		Jul-86	ND<25	5,400	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	2,700	ND	ND<25	--	--	--	--	--
T-10C		Sep-86	130	3,600	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	1,100	ND	ND<25	--	--	--	--	--
T-10C		Jan-87	ND<50	9,500	--	--	ND<50	ND<50	ND<50	ND<50	--	ND	--	700	ND	ND<50	--	--	--	--	--
T-10C		Apr-87	ND<10	2,000	--	--	ND<10	ND<10	66	ND<10	--	ND	--	360	ND	ND<10	--	--	--	--	--
T-10C		Jun-87	ND<25	4,200	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	460	ND	ND<25	--	--	--	--	--
T-10C		Oct-87	ND<50	6,700	--	--	ND<50	60	ND<50	ND<50	--	ND	--	1,700	ND	ND<50	--	--	--	--	--
T-10C		Jan-88	ND<100	10,000	--	--	ND<100	ND<100	ND<100	ND<100	--	ND	--	3,200	ND	ND<100	--	--	--	--	--
T-10C		May-88	ND<50	7,100	--	--	ND<50	100	ND<50	ND<50	--	ND	--	640	ND	ND<50	--	--	--	--	--
T-10C		Aug-88	ND<100	16,000	--	--	ND<100	300	ND<100	ND<100	--	ND	--	2,300	ND	ND<100	--	--	--	--	--
T-10C		Nov-88	ND<50	12,000	--	--	ND<50	200	50	ND<50	--	ND	--	1,400	ND	ND<50	--	--	--	--	--
T-10C		Feb-89	ND<250	9,300	--	--	ND<250	ND<250	ND<250	ND<250	--	ND	--	550	ND	ND<250	--	--	--	--	--
T-10C		May-89	13	14,000	--	--	ND<0.2	320	80	10	--	ND	--	1,900	ND	ND<0.2	--	--	--	--	--
T-10C		May-89	ND<50	13,000	--	--	ND<50	250	ND<50	ND<50	--	ND	--	1,700	ND	ND<50	--	--	--	--	--
T-10C		Aug-89	ND<50	13,000	--	--	ND<50	200	ND<50	ND<50	--	ND	--	1,500	ND	ND<50	--	--	--	--	--
T-10C		Oct-89	ND<50	13,000	--	--	ND<50	ND<50	ND<50	ND<50	--	ND	--	3,400	ND	ND<50	--	--	--	--	--
T-10C		Jan-90	ND<100	16,000	--	--	ND<100	ND<100	ND<100	ND<100	ND	ND	ND	1,800	ND	ND<100	ND	--	--	--	--
T-10C		Jan-90	ND<100	15,000	--	--	ND<100	ND<100	ND<100	ND<100	ND	ND	ND	1,600	ND	ND<100	ND	--	--	--	--
T-10C		Jan-90	ND<20	15,000	--	--	ND<20	ND<90	ND<20	ND<20	ND	ND	ND	1,600	ND	ND<20	ND	--	--	--	--
T-10C		Apr-90	ND<100	11,000	--	--	ND<100	ND<100	ND<100	ND<100	ND	ND	ND	670	ND	ND<100	ND	--	--	--	--
T-10C		Apr-90	ND<100	11,000	--	--	ND<100	ND<100	ND<100	ND<100	ND	ND	ND	600	ND	ND<100	ND	--	--	--	--
T-10C		Apr-90	ND<25	7,500	--	--	ND<50	55	45	ND<25	ND	ND	ND	1,100	ND	ND<25	ND	--	--	--	--
T-10C		Jul-90	ND<20	4,600	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	490	ND	ND<20	ND	--	--	--	--
T-10C		Jul-90	ND<200	6,800	--	--	ND<400	ND<200	ND<200	ND<200	ND	ND	ND	860	ND	ND<200	ND	--	--	--	--
T-10C		Oct-90	ND<20	4,200	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	550	ND	ND<20	ND	--	--	--	--
T-10C		Jan-91	ND<20	4,100	--	--	ND<20	ND<20	40	ND<20	ND	ND	ND	150	ND	ND<20	ND	--	--	--	--
T-10C		Jan-91	ND<20	4,000	--	--	ND<20	ND<20	70	ND<20	ND	ND	ND	160	ND	ND<20	ND	--	--	--	--
T-10C		Jan-91	ND<25	3,000	--	--	ND<50	27	41	ND<25	ND	ND	ND	270	ND	ND<25	ND	--	--	--	--
T-10C		Apr-91	ND<50	5,200	--	--	ND<50	ND<50	ND<50	ND<50	ND	ND	ND	340	ND	ND<50	ND	--	--	--	--
T-10C		Apr-91	ND<50	3,500	--	--	ND<50	ND<50	ND<50	ND<50	ND	ND	ND	210	ND	ND<50	ND	--	--	--	--
T-10C		Apr-91	1	2,200	--	--	ND<1.0	6.0	16	1.4	ND	ND	ND	170	ND	ND<0.5	ND	--	--	--	--
T-10C		Jul-91	ND<50	7,000	--	--	ND<50	ND<50	ND<50	ND<50	ND	ND	ND	220	ND	ND<50	ND	--	--	--	--
T-10C		Jul-91	ND<50	6,800	--	--	ND<50	ND<50	ND<50	ND<50	ND	ND	ND	360	ND	ND<50	ND	--	--	--	--
T-10C		Jul-91	ND<50	5,400	--	--	ND<100	ND<50	ND<50	ND<50	ND	ND	ND	200	ND	ND<50	ND	--	--	--	--
T-10C		Oct-91	ND<50	5,900	--	--	ND<50	ND<50	ND<50	ND<50	ND	ND	ND	ND<50	ND	ND<50	ND	--	--	--	--
T-10C		Oct-91	ND<20	2,700	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	110	ND	ND<20	ND	--	--	--	--
T-10C		Oct-91	ND<10	4,100	--	--	ND<20	ND<10	ND<10	ND<10	ND	ND	ND	180	ND	ND<10	ND	--	--	--	--
T-10C		Jan-92	ND<30	2,900	--	--	ND<30	ND<30	ND<30	ND<30	ND	ND	ND	90	ND	ND<30	ND	--	--	--	--
T-10C		Apr-92	ND<20	4,400	--	--	ND<20	ND<20	ND<20	ND<20	ND	ND	ND	ND<20	ND	ND<20	ND	--	--	--	--
T-10C		Apr-92	3.0	2,300	--	--	ND<0.5	4.5	79	0.6	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-10C		Oct-92	ND<0.5	250	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	--	ND	ND<0.5	ND	--	--	--	--
T-10C		Oct-92	ND<0.5	290	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	--	ND	ND<0.5	ND	--	--	--	--
T-10C		Oct-92	ND<0.5	97	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	8.3	ND	ND<0.5	ND	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-10C		Oct-93	ND<0.5	260	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-10C		Oct-94	ND<25	200	--	--	ND<25	ND<25	ND<25	ND<25	ND	ND	ND	ND<25	ND	ND<25	ND	--	--	--	--
T-10C		Oct-95	ND<1.0	38	--	--	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-10C		Oct-96	ND<0.5	46	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	0.8	ND	ND<0.5	ND	--	--	--	--
T-10C		Oct-97	ND<2.5	57	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND	ND	ND	ND<2.5	ND	ND<5.0	ND	--	--	--	--
T-10C		Oct-98	ND<5.0	130	12	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	9.7	ND	ND<5.0	ND	--	--	--	--
T-10C		Oct-99	ND<2.0	110	20	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	11	ND	ND<2.0	ND	--	--	--	--
T-10C		Oct-00	ND<40	440	58	ND<40	ND<40	ND<40	ND<40	ND<40	ND<40	ND	ND	ND<40	ND	ND<40	ND<40	--	--	--	--
T-10C		Oct-01	ND<50	1,600	180	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	100	780	ND<200	ND<50	ND<50	--	--	--	--
T-10C		Oct-02	ND<2.5	390	18	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<5.0	61	ND<10	ND<2.5	ND<2.5	--	--	--	--
T-10C		Oct-03	ND<5.0	290	9.8	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<10	40	ND<20	ND<5.0	ND<5.0	--	--	--	--
T-10C		Oct-04	ND<2.0	270	10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	ND<4.0	39	ND<8.0	ND<2.0	ND<2.0	--	--	--	--
T-10C		Oct-05	ND<5.0	710	28	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	110	ND<5.0	ND<5.0	ND<5.0	--	--	--	--
T-10C		Oct-06	ND<2.5	340	14	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	70	ND<2.5	ND<2.5	ND<2.5	--	--	--	--
T-10C		Oct-07	2.5	4,500	100	6.5	6.8	ND<2.5	7.1	ND<2.5	ND<2.5	ND<2.5	ND<2.5	570	ND<5.0	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0
T-10C		Oct-08	ND<50	1,900	68	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<100	ND<50	450	ND<100	ND<50	ND<50	ND<50	ND<50	ND<50	ND<100
T-10C		Oct-09	ND<0.50	3.0	350	4.0	14	ND<0.50	2.4	ND<0.50	ND<0.50	ND<1.0	ND<0.50	57	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-10C		Oct-10	ND<0.50	790	61	2.2	2.5	ND<0.50	2.4	ND<0.50	ND<0.50	ND<1.0	ND<0.50	120	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-10C		Oct-11	ND<5.0	890	88	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	160	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-10C		Oct-12	ND<5.0	1,200	83	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10.0	ND<5.0	160	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10
T-10C		Oct-13	ND<10	1100	58	ND<10	ND<10	ND<10	ND<10	ND<10		ND<20	ND<10	170	ND<20	ND<10	ND<10	--	--	--	--
T-10C		Oct-14	ND<10	1300	76	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<20	ND<10	170	ND<20	ND<10	ND<10	--	--	--	--
T-10C		Jun-15	ND<0.50	690	1500	14	7.2	ND<0.50	9.9	ND<0.50	ND<0.50	ND<1.0	20	190	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-10C		Oct-15	ND<25	32	1600	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<50	ND<25	32	ND<50	ND<25	ND<25	--	--	--	--
T-10C		May-16	ND<10	71	980	ND<10	19	ND<10	ND<10	ND<10	--	ND<20	ND<10	95	ND<20	ND<10	ND<10	--	--	--	--
T-10C		Oct-16	ND<10	ND<10	730	ND<10	41	ND<10	ND<10	ND<10	ND<10	ND<20	ND<10	90	ND<20	ND<10	ND<10	--	--	--	--
T-10C		Oct-17	ND<25	740	650	ND<25	ND<25	ND<25	ND<25	ND<25	--	ND<50	ND<25	140	ND<50	ND<25	ND<25	--	--	--	--
T-10C		Oct-18	ND<25	**260**	**890**	ND<25	**38**	ND<25	ND<25	ND<25	ND<25	ND<50	ND<25	140	ND<50	ND<25	ND<25	--	--	--	--
T-10C		Oct-19	ND<5.0	**390**	**680**	7.1	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	90	ND<10	ND<5.0	ND<5.0	--	--	--	--
T-10C		Oct-20	ND<5.0	**420**	**680**	8.1	**8.3**	ND<5.0	5.5	ND<5.0	ND<5.0	ND<10	11	140	ND<10	ND<5.0	ND<5.0	--	--	--	--
T-11C (ZB2)		Jul-86	ND<1.0	1,800	--	--	ND<1.0	9.7	3.2	ND<1.0	--	ND	--	710	ND	ND<1.0	--	--	--	--	--
T-11C		Jul-86	ND<25	4,600	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	2,000	ND	ND<25	--	--	--	--	--
T-11C		Sep-86	62	3,100	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	660	ND	ND<25	--	--	--	--	--
T-11C		Jan-87	ND<10	2,200	--	--	ND<10	ND<10	ND<10	ND<10	--	ND	--	260	ND	ND<10	--	--	--	--	--
T-11C		Apr-87	11	1,600	--	--	ND<10	ND<10	12	ND<10	--	ND	--	210	ND	ND<10	--	--	--	--	--
T-11C		Jun-87	ND<10	2,900	--	--	ND<10	ND<10	ND<10	ND<10	--	ND	--	230	ND	ND<10	--	--	--	--	--
T-11C		Oct-87	ND<10	1,900	--	--	ND<10	ND<10	ND<10	ND<10	--	ND	--	140	ND	ND<10	--	--	--	--	--
T-11C		Jan-88	ND<25	2,200	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	430	ND	ND<25	--	--	--	--	--
T-11C		May-88	ND<5.0	1,100	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND	--	120	ND	ND<5.0	--	--	--	--	--
T-11C		Aug-88	ND<25	1,800	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	230	ND	ND<25	--	--	--	--	--
T-11C		Nov-88	ND<10	740	--	--	ND<10	ND<10	ND<10	ND<10	--	ND	--	100	ND	ND<10	--	--	--	--	--
T-11C		Feb-89	ND<25	780	--	--	ND<25	ND<25	ND<25	ND<25	--	ND	--	42	ND	ND<25	--	--	--	--	--
T-11C		May-89	ND<2.5	560	--	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	ND	--	49	ND	ND<2.5	--	--	--	--	--
T-11C		Aug-89	ND<2.0	680	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND	--	47	ND	ND<2.0	--	--	--	--	--
T-11C		Oct-89	ND<1.0	500	--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND	--	70	ND	ND<1.0	--	--	--	--	--
T-11C		Jan-90	ND<2.0	410	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	15	ND	ND<2.0	ND	--	--	--	--
T-11C		Apr-90	ND<5.0	570	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	13	ND	ND<5.0	ND	--	--	--	--
T-11C		Jul-90	ND<5.0	330	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	7.0	ND	ND<5.0	ND	--	--	--	--
T-11C		Oct-90	ND<2.0	330	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	16	ND	ND<2.0	ND	--	--	--	--
T-11C		Jan-91	ND<2.0	290	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	10	ND	ND<2.0	ND	--	--	--	--
T-11C		Apr-91	ND<2.0	270	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	18	ND	ND<2.0	ND	--	--	--	--
T-11C		Jul-91	ND<2.0	800	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	42	ND	ND<2.0	ND	--	--	--	--
T-11C		Oct-91	ND<5.0	960	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	28	ND	ND<5.0	ND	--	--	--	--
T-11C		Jan-92	ND<5.0	1,000	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	67	ND	ND<5.0	ND	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-11C		Apr-92	ND<10	1,500	--	--	ND<10	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<10	ND	--	--	--	--
T-11C		Oct-92	ND<0.5	150	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	--	ND	ND<0.5	ND	--	--	--	--
T-11C		Oct-93	ND<0.5	210	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	7.5	ND	ND<0.5	ND	--	--	--	--
T-11C		Oct-94	ND<5.0	110	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-11C		Oct-95	ND<1.0	54	--	--	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	2.1	ND	ND<1.0	ND	--	--	--	--
T-11C		Oct-96	ND<0.5	37	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	1.0	ND	ND<0.5	ND	--	--	--	--
T-11C		Oct-97	ND<1.0	36	2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<2.0	ND	--	--	--	--
T-11C		Oct-98	ND<10	270	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND	ND	ND<10	ND	ND<10	ND	--	--	--	--
T-11C	Dup	Oct-98	ND<2.0	160	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	4.4	ND	ND<2.0	ND	--	--	--	--
T-11C		Oct-99	ND<5.0	290	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-11C		Oct-00	ND<30	320	ND<30	ND<30	ND<30	ND<30	ND<30	ND<30	ND<30	ND	ND	ND<30	ND	ND<30	ND<30	--	--	--	--
T-11C		Oct-01	ND<5.0	300	5.7	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	10	ND<5.0	ND<5.0	ND<5.0	--	--	--	--
T-11C		Oct-02	ND<2.5	63	2.6	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<5.0	ND<2.5	ND<10	ND<2.5	ND<2.5	--	--	--	--
T-11C		Oct-03	ND<0.5	17	0.53	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<0.5	ND<2.0	ND<0.5	ND<0.5	--	--	--	--
T-11C		Oct-04	ND<0.5	27	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<0.5	ND<2.0	ND<0.5	ND<0.5	--	--	--	--
T-11C		Oct-05	ND<0.5	28	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	0.8	ND<0.5	ND<0.5	ND<0.5	--	--	--	--
T-11C		Oct-06	ND<2.5	330	22	ND<2.5	11	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	13	ND<2.5	ND<2.5	ND<2.5	--	--	--	--
T-11C		Oct-07	ND<2.5	290	20	ND<2.5	11	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	14	ND<5.0	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0
T-11C		Oct-08	ND<0.5	18	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	0.60	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1
T-11C		Oct-09	ND<0.50	1.7	3.9	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-11C		Oct-10	ND<0.50	250	16	ND<0.50	3.7	ND<0.50	1.1	ND<0.50	ND<0.50	ND<1.0	ND<0.50	5.5	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-11C		Oct-11	ND<2.5	310	22	ND<2.5	6.4	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	16	ND<5.0	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0
T-11C		Oct-12	ND<2.5	290	26	ND<2.5	5.2	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	17	ND<5.0	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0
T-11C		Oct-13	ND<2.5	460	35	0.68 J	4.8	ND<2.5	2.4 J	ND<2.5		ND<5.0	ND<2.5	22	ND<5.0	ND<2.5	ND<2.5	--	--	--	--
T-11C		Oct-14	ND<2.5	310	23	ND<2.5	3.6	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	15	ND<5.0	ND<2.5	ND<2.5	--	--	--	--
T-11C		Oct-15	ND<0.50	43	3.3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	1.1	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-11C		Oct-16	ND<0.50	3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-11C		Oct-17	ND<0.50	310 H	26	0.84	2.8	ND<0.50	2.2	ND<0.50	--	ND<1.0	ND<0.50	10	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-11C		Oct-18	ND<0.50	**150**	**13**	ND<0.50	ND<0.50	ND<0.50	0.61	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-11C		Oct-19	ND<2.0	**290**	**24**	ND<2.0	ND<2.0	ND<2.0	1.5 J	ND<2.0	ND<2.0	ND<2.0	ND<4.0	7.0 J	ND<4.0	ND<2.0	ND<2.0	--	--	--	--
T-11C		Oct-20	ND<2.0	**250**	**25**	0.82 J	**1.5 J**	ND<2.0	2.2	ND<2.0	ND<2.0	ND<4.0	ND<4.0	7.2	ND<4.0	ND<2.0	ND<2.0	--	--	--	--
T-11C (Dup)	Dup	Oct-20	ND<2.0	**270**	**25**	0.90 J	**1.6 J**	ND<2.0	2.2	ND<2.0	ND<2.0	ND<4.0	ND<4.0	7.6	ND<4.0	ND<2.0	ND<2.0	--	--	--	--
T-12C (ZB2)		Aug-89	ND<2.0	350	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND	--	17	ND	ND<2.0	--	--	--	--	--
T-12C		Aug-89	ND<10	260	--	--	ND<20	ND<10	ND<10	ND<10	--	ND	--	--	ND	--	--	--	--	--	--
T-12C		Oct-89	ND<2.0	410	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND	--	17	ND	ND<2.0	--	--	--	--	--
T-12C		Jan-90	ND<2.0	440	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	21	ND	ND<2.0	ND	--	--	--	--
T-12C		Apr-90	ND<2.0	390	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	9.0	ND	ND<2.0	ND	--	--	--	--
T-12C		Jul-90	ND<2.0	460	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	13	ND	ND<2.0	ND	--	--	--	--
T-12C		Oct-90	ND<2.0	350	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	14	ND	ND<2.0	ND	--	--	--	--
T-12C		Jan-91	ND<2.0	290	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	4.0	ND	ND<2.0	ND	--	--	--	--
T-12C		Apr-91	ND<2.0	290	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	7.0	ND	ND<2.0	ND	--	--	--	--
T-12C		Jul-91	ND<1.0	240	--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	16	ND	ND<1.0	ND	--	--	--	--
T-12C		Oct-91	ND<1.0	250	--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	11	ND	ND<1.0	ND	--	--	--	--
T-12C		Jan-92	ND<3.0	410	--	--	ND<3.0	ND<3.0	ND<3.0	ND<3.0	ND	ND	ND	10	ND	ND<3.0	ND	--	--	--	--
T-12C		Apr-92	ND<2.0	430	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	ND<2.0	ND	ND<2.0	ND	--	--	--	--
T-12C		Oct-92	ND<0.5	130	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	--	ND	ND<0.5	ND	--	--	--	--
T-12C		Oct-93	ND<5.0	210	--	--	ND<10	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	6.0	ND	ND<5.0	ND	--	--	--	--
T-12C		Oct-94	ND<5.0	130	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-12C		Oct-95	ND<1.0	100	--	--	5.7	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	5.7	ND	ND<1.0	ND	--	--	--	--
T-12C		Oct-96	ND<0.5	120	2.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	2.8	ND	ND<0.5	ND	--	--	--	--
T-12C		Oct-97	ND<2.5	150	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND	ND	ND	ND<2.5	ND	ND<5.0	ND	--	--	--	--
T-12C		Oct-98	ND<5.0	140	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND	ND	ND<5.0	ND	ND<5.0	ND	--	--	--	--
T-12C	Dup	Oct-98	ND<2.0	110	5.6	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	2.2	ND	ND<2.0	ND	--	--	--	--
T-12C		Oct-99	ND<2.0	130	18	ND<2.0	2.6	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND	2.7	ND	ND<2.0	ND	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-12C		Oct-00	ND<10	160	14	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND	ND<10	ND	ND<10	ND<10	--	--	--	--
T-12C		Oct-01	ND<5.0	150	14	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<20	ND<20	ND<5.0	ND<5.0	--	--	--	--
T-12C		Oct-02	ND<1.0	180	17	1.4	1.9	ND<1.0	1.7	ND<1.0	ND<1.0	ND<2.0	ND<2.0	2.6	ND<4.0	ND<1.0	ND<1.0	--	--	--	--
T-12C		Oct-03	ND<5.0	210	61	ND<5.0	6.2	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<10	7.8	ND<20	ND<5.0	ND<5.0	--	--	--	--
T-12C		Oct-04	ND<2.0	240	50	ND<2.0	4.2	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	ND<4.0	7.6	ND<8.0	ND<2.0	ND<2.0	--	--	--	--
T-12C		Oct-05	ND<2.0	180	39	ND<2.0	4.3	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	5.4	ND<2.0	ND<2.0	ND<2.0	--	--	--	--
T-12C		Oct-06	ND<2.0	210	37	ND<2.0	3.1	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	5.7	ND<2.0	ND<2.0	ND<2.0	--	--	--	--
T-12C		Oct-07	ND<2.0	210	19	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	ND<2.0	5.2	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0
T-12C		Oct-08	ND<2	170	65	ND<2	4.7	ND<2	ND<2	ND<2	ND<2	ND<4	ND<2	3.7	ND<4	ND<2	ND<2	ND<2	ND<2	ND<2	ND<4
T-12C		Oct-09	ND<0.50	170	53	1.2	3.8	ND<0.50	1.7	ND<0.50	ND<0.50	ND<1.0	ND<0.50	3.4	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-12C		Oct-10	ND<0.50	6.3	4.2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-12C		Oct-11	ND<0.50	7.6	8.7	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-12C		Oct-12	ND<0.50	9.3	11	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-12C		Oct-13	ND<0.50	140	85	1.5	4.7	ND<0.50	2.3	ND<0.50		ND<1.0	0.23 J	2.7	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-12C		Oct-14	ND<1.0	140	5.1	ND<1.0	ND<1.0	ND<1.0	1.2	ND<1.0	ND<1.0	ND<2.0	ND<1.0	1.8	ND<2.0	ND<1.0	ND<1.0	--	--	--	--
T-12C		Oct-15	ND<0.50	2	13	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-12C		Oct-16	ND<0.50	ND<0.50	4.7	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-12C		Oct-17	ND<0.50	140	6.3	0.86	ND<0.50	ND<0.50	1.3	ND<0.50	--	ND<1.0	ND<0.50	1.7	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-12C		Oct-18	ND<0.50	**99**	**36**	0.72	ND<0.50	ND<0.50	1.1	ND<0.50	ND<0.50	ND<1.0	ND<0.50	1.1	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-12C		Oct-19	ND<0.50	**140**	**6.3**	0.94	ND<0.50	ND<0.50	1.3	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.6 J	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-12C		Oct-20	ND<1.0	**120**	**23**	1.0	ND<1.0	ND<1.0	1.5	ND<1.0	ND<1.0	ND<2.0	ND<2.0	1.6	ND<2.0	ND<1.0	ND<1.0	--	--	--	--
36DD (ZB2)		Apr-83	20	18	--	--	ND	18	ND	ND	--	ND	--	ND	ND	ND	--	--	--	--	--
36DD		May-83	ND	990	--	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	--	--	--	--	--
36DD		Aug-83	ND<1.0	12	--	--	ND	ND<1.0	ND<1.0	ND<1.0	--	ND	--	ND<1.0	ND	ND	--	--	--	--	--
36DD		Mar-84	--	11	--	--	--	--	--	--	--	ND	--	--	ND	--	--	--	--	--	--
36DD		Nov-84	ND<0.5	5.1	--	--	--	ND<0.5	--	--	--	ND	--	--	ND	--	--	--	--	--	--
36DD		Oct-85	ND<0.5	8.6	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
36DD		Jan-86	ND<0.5	31	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	--	ND	ND<0.5	--	--	--	--	--
36DD		Apr-86	ND<0.5	27	--	--	ND<0.5	ND<0.5	ND<0.5	1.8	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
36DD		Jul-86	ND<0.5	27	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
36DD		Sep-86	ND<0.5	20	--	--	ND<0.5	ND<0.5	ND<0.5	1.8	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
36DD		Jan-87	ND<0.5	26	--	--	ND<0.5	ND<0.5	ND<0.5	2.3	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
36DD		Apr-87	ND<0.5	53	--	--	ND<0.5	2.8	1.3	2.2	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
36DD		Jun-87	ND<0.5	32	--	--	ND<0.5	ND<0.5	ND<0.5	1.8	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
36DD		Oct-87	ND<0.5	40	--	--	ND<0.5	1.4	0.7	3.0	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
36DD		Jan-88	ND<0.5	38	--	--	ND<0.5	1.0	ND<0.5	3.4	--	ND	--	1.9	ND	ND<0.5	--	--	--	--	--
36DD		May-88	ND<0.5	68	--	--	ND<0.5	1.5	1.6	5.0	--	ND	--	2.6	ND	ND<0.5	--	--	--	--	--
36DD		Aug-88	ND<1.0	72	--	--	ND<1.0	1.6	1.4	3.7	--	ND	--	4.7	ND	ND<1.0	--	--	--	--	--
36DD		Nov-88	ND<5.0	85	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND	--	ND<5.0	ND	ND<5.0	--	--	--	--	--
36DD		Feb-89	ND<5.0	72	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND	--	ND<5.0	ND	ND<5.0	--	--	--	--	--
36DD		May-89	ND<0.5	68	--	--	ND<0.5	1.1	1	2	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
36DD		Aug-89	ND<0.5	70	--	--	ND<0.5	ND<0.5	1.5	3.1	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
36DD		Oct-89	ND<0.5	62	--	--	ND<0.5	ND<0.5	0.5	1.5	--	ND	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
36DD		Jan-90	ND<0.5	57	--	--	ND<0.5	ND<0.5	ND<0.5	0.7	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
36DD		Apr-90	ND<0.5	35	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
36DD		Jul-90	ND<0.5	28	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
36DD		Oct-90	ND<0.5	1,100	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
36DD		Jan-91	ND<0.5	26	--	--	ND<0.5	ND<0.5	ND<0.5	0.6	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
36DD		Apr-91	ND<0.5	27	--	--	ND<0.5	ND<0.5	ND<0.5	0.6	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
36DD		Jul-91	ND<0.5	29	--	--	ND<0.5	ND<0.5	ND<0.5	0.8	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
36DD		Oct-91	ND<0.5	36	--	--	ND<0.5	ND<0.5	ND<0.5	0.8	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
36DD		Jan-92	ND<0.5	37	--	--	ND<0.5	ND<0.5	ND<0.5	0.9	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
36DD		Apr-92	ND<0.5	45	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
36DD		Oct-92	ND<0.5	29	--	--	ND<1.0	ND<0.5	ND<0.5	0.6	ND	ND	ND	--	ND	ND<0.5	ND	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
36DD		Oct-93	ND<0.5	38	--	--	ND<1.0	ND<0.5	ND<0.5	0.6	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
36DD		Oct-94	ND<0.5	58	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
36DD		Oct-95	ND<1.0	42	--	--	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
36DD		Oct-96	ND<0.5	22	29	1.4	ND<0.5	ND<0.5	ND<0.5	0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
36DD		Oct-97+	ND<0.5	13	49	1.1	ND<0.5	ND<0.5	0.5	0.7	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
36DD		Apr-98+	ND<1.2	11	42	ND<1.2	ND<1.2	--	ND<1.2	ND<1.2	ND	ND	ND	ND<5.0	ND	ND<1.2	ND	--	--	--	--
36DD		Oct-99	ND<1.0	10	77	1.2	ND<1.0	ND<1.0	ND<1.0	1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
36DD		Oct-00+	ND<0.5	6.4	100	1.4	ND<1.0	ND<0.5	ND<0.5	1.0	ND	ND	ND	ND<1.0	ND	ND<0.5	ND	--	--	--	--
36DD		Oct-01+	ND<0.5	11	110	1.6	ND<0.5	ND<0.5	0.8	1.1	ND	ND	ND	ND<1.0	ND	ND<0.5	ND	--	--	--	--
36DD		Oct-02+	ND<0.5	8.1	130	2.2	1.3	ND<0.5	0.7	1.0	ND	ND	ND	ND<1.0	ND	ND<0.5	ND	--	--	--	--
36DD		Oct-03+	ND<0.5	1.2	29	1.9	4.6	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<1.0	ND	ND<0.5	ND	--	--	--	--
36DD		Oct-04+	ND<0.5	0.5	31	2.2	4.5	ND<0.5	ND<0.5	0.5	ND	ND	ND	ND<1.0	ND	ND<0.5	ND	--	--	--	--
36DD		Oct-05+	ND<0.5	ND<0.5	73	2.5	12	ND<0.5	0.5	0.7	ND	ND	ND	ND<1.0	ND	ND<0.5	ND	--	--	--	--
36DD		Oct-06+	ND<0.5	0.8	22	1.2	6.2	ND<0.5	ND<0.5	0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND<0.5	--	--	--	--
36DD		Oct-07+	ND<0.5	1.5	22	0.8	3.6	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND<0.5	--	--	--	--
36DD		Oct-08+	ND<0.5	1.6	24	1.1	1.6	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
36DD		Oct-09+	ND<0.5	1.3	35	1.8	2.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
36DD		Oct-10+	ND<0.5	ND<0.5	14	0.7	2.2	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
36DD		Oct-11	ND<0.5	2.6	10	1.9	5.5	--	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
36DD		Oct-12	ND<0.5	3.2	24	1.8	3.3	--	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
36DD		Oct-13	ND<0.5	ND<0.5	11	0.9	1.3	--	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
36DD		Oct-14	ND<0.5	ND<0.5	7.1	1.0	ND<0.5	--	ND<0.5	ND<0.5	--	--	--	ND<2.0	--	ND<0.5	--	--	--	--	--
36DD		Oct-15	ND<0.5	ND<0.5	5.7	1.1	1.7	--	ND<0.50	ND<0.50	--	--	--	ND<0.2	--	ND<0.50	--	--	--	--	--
36DD		Oct-16	ND<0.50	ND<0.50	1.8	1.4	7.3	--	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--
36DD		Oct-17	ND<0.50	4	2.4	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--
36DD		Oct-18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
36DD		Oct-19	ND<0.50	1.0	**12**	1.1	**1.7**	ND<0.50	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--
36DD		Oct-20	ND<0.50	0.86	**16**	3.6	**0.5**	ND<0.50	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--
T-9C (ZB3)		Jan-85	ND<0.5	ND<0.5	--	--	--	ND<0.5	--	--	--	--	--	ND<0.5	ND	--	--	--	--	--	--
T-9C		Oct-85	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-9C		Jan-86	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	--	ND	ND<0.5	--	--	--	--	--
T-9C		Apr-86	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-9C		Jul-86	ND<0.5	9.2	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	32	ND	ND<0.5	--	--	--	--	--
T-9C		Jan-88	ND<5.0	330	--	--	ND<5.0	7.5	ND<5.0	ND<5.0	--	--	--	280	ND	ND<5.0	--	--	--	--	--
T-9C		May-88	ND<2.5	470	--	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	--	--	160	ND	ND<2.5	--	--	--	--	--
T-9C		Aug-89	ND<1.0	190	--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	33	ND	ND<1.0	--	--	--	--	--
T-9C		Oct-90	ND<0.5	81	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	9.0	ND	ND<0.5	ND	--	--	--	--
T-9C		Oct-90	ND<0.5	73	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	9.8	ND	ND<0.5	ND	--	--	--	--
T-9C		Oct-91	ND<0.5	51	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	18	ND	ND<0.5	ND	--	--	--	--
T-9C		Oct-92	ND<0.5	8	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	--	ND	ND<0.5	ND	--	--	--	--
T-9C		Oct-93	ND<0.5	66	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	4.9	ND	ND<0.5	ND	--	--	--	--
T-9C		Oct-94	ND<0.5	12	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-9C		Oct-95	ND<1.0	8.6	--	--	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-9C		Oct-96	ND<0.5	25	3.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-9C		Oct-97	ND<0.5	2.9	0.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<1.0	ND	--	--	--	--
T-9C		Oct-98	ND<1.0	2.4	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-9C	Dup	Oct-99	ND<1.0	4.0	1.7	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-9C		Oct-99	ND<1.0	3.9	1.9	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-9C		Oct-00	ND<3.0	66	43	ND<3.0	ND<3.0	ND<3.0	ND<3.0	ND<3.0	ND<3.0	ND	ND	ND<3.0	ND	ND<3.0	ND<3.0	--	--	--	--
T-9C		Oct-01	ND<5.0	94	65	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	--	--	--	--
T-9C		Oct-02	ND<0.5	3.1	2.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<0.5	ND<2.0	ND<0.5	ND<0.5	--	--	--	--
T-9C		Oct-03	ND<2.5	83	59	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<5.0	ND<2.5	ND<10	ND<2.5	ND<2.5	--	--	--	--
T-9C		Oct-04	ND<0.5	6.1	2.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<0.5	ND<0.5	--	--	--	--
T-9C		Oct-05	ND<0.5	1.7	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-9C		Oct-06	ND<0.5	0.88	0.54	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	--
T-9C		Oct-07	ND<0.5	88	36	1.4	1.6	ND<0.5	1.7	ND<0.5	ND<0.5	ND<1.0	ND<0.5	1.1	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0
T-9C		Oct-08	ND<0.5	43	17	0.6	0.66	ND<0.5	0.82	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1
T-9C		Oct-09	ND<0.50	78	57	2.2	2.8	ND<0.50	1.7	ND<0.50	ND<0.50	ND<1.0	ND<0.50	0.63	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-9C		Oct-10	ND<0.50	0.98	2.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-9C		Oct-11	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-9C		Oct-12	ND<0.50	5	3.7	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
T-9C		Oct-13	ND<0.50	ND<0.50	0.36 J	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50		ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-9C		Oct-14	ND<0.50	ND<0.50	0.54	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-9C		Oct-15	ND<0.50	0.52	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-9C		Oct-16	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-9C		Oct-17	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-9C		Oct-18	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-9C		Oct-19	ND<0.50	0.28 J	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-9C		Oct-20	ND<0.50	**12**	**14**	0.42 J	**0.92**	ND<0.50	0.59	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--
T-8D (ZB4)		Dec-84	ND<0.5	ND<0.5	--	--	--	ND<0.5	--	--	--	ND	ND	ND<0.5	ND	--	--	--	--	--	--
T-8D		Oct-85	ND<0.5	1.1	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	ND	55	ND	ND<0.5	--	--	--	--	--
T-8D		Jan-86	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	ND	--	ND	ND<0.5	--	--	--	--	--
T-8D		Apr-86	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	ND	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-8D		Jul-86	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	ND	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-8D		Sep-86	ND<0.5	2.3	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	ND	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-8D		Oct-87	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	ND	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-8D		Jan-88	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	ND	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-8D		May-88	ND<0.5	0.6	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	ND	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-8D		Aug-88	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	ND	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-8D		Nov-88	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	ND	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-8D		Feb-89	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	ND	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-8D		May-89	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	ND	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-8D		Aug-89	ND<1.0	ND<1.0	--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND	ND	ND<1.0	ND	ND<1.0	--	--	--	--	--
T-8D		Oct-89	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND	ND	ND<0.5	ND	ND<0.5	--	--	--	--	--
T-8D		Jan-90	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8D		Apr-90	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8D		Jul-90	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8D		Oct-90	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8D		Jan-91	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8D		Apr-91	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8D		Jul-91	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8D		Oct-91	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8D		Jan-92	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8D		Apr-92	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8D		Oct-92	ND<0.5	ND<0.5	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8D		Apr-93	ND<0.5	ND<0.5	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	--	ND	ND<0.5	ND	--	--	--	--
T-8D		Oct-93	ND<0.5	ND<0.5	--	--	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8D		Apr-94	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8D		Oct-94	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8D		Oct-95	ND<1.0	ND<1.0	--	--	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-8D		Apr-96	ND<0.5	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8D		Oct-96	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8D		Apr-97	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<0.5	ND	--	--	--	--
T-8D		Oct-97	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<0.5	ND	ND<1.0	ND	--	--	--	--
T-8D		Apr-98	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	ND	ND<2.0	ND	ND<0.5	ND	--	--	--	--
T-8D		Oct-98	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-8D		Apr-99	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--
T-8D		Oct-99	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND	ND<1.0	ND	ND<1.0	ND	--	--	--	--

Appendix C1 - Historical Groundwater Volatile Organic Compound Results
Former TRW Microwave Site - 825 Stewart Drive, Sunnyvale, California

Well/Sample Number	Duplicate Collected	Dates	PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	tDCE (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[c]			*5*	*5*	*6*	*10*	*0.5*	*200*	*6*	*5*	*100*	*150*	*NE*	*1200*	*100*	*600*	*70*	*1*	*300*	*150*	*1750*
T-8D		Oct-00	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND<1.0	ND	ND<1.0	ND<1.0	--	--	--	--
T-8D		Oct-01	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<2.0	ND<0.5	ND<0.5	--	--	--	--
T-8D		NA	Per Water Board approval, groundwater sampling of well T-8D was suspended in 2002.																		
BH10-23		Dec-18	5.0	**5.1**	**380**	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	5.0
BH10-32		Dec-18	5.0	**73**	**520**	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	5.0
BH1123		Dec-18	1.3	**98**	**83**	2.3	**1.0**	1.0	1.0	1.0	1.0	2.0	1.0	1.0	2.0	2.7	1.0	1.0	1.0	1.0	1.0
BH11-27		Dec-18	5.0	**300**	**310**	6.8	**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	5.0
BH11-36		Dec-18	5.0	**360**	**82**	5.0	**5.0**	5.0	5.0	5.0	5.0	10	5.0	5.5	10	5.0	5.0	**5.0**	5.0	5.0	5.0
BH12-17		Dec-18	1.0	**55**	**70**	1.6	**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	1.0
BH12-25		Dec-18	2.5	**83**	**98**	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	2.5
BH12-36		Dec-18	5.0	**120**	**170**	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	5.0
T-25Bd		Dec-18	**8.2**	**450**	**77**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	5.1	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
T-25Bd		Oct-19	**5.3**	**300**	**61**	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<10	ND<5.0	2.5	ND<2.5	--	--	--	--
T-25Bd		Oct-20	**6.2**	**320**	**74**	1.2 J	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<10	3.6 J	ND<10	2.4 J	ND<5.0	--	--	--	--

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 United States Environmental Protection Agency (USEPA) MCLs were used.
-- = Not analyzed or applicable
^ = Data not previously reported due to low levels.
< = Not detected at the detection limit shown.
+ = Data provided by Advanced Micro Devices (AMD).
** = Well resampled in July 1998 due to potential labeling error.
B = Compound was found in the blank and sample.
ND = Not Detected
NE = Not Established
µg/L = microgram per Liter
NS = Well was not sampled due to inaccessibility.
RWQCB = 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.
Data reported as total 1,2-DCE prior to 1996.
Higlighted results correspond to the October 2020 event for each well when it applies.

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

Appendix C2 - Historical Groundwater General Environmental Parameter Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well	Date	Temperature (°C)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	Oxidation-Reduction Potential (mV)	Dissolved Hydrogen (nM)	Alkalinity (mg/L as CaCO3)	Total Organic Carbon (mg/L)
Zone A Aquifer Wells									
36D	Nov-99	21.4	--	--	--	151	--	--	--
36D	Apr-03	--	--	--	--	-263	--	--	--
36D	Apr-04	21.0	--	--	--	-299	--	--	--
38-S	Oct-08	21.5	--	--	--	17	--	--	--
38-S	Oct-09	20.25	--	--	--	149	--	--	--
38-S	Oct-10	22.01	6.93	9.507	1.5	44.0	--	--	--
38-S	Oct-11	21.80	6.92	1.366	1.2	140.6	--	--	--
38-S	Apr-12	18.96	6.94	1.26	--	-139	--	--	1.1
38-S	Oct-12	22.57	6.69	1.265	5.30	-19.1	--	--	<1.0
38-S	May-13	22.8	7.01	1.286	32.8	-75	--	--	1.3
38-S	Oct-13	21.4	6.65	1.435	3	5.8	--	--	<1
38-S	Oct-14	21.7	6.98	1.251	5	-40.1	--	--	1.8
38-S	Oct-15	23.2	6.91	1.237	--	39	--	--	0.57 J
38-S	Oct-16	22.3	6.87	1.271	--	-26	--	--	2.3
38-S	Oct-17	23.2	6.98	1333	10.00	105.6	--	--	0.58 J
38-S	Oct-18	21.2	7.08	1.441	2	61.9	--	--	--
38-S	Oct-19	23.28	7.11	1.544	14.9	58.9	--	--	--
38-S	Oct-20	22	6.72	1.439	5	116.7	--	--	--
T-7A	Oct-99	20.5	--	--	--	202	1.65	500	2.3
T-7A	Jun-01	18.9	--	--	--	197	3.00	410	<5.0
T-7A	Apr-04	18.9	--	--	--	151	--	--	--
T-7A	Jan-07	18.2	6.25	1.67	--	168	--	--	--
T-7A	May-07	21.1	--	--	--	85	--	--	--
T-7A	Oct-07	21.3	7.34	0.162	202	--	--	--	--
T-7A	Oct-08	21.9	--	--	--	237	--	--	--
T-7A	Oct-09	21.40	7.01	1.7	30.8	115	--	--	--
T-7A	Oct-10	20.81	6.88	4.9	0.0	170.0	--	--	--
T-7A	Oct-11	20.54	6.91	1.535	0.0	222.0	--	--	--
T-7A	Oct-12	20.88	7.01	1.472	0.0	69.1	--	--	<1.0
T-7A	Oct-13	22.5	6.6	1.38	1	50.2	--	--	--
T-7A	Oct-14	21.7	7	1.301	1	68.1	--	--	--
T-7A	Jun-15	22.8	6.89	1.372	--	-12.2	--	--	--
T-7A	Oct-15	25.17	6.86	1.418	--	30	--	--	--
T-7A	Oct-16	22.5	6.9	1.347	--	-45.3	--	--	--
T-7A	Oct-17	23.5	6.93	1,416	1	194.6	--	--	--
T-7A	Oct-18	25.2	7.06	1.613	1	31.1	--	--	--
T-7A	Oct-19	22.3	6.94	1.468	3	95.3	--	--	--
T-7A	Oct-20	24.2	6.97	1.476	3	29.2	--	--	--
EDUCTOR -11	Nov-99	21.3	7.02	1.46	0	200	0.96	470	<2.0
EDUCTOR-11	Jan-01	24.4	7.01	1.45	4	-73	--	--	--
EDUCTOR-11	Mar-01	18.9	7.06	1.46	20	-300	--	--	--
EDUCTOR-11	Jun-01	19.6	6.93	1.44	0	-162	3.20	590	10
EDUCTOR-11	Aug-01	21.0	4.92	4.17	22	-125	56,000	1,000	5,900
EDUCTOR-11	Oct-01	21.2	4.85	5.22	147	-20	4,000	690	24,000
EDUCTOR-11	Nov-01	19.5	--	--	--	-66	3,000	2,300	8,000
EDUCTOR-11	Jan-02	19.0	--	--	--	-37	2,100	770	21,000
EDUCTOR-11	Mar-02	19.7	--	--	--	-32	480	3,300	5,900
EDUCTOR-11	Jul-02	19.2	--	--	--	-160	2,800	2,900	1,800
EDUCTOR-11	Oct-02	19.6	5.69	5.52	1	4.7	120	6,200	3,700
EDUCTOR-11	Jan-03	18.9	--	--	--	-77	--	2,200	2,800
EDUCTOR-11	Apr-03	18.7	--	--	--	-400	--	2,200	1,700
EDUCTOR-11	Jul-03	19.0	6.32	1.44	11	-87	--	6,200	8,000
EDUCTOR-11	Oct-03	20.1	--	--	--	-236	--	2,100	200
EDUCTOR-11	Jan-04	18.8	--	--	--	-260	--	1,200	16
EDUCTOR-11	Apr-04	19.0	6.45	3.09	33	-247	--	1,600	46
EDUCTOR-11	Oct-04	20.7	--	--	--	-220	--	1,800	25
EDUCTOR-11	Jan-05	19.2	--	--	--	-239	--	--	14
EDUCTOR-11	Apr-05	18.9	--	--	--	-178	--	--	55
EDUCTOR-11	Jul-05	19.9	--	--	--	-115	--	--	61
EDUCTOR-11	Sep-05	20.7	--	--	--	--	--	--	--
EDUCTOR-11	Oct-05	20.5	--	--	--	-211	--	--	26
EDUCTOR-11	Jan-06	19.8	--	--	--	-144	--	--	330
EDUCTOR-11	Apr-06	19.3	--	--	--	-254	--	--	26
EDUCTOR-11	Oct-06	20.5	--	--	--	-162	--	--	15
EDUCTOR-11	Apr-07	19.3	6.43	0.232	51.2	-133	--	--	18
EDUCTOR-11	Oct-07	20.0	--	--	--	-151	--	--	18
EDUCTOR-11	Oct-08	20.5	--	--	--	-220	--	--	--
EDUCTOR-11	Oct-09	20.68	--	--	--	-136	--	--	6.2
EDUCTOR-11	Mar-10[a]	19.79	6.25	2.47	362	-292	--	900	570
EDUCTOR-11	Oct-10[b]	18.94	7.24	2.213	391.4	-124.4	--	--	160.0
EDUCTOR-11	Oct-10[c]	19.81	5.99	4.413	7.1	-82.8	--	960	280.0
EDUCTOR-11	Mar-11	--	--	--	--	--	--	2,700	3,600
EDUCTOR-11	May-11	--	5.57	--	--	-67.0	--	2,200	3,200
EDUCTOR-11	Oct-11	20.40	5.48	3.806	4.0	-81.7	--	1,400	280
EDUCTOR-11	Apr-12	18.45	5.24	3.813	--	-26.6	--	--	2,200
EDUCTOR-11	Oct-12	20.22	5.43	3.668	9.00	-19	--	--	49
EDUCTOR-11	May-13	20.26	5.49	3.478	9.4	-15.9	--	--	1,800
EDUCTOR-11	Oct-13	19.9	4.91	2.306	7	11.3	--	--	1,390
EDUCTOR-11	Apr-14	18.8	5.59	1.616	9	-24	--	--	634
EDUCTOR-11	Sep-14	20.4	5.62	2.46	0	14	--	--	--
T-2A	Nov-99	21.0	6.77	1.49	0	181	22.8	500	4.1

Appendix C2 - Historical Groundwater General Environmental Parameter Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well	Date	Temperature (°C)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	Oxidation-Reduction Potential (mV)	Dissolved Hydrogen (nM)	Alkalinity (mg/L as CaCO3)	Total Organic Carbon (mg/L)
T-2A	Jan-01	19.0	6.11	1.91	25	-324	190	840	410
T-2A	Mar-01	18.3	6.39	2.33	105	-221	580	820	150
T-2A	Jun-01	19.7	6.71	2.21	9	-121	12	1,900	1,600
T-2A	Aug-01	21.1	6.24	2.78	1	-127	29	330	410
T-2A	Oct-01	20.9	6.27	2.8	19	-103	15	1,700	460
T-2A	Nov-01	19.8	6.62	2.43	67	-85	11	1,200	1,100
T-2A	Jan-02	--	--	--	--	--	--	--	--
T-2A	Apr-02	19.3	6.53	3.13	48	-150	5.2	2,400	490
T-2A	Jul-02	19.2	6.40	4.227	--	-150	27	2,000	360
T-2A	Oct-02	19.6	6.48	3.79	53	-112	8	2,700	840
T-2A	Jan-03	18.6	6.82	2.68	5	-122	--	1,700	45
T-2A	Apr-03	18.9	6.65	2.39	0	-387	--	1,200	28
T-2A	Jul-03	19.2	7.11	2.51	35	-129	--	1,600	17
T-2A	Oct-03	20.2	6.79	2.53	21	-118	--	1,400	13
T-2A	Jan-04	19.3	6.32	2.33	0	-242	--	1,100	12
T-2A	Apr-04	19.3	6.54	2.37	7	-213	--	1,400	17
T-2A	Oct-04	20.7	6.51	2.82	--	-116	--	1,500	16
T-2A	Jan-05	19.2	6.74	2.58	16	-199	--	--	7.0
T-2A	Apr-05	19.1	6.67	2.2	235	-99	--	--	32
T-2A	Jul-05	20.2	6.41	2.62	--	-139	--	--	24
T-2A	Oct-05	20.7	7.06	2.03	410	-199	--	--	--
T-2A	Jan-06	20.0	6.78	0.257	13	-175	--	--	--
T-2A	Apr-06	19.5	6.86	1.82	580	-101	--	--	--
T-2A	Oct-06	19.6	7.72	2.12	202	-155	--	--	--
T-2A	Apr-07	19.4	6.18	0	131	-60	--	--	--
T-2A	Oct-07	20.7	6.49	2.41	8.6	-144	--	--	--
T-2A	Oct-08	20.7	7.02	0.19	48.6	-58	--	--	--
T-2A	Oct-09	20.64	6.81	2.5	4.3	-76	--	--	3.1 J
T-2A	10/12/2010[c]	20.19	6.66	2.006	0.0	-88.5	--	980	4.8
T-2A	10/20/2010[b]	19.91	6.65	1.655	773.4	-55.7	--	--	340
T-2A	11/15/2010[a]	19.9	6.73	0.82	225	-303	--	790	120
T-2A	Mar-11	--	--	--	--	--	--	860	180
T-2A	May-11	--	--	--	--	--	--	960	28
T-2A	Oct-11	20.16	6.65	2.339	2.2	-145.6	--	1,100	4.8
T-2A	Apr-12	18.66	6.97	1.958	--	-87.9	--	--	7.6
T-2A	Oct-12	20.03	6.73	2.252	2.1	-123.2	--	--	6.5
T-2A	May-13	20.34	7.31	2.283	57.9	-137	--	--	8.1
T-2A	Oct-13	19.8	6.36	1.877	2	-117.5	--	--	5.9
T-2A	Apr-14	19.2	6.79	2.112	4	-84	--	--	6.4
T-2A	Sep-14	20.44	6.84	2.37	0	-84	--	--	6.5
T-3A	Oct-08	21.5	7.47	0.13	0	214	--	--	--
T-3A	Oct-09	20.10	7.44	1.68	5	1.67	--	--	--
T-3A	Oct-10	20.10	6.90	5.499	0.0	80.2	--	--	--
T-3A	Oct-11	20.39	6.93	1.666	0.2	222.3	--	--	--
T-3A	Oct-12	20.66	6.90	1.445	0.0	122.3	--	--	--
T-3A	Oct-13	20	6.71	1.303	1	134.9	--	--	
T-3A	Apr-14	19.6	6.98	1.376	1	-20	--	--	--
T-3A	Sep-14	20.46	7.15	1.43	0.0	152	--	--	--
T-8A	Oct-99	21.5	5.78	1.44	1	124	1.36	510	2.2
T-8A	Jan-01	18.8	6.57	1.44	11	-311	--	--	--
T-8A	Mar-01	18.9	7.00	1.44	151	17	--	--	--
T-8A	Jun-01	21.5	6.86	1.49	0	141	3.20	510	<5.0
T-8A	Aug-01	20.1	6.71	1.45	0	140	1.10	560	<5.0
T-8A	Oct-01	21.0	6.35	1.4	10	77	3.90	470	6.4
T-8A	Nov-01	20.0	6.96	1.31	4	-116	220	450	<5.0
T-8A	Jan-02	18.9	6.77	1.35	6	73.5	1.1	510	<5.0
T-8A	Mar-02	19.3	7.01	1.69	9	59	7.9	440	<5.0
T-8A	Jul-02	20.5	6.22	2	--	316	13	450	<5.0
T-8A	Oct-02	20.5	6.93	1.33	11	67	11	480	<5.0
T-8A	Jan-03	18.9	6.89	1.4	0	143	--	--	--
T-8A	Apr-03	18.9	6.86	1.46	0	58	--	--	--
T-8A	Jul-03	20.4	7.18	1.46	0	86	--	--	--
T-8A	Oct-03	20.8	6.92	1.44	5	109	--	--	--
T-8A	Jan-04	19.6	6.50	1.46	0	170	--	420	--
T-8A	Apr-04	19.8	6.75	1.41	0	92	--	480	--
T-8A	Oct-04	21.5	6.28	1.45	0	-138	--	--	--
T-8A	Apr-05	20.0	6.98	1.44	849	77	--	--	--
T-8A	Jul-05	21.4	6.68	1.35	--	79	--	470	6.9
T-8A	Oct-05	22.1	6.55	1.61	0	-100	--	--	<5.0
T-8A	Jan-06	19.2	6.99	0.15	10	-176	--	--	<5.0
T-8A	Apr-06	19.1	6.69	1.37	13	-389	--	--	<5.0
T-8A	Jul-06	22.4	6.59	0.156	12	8	--	--	<5.0
T-8A	Oct-06	22.3	6.52	0.151	10	-101	--	--	<5.0
T-8A	Jan-07	19.4	6.33	1.6	--	21	--	--	<5.0
T-8A	Apr-07	21.3	6.73	1.55	21.9	19	--	--	<5.0
T-8A	Oct-07	22.2	7.03	0.159	8.1	-300	--	--	<5.0
T-8A	Oct-08	21.8	6.98	1.87	--	-240	--	--	--
T-8A	Feb-09	18.5	7.31	1.61	2.3	-69	--	--	--
T-8A	Oct-09	23.1	6.71	1.69	9.8	-69	--	--	<5.0
T-8A	Apr-10	18.98	6.97	1.32	24.5	-33	--	--	<5.0
T-8A	Oct-10	20.40	6.85	1.546	0.0	33.1	--	--	<1.0
T-8A	Oct-11	20.50	6.87	1.538	0.2	192.4	--	--	<1.0

Appendix C2 - Historical Groundwater General Environmental Parameter Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well	Date	Temperature (°C)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	Oxidation-Reduction Potential (mV)	Dissolved Hydrogen (nM)	Alkalinity (mg/L as CaCO3)	Total Organic Carbon (mg/L)
T-8A	Apr-12	19.73	6.86	1.362	--	12.8	--	--	0.66 J
T-8A	Oct-12	21.24	6.89	1.41	0	69	--	--	<1.0
T-8A	May-13	22.48	6.59	1.431	26.8	63	--	--	1.2
T-8A	Oct-13	19.6	6.63	1.313	2	190.6	--	--	<1
T-8A	Apr-14	19	6.9	1.377	5	-28	--	--	1
T-8A	Oct-14	22.5	6.9	1.314	1	65.3	--	--	1
T-8A	Jun-15	24.6	6.92	1.378	--	24.5	--	--	0.68 J
T-8A	Oct-15	22.3	6.88	1.33	--	17	--	--	0.53 J
T-8A	May-16	20.2	6.67	1.32	2	38.7	--	--	1.1
T-8A	Oct-16	21.3	6.78	1.24	--	34.3	--	--	0.76 J
T-8A	Oct-17	22.0	6.94	1.404	1	59.6	--	--	0.99 J
T-8A	Oct-18	22.8	7.45	1.288	6	-137.2	--	--	--
T-8A	Oct-19	23.2	6.94	1.497	6	-98	--	--	--
T-8A	Oct-20	24.4	7.06	1.477	7	30.1	--	--	--
T-9A	Jan-04	20.0	6.54	1.4	0	194	--	420	--
T-9A	Apr-04	19.2	6.75	1.65	7	144	--	490	--
T-9A	Oct-04	23.1	6.80	1.49	0	119	--	--	--
T-9A	Jan-05	20.7	6.92	1.36	503	65	--	--	--
T-9A	Apr-05	19.6	6.96	1.28	467	48	--	--	--
T-9A	Jul-05	20.8	6.37	1.34	--	126	--	470	11
T-9A	Oct-05	22.5	6.91	1.46	724	88	--	--	<5.0
T-9A	Jan-06	21.0	6.99	1.28	108	25	--	--	--
T-9A	Apr-06	19.9	6.60	1.39	70.1	-221	--	--	--
T-9A	Jul-06	20.6	6.74	0.145	113	69	--	--	--
T-9A	Oct-06	21.6	6.60	1.5	66	145	--	--	--
T-9A	Jan-07	20.2	6.36	1.57	--	92	--	--	--
T-9A	May-07	20.7	6.82	1.56	-2	6.7	--	--	--
T-9A	Oct-07	22.6	6.59	2.18	13	140	--	--	--
T-9A	Oct-08	22.9	6.7	215	--	-131	--	--	--
T-9A	Oct-09	21.89	6.59	1.66	2	49	--	--	--
T-9A	Oct-10	22.68	6.84	1.547	0.0	35.9	--	--	--
T-9A	Oct-11	21.53	6.81	1.506	0.0	234.0	--	--	--
T-9A	Oct-12	22.03	6.84	1.415	0.0	-77.1	--	--	0.055 J
T-9A	Oct-13	22.1	6.59	1.315	1	96.8	--	--	--
T-9A	Oct-14	23.8	6.92	1.329	1	56.5	--	--	--
T-9A	Oct-15	21.8	6.82	1.32	--	109.1	--	--	--
T-9A	Oct-16	22.6	6.82	1.291	--	-33.3	--	--	--
T-9A	Oct-17	21.8	6.92	1.348	1	173.4	--	--	--
T-9A	Oct-18	22.4	7.09	1.344	2	39	--	--	--
T-9A	Oct-20	25	6.67	1.355	13	-45	--	--	--
T-13A	Nov-05	21.0	6.43	1.48	0	248	--	510	6.5
T-13A	Jan-06	20.2	6.97	0.158	0	244	--	--	<5.0
T-13A	Apr-06	20.0	6.98	0.721	38	111	--	--	<5.0
T-13A	Jul-06	20.8	6.23	0.154	5	199	--	--	<5.0
T-13A	Oct-06	20.6	5.86	0.17	10	188	--	--	<5.0
T-13A	Jan-07	20.4	6.39	1.72	--	65	--	--	<5.0
T-13A	Apr-07	20.2	6.38	1.69	--	145	--	--	<5.0
T-13A	Jul-07	20.4	6.70	0.134	9.9	236	--	--	<5.0
T-13A	Oct-07	20.5	6.10	2.24	259	-152	--	--	410
T-13A	Oct-08	20.4	7.15	0.32	325	-181	--	--	37
T-13A	Feb-09	19.02	7.09	1.93	65.2	-102	--	--	--
T-13A	Oct-09	20.28	6.53	1.77	1.8	-110	--	--	2.3 J
T-13A	Apr-10	18.57	6.77	1.47	23.4	-108	--	--	0.8 J
T-13A	Oct-10	19.24	6.75	1.538	0.0	-119	--	--	1.0
T-13A	Oct-11	19.60	6.79	1.524	0.0	-23	--	--	1.0
T-13A	Apr-12	18.9	6.41	1.552	--	-113	--	--	14
T-13A	Oct-12	20.4	6.60	1.48	3.4	-105.6	--	--	6.6
T-13A	May-13	20.41	7.02	1.412	55.1	-133	--	--	2.4
T-13A	Oct-13	20.6	6.85	1.418	52	-79.1	--	--	1.2
T-13A	Apr-14	19.6	6.9	1.309	12	-90	--	--	1.7
T-13A	Oct-14	20.6	6.93	1.332	4	-59.4	--	--	2.1
T-13A	Jun-15	21.8	6.86	1.393	--	-77	--	--	0.94 J
T-13A	Oct-15	21.5	6.86	1.133	--	-55	--	--	0.74 J
T-13A	May-16	20.5	6.87	1.347	6	-12.3	--	--	1.1
T-13A	Oct-16	20.1	6.81	1.271	--	-53.4	--	--	1.1
T-13A	Oct-17	20.3	6.93	1.400	2	153.4	--	--	0.52 J
T-13A	Oct-18	21.2	7.39	1.278	4	-131.8	--	--	--
T-13A	Oct-19	21.24	7.27	1.714	8.21	-12	--	--	--
T-13A	Oct-20	23.9	6.91	1.478	5	12.3	--	--	--
T-14A	Nov-05	20.6	6.37	1.44	36	242	--	490	5.4
T-14A	Jan-06	19.1	6.92	0.161	0	150	--	--	<5.0
T-14A	Apr-06	20.2	6.91	1.51	44	80	--	--	<5.0
T-14A	Oct-06	20.5	6.71	0.151	10	51	--	--	<5.0
T-14A	Apr-07	24.6	6.45	1.46	--	124	--	--	<5.0
T-14A	Jul-07	21.1	6.87	0.133	9.4	141	--	--	<5.0
T-14A	Oct-07	20.9	6.01	2.03	71.5	-163	--	--	430
T-14A	Oct-08	21.0	6.66	243	--	-466	--	--	22
T-14A	Feb-09	18.82	7.14	1.4	50.2	-89	--	--	--
T-14A	Oct-09	20.65	7.43	1.72	41.8	-154	--	--	8.0
T-14A	Apr-10	18.36	6.80	1.51	252.0	-110	--	--	1.3 J
T-14A	Oct-10	19.99	6.87	4.45	4.7	-170	--	--	1.2
T-14A	Oct-11	20.03	6.77	1.455	0.9	91	--	--	1.2
T-14A	Apr-12	17.8	6.71	1.413	--	-117	--	--	6.6
T-14A	Oct-12	20.51	6.63	1.363	3.9	-79.8	--	--	--

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Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well	Date	Temperature (°C)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	Oxidation-Reduction Potential (mV)	Dissolved Hydrogen (nM)	Alkalinity (mg/L as CaCO3)	Total Organic Carbon (mg/L)
T-14A	May-13	20.1	7.21	1.393	31.2	-151	--	--	1.6
T-14A	Oct-13	18.2	6.67	1.232	4	-109.9	--	--	<1
T-14A	Apr-14	18.5	6.9	1.338	7	-92.5	--	--	1.2
T-14A	Oct-14	19.5	6.91	1.256	2	-68.6	--	--	1.2
T-14A	Oct-15	22.0	6.84	1.278	--	-56	--	--	0.68 J
T-14A	Oct-16	20	6.79	1.231	--	-84.5	--	--	1
T-14A	Oct-17	20.1	6.89	1.333	3	172.4	--	--	0.48 J
T-14A	Oct-18	20.9	7.33	1.319	7	-213.6	--	--	--
T-14A	Oct-19	21.14	7.24	1.499	21.6	-83.9	--	--	--
T-14A	Oct-20	23	6.9	1.343	4	-28.2	--	--	--
T-15A	Nov-05	21.5	6.44	1.46	90	-125	--	580	<5.0
T-15A	Jan-06	20.3	7.00	0.164	54	-188	--	--	<5.0
T-15A	Apr-06	20.3	7.02	0.901	466	-104	--	--	<5.0
T-15A	Jul-06	22.3	6.64	0.147	215	-23	--	--	<5.0
T-15A	Oct-06	21.4	6.77	0.147	10	-15	--	--	<5.0
T-15A	Jan-07	20.1	6.37	1.64	--	69	--	--	<5.0
T-15A	May-07	19.9	6.89	0.121	504	60	--	--	<5.0
T-15A	Jul-07	22.2	7.16	0.13	27.4	135	--	--	<5.0
T-15A	Oct-07	22.3	6.62	2.03	205	15	--	--	<5.0
T-15A	Oct-08	22.6	7.22	0.18	24.9	64	--	--	<5.0
T-15A	Oct-09	21.27	6.64	1.61	27.9	34	--	--	<5.0
T-15A	Oct-10	21.27	6.84	1.489	0.0	63	--	--	--
T-15A	Apr-12	19.8	6.81	1.337	--	94	--	--	0.98 J
T-15A	Oct-12	22.0	6.47	1.366	0	6.47	--	--	1.6
T-15A	May-13	22.05	6.47	1.444	101	114	--	--	1.3
T-15A	Oct-13	21.4	6.55	1.282	4	170.9	--	--	--
T-15A	Apr-14	20.5	6.88	1.358	2	-33	--	--	<1
T-15A	Oct-14	21.2	6.91	1.277	1	93.6	--	--	--
T-15A	Oct-15	22.8	6.83	1.319	--	27	--	--	--
T-15A	Oct-16	26.1	6.85	1.303	--	-51.4	--	--	--
T-15A	Oct-17	22.2	6.88	1.329	3	154.6	--	--	--
T-15A	Oct-18	20.5	7	1.339	1	47.9	--	--	--
T-15A	Oct-19	21.22	7.23	1.515	27.7	32.5	--	--	--
T-15A	Oct-20	22.7	6.62	1.335	2	116.9	--	--	--
T-16A	Nov-05	22.0	6.41	1.48	15	-101	--	590	7.6
T-16A	Jan-06	20.7	6.96	1.42	224	-107	--	--	<5.0
T-16A	Apr-06	20.3	7.03	1.43	582	-105	--	--	<5.0
T-16A	Oct-06	22.3	6.87	0.15	526	-57	--	--	<5.0
T-16A	May-07	20.5	6.86	0.99	78	51	--	--	<5.0
T-16A	Oct-07	21.8	7.06	0.15	567	-34	--	--	<5.0
T-16A	Oct-08	24.0	6.73	212	--	-135	--	--	<5.0
T-16A	Oct-09	22.7	6.24	1.72	6	15	--	--	<5.0
T-16A	Oct-10	21.26	6.82	2.996	3.1	139.7	--	--	--
T-16A	Oct-11	21.35	6.80	1.479	-0.7	274.7	--	--	--
T-16A	Oct-12	22.02	6.71	1.384	0.1	115.5	--	--	--
T-16A	Oct-13	21	6.58	1.275	26	149.2	--	--	--
T-16A	Oct-14	22.4	6.92	1.293	6	79.8	--	--	--
T-16A	Oct-15	21.9	6.84	1.286	--	-45	--	--	--
T-16A	Oct-16	20.4	6.63	1.221	--	54.4	--	--	--
T-16A	Oct-17	24.5	6.89	1.346	7	175.6	--	--	--
T-16A	Oct-18	25.2	7.31	1.343	9	-132.6	--	--	--
T-16A	Oct-19	22.1	6.88	1.371	6	81.3	--	--	--
T-16A	Oct-20	23.3	6.78	1.336	19	47.5	--	--	--
T-17A	Nov-11	18.80	7.7	--	--	-25	--	--	0.71 J
T-17A	Nov-11	18.2	7.3	--	--	-58	--	--	3
T-17A	Apr-12	18.2	6.91	1.195	--	61.2	--	--	0.63 J
T-17A	Oct-12	21.1	6.87	1.313	4.9	147.6	--	--	<1.0
T-17A	May-13	20.79	6.46	1.308	38.1	170	--	--	1.1
T-17A	Oct-13	20.4	6.79	1.231	2	-30.5	--	--	<1
T-17A	Apr-14	19.6	7.02	1.258	6	-42	--	--	<1
T-17A	Oct-14	21.1	7.23	1.286	4	-47.1	--	--	1.1
T-17A	Jun-15	21.3	7.12	1.350	--	-39	--	--	0.62 J
T-17A	Oct-15	25.3	6.88	1.234	--	6	--	--	0.52 J
T-17A	May-16	20.1	6.82	1.265	4	-8.1	--	--	0.87 J
T-17A	Oct-16	21.6	7.02	1.281	--	-60.5	--	--	0.77 J
T-17A	Oct-17	20.2	6.98	1.315	4	144.6	--	--	0.53 J
T-17A	Oct-18	24.7	7.36	1.106	5	-103.8	--	--	--
T-17A	Oct-19	21.6	6.94	1.260	7	-155.1	--	--	--
T-17A	Oct-20	24.2	6.68	1.419	3	15.8	--	--	--
T-19A	Sep-07	20.9	7.04	1.56	146	36	--	--	<5.0
T-19A	Oct-07	22.0	5.47	6.13	404	-136	--	--	3,500
T-19A	Oct-08	22.4	6.49	498	--	-344	--	--	24
T-19A	Feb-09	15.76	7.00	1.46	0.0	-94	--	--	--
T-19A	Oct-09	22.67	6.84	1.8	2	-120	--	--	5.1
T-19A	Apr-10	14.80	6.90	0.714	7.2	-137	--	--	7.6
T-19A	Oct-10	19.98	6.81	4.452	0.0	-120	--	--	5.5
T-19A	Oct-11	21.15	6.88	1.326	0.6	-133	--	--	5.5
T-19A	Apr-12	16.83	6.56	2.056	--	-141	--	--	16
T-19A	Oct-12	21.14	6.59	2.042	11	-136.4	--	--	12
T-19A	May-13	19.07	7.09	1.519	30.1	-159	--	--	5.4
T-19A	Oct-13	21.7	6.67	1.542	11	-105.2	--	--	4.4
T-19A	Apr-14	16	6.86	1.024	7	-96	--	--	3.6
T-19A	Oct-14	21.6	6.82	1.346	4	-119.1	--	--	3.2
T-19A	Jun-15	21.20	6.9	1.317	--	-92	--	--	1.8

Appendix C2 - Historical Groundwater General Environmental Parameter Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well	Date	Temperature (°C)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	Oxidation-Reduction Potential (mV)	Dissolved Hydrogen (nM)	Alkalinity (mg/L as CaCO3)	Total Organic Carbon (mg/L)
T-19A	Oct-15	22.60	6.9	1.323	--	-112	--	--	1.6
T-19A	May-16	20.90	7.0	1.231	33.0	-97	--	--	2
T-19A	Oct-16	22.60	6.9	1.29	--	-80.4	--	--	1.5
T-19A	Oct-17	22.7	6.97	1.353	2.0	-31.0	--	--	1.3
T-19A	Oct-18	23.5	7.11	1.317	21	-128.1	--	--	--
T-19A	Oct-19	22.71	7.26	1.523	14.6	-78	--	--	--
T-19A	Oct-20	23.2	6.82	2.344	29	-63.9	--	--	--
T-23A	Sep-07	20.6	7.12	1.46	163	105	--	--	<5.0
T-23A	Oct-07	20.3	6.65	0.19	593	-230	--	--	190
T-23A	Oct-08	20.1	6.73	0.423	--	-444	--	--	19
T-23A	Feb-09	18.8	7.13	1.73	32.5	-89	--	--	--
T-23A	Oct-09	20.02	7.60	1.79	6.1	-141	--	--	15
T-23A	Apr-10	17.15	6.70	1.51	34.5	-144	--	--	1.3 J
T-23A	Oct-10	19.12	6.79	1.57	0.0	-82	--	--	1.1
T-23A	Oct-11	19.76	6.85	1.61	0.5	-16	--	--	1.1
T-23A	Apr-12	18.0	6.49	1.71	--	-123	--	--	34
T-23A	Oct-12	19.8	6.61	1.49	18.9	-91.9	--	--	6.8
T-23A	May-13	20.28	7.06	1.484	51.5	-147	--	--	3.3
T-23A	Oct-13	20.5	6.69	1.523	847	-108	--	--	3.6
T-23A	Apr-14	18.1	6.89	1.39	11	-123	--	--	1.7
T-23A	Oct-14	20.4	6.94	1.35	9	-99	--	--	3.5
T-23A	Jun-15	20.4	6.96	1.409	--	-64	--	--	0.89 J
T-23A	Oct-15	21.9	6.90	1.354	--	-84	--	--	0.85 J
T-23A	May-16	20.3	6.84	1.306	7	-36.7	--	--	1.1
T-23A	Oct-16	18.8	6.86	1.222	--	-34	--	--	1.2
T-23A	Oct-17	20.3	6.93	1.413	2	115.9	--	--	0.53 J
T-23A	Oct-18	20.2	7.26	1.406	12	-109.8	--	--	--
T-23A	Oct-19	21.31	7.15	1.704	11.6	-91.6	--	--	--
T-23A	Oct-20	23.65	6.92	2.914	44	-69.1	--	--	--
T-25A	Sep-07	21.7	7.03	1.59	144	0.71	--	--	<5.0
T-25A	Oct-07	21.4	6.89	0.14	398	-155	--	--	24
T-25A	Oct-08	22.0	7.18	0.19	17.2	-129	--	--	<5.0
T-25A	Feb-09	18.35	7.20	1.57	16.1	-86	--	--	--
T-25A	Oct-09	21.61	6.69	1.63	3.4	-101	--	--	<5.0
T-25A	Apr-10	18.11	6.80	1.57	107.0	-87	--	--	0.8 J
T-25A	Oct-10	20.06	6.87	6.54	12.1	-24.6	--	--	<1.0
T-25A	Oct-11	20.33	6.74	1.46	1.4	299.5	--	--	<1.0
T-25A	Apr-12	19.1	6.76	1.31	--	-138.2	--	--	1.5
T-25A	Oct-12	20.86	6.54	1.37	1.1	-81.2	--	--	1.5
T-25A	May-13	21.76	7.29	1.41	150	-101	--	--	1.4
T-25A	Oct-13	19.3	6.57	1.252	3	-90.2	--		<1
T-25A	Apr-14	19.2	6.91	1.341	13	-97	--	--	1
T-25A	Oct-14	20.9	6.95	1.266	2	-67.2	--	--	1.2
T-25A	Jun-15	20.7	6.82	1.350	--	-20	--	--	0.70 J
T-25A	Oct-15	22.1	6.84	1.272	--	-35	--	--	0.54 J
T-25A	May-16	20.7	6.79	1.355	30	39.7	--	--	0.85 J
T-25A	Oct-16	21.4	6.83	1.240	--	-42	--	--	0.75 J
T-25A	Oct-17	21.7	6.89	1.330	5	173.8	--	--	0.46 J
T-25A	Oct-18	23.5	7.31	1.351	5	-125.4	--	--	--
T-25A	Oct-19	21	7.24	1.495	35.1	38.3	--	--	--
T-25A	Oct-20	22.63	6.97	2.501	29	127.9	--	--	--
Zone B1 Aquifer Wells									
T-7B	Oct-99	19.3	8.74	0.41	0	75	1.19	330	2.1
T-7B	Sep-00	19.9	6.60	1.16	2	-230	--	350	2.3
T-7B	Nov-00	17.4	6.31	0.33	1	158	2.6	88	43
T-7B	Dec-00	18.4	7.82	0.37	5	-215	10	130	11
T-7B	Feb-01	18.9	7.64	0.91	--	-163	0.96	160	18
T-7B	Apr-01	19.4	6.92	1.19	30	-125	2.7	360	<2.0
T-7B	Jun-01	19.2	7.33	1.27	0	147	3.3	380	5.3
T-7B	Aug-01	19.1	6.88	1.17	0	9	2.2	360	5.6
T-7B	Oct-08	19.7	7.67	0.111	6.7	--	--	--	--
T-7B	Oct-09	20.06	6.92	1.12	46.8	101	--	--	--
T-7B	Oct-10	21.21	7.10	1.11	0.0	77.8	--	--	--
T-7B	Oct-11	21.03	7.15	1.08	9.6	66.7	--	--	--
T-7B	Oct-12	20.79	7.02	1.09	1.1	131.1	--	--	<1.0
T-7B	Oct-13	20.4	6.83	1.024	3	111.4	--	--	--
T-7B	Oct-14	20.7	7.19	1.017	1	83	--	--	--
T-7B	Jun-15	22.2	7.26	0.995	--	14	--	--	--
T-7B	Oct-15	27.7	7.55	0.958	--	162	--	--	--
T-7B	May-16	19.2	7.32	1.048	2	73	--	--	--
T-7B	Oct-16	21.5	7.81	0.851	--	6.9	--	--	--
T-7B	Oct-17	20.0	7.17	1024	1	232.4	--	--	--
T-7B	Oct-18	23.5	7.79	0.94	1	94.9	--	--	--
T-7B	Oct-19	23.8	7.25	1.007	4	115.9	--	--	--
T-7B	Oct-20	23.5	7.41	0.981	7	53.5	--	--	--
T-2B	Nov-99	21.3	7.01	1.43	0	-6	1.65	470	4.10
T-2B	Oct-00	21	6.92	1.41	11	-18	110	480	<2.0
T-2B	Nov-00	20.6	6.57	1.57	20	-341	240	680	220
T-2B	Dec-00	19.7	6.52	2.11	75	-239	41	1,000	390
T-2B	Feb-01	20.4	6.85	1.50	--	-192	6	120	180
T-2B	Apr-01	19.6	6.66	1.55	46	-159	7.1	670	95
T-2B	Jun-01	19.6	6.95	1.47	0	-150	5.6	690	11
T-2B	Aug-01	21.0	6.07	3.41	0	-101	79	2,100	1,300

Appendix C2 - Historical Groundwater General Environmental Parameter Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well	Date	Temperature (°C)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	Oxidation-Reduction Potential (mV)	Dissolved Hydrogen (nM)	Alkalinity (mg/L as CaCO3)	Total Organic Carbon (mg/L)
T-2B	Oct-01	20.2	6.12	3.86	16	-110	36	2,400	1,600
T-2B	Jan-02	19.3	6.45	3.52	56	-104	8.3	1,700	840
T-2B	Apr-02	18.4	6.38	3.69	40	-120	1.9	2,000	960
T-2B	Jul-02	19.6	6.55	2.79	--	-168	28	1,600	300
T-2B	Oct-02	19.8	6.79	2.98	286	-140	5.3	2,100	140
T-2B	Jan-03	18.5	6.89	2.83	3	-144	--	1,700	13
T-2B	Apr-03	19.1	6.73	2.61	10	-148	--	1,400	5.6
T-2B	Jul-03	19.4	7.05	2.60	32	-144	--	1,600	8.2
T-2B	Oct-03	20.0	6.76	2.60	20	-149	--	1,300	5.7
T-2B	Jan-04	19.3	6.47	2.54	0	-195	--	1,200	6.0
T-2B	Apr-04	19.3	6.62	2.31	3	-191	--	1,200	11
T-2B	Oct-04	20.7	6.54	2.34	0	-175	--	1,200	6.0
T-2B	Jan-05	19.4	6.76	2.02	3	-163	--	--	<1.0
T-2B	Apr-05	19.7	6.77	1.96	20	-146	--	--	28
T-2B	Jul-05	20.1	6.54	1.83	--	-152	--	--	20
T-2B	Oct-05	20.1	7.19	1.68	11	-90	--	--	<5.0
T-2B	Jan-06	19.6	6.84	0.19	92	-170	--	--	--
T-2B	Apr-06	20.0	6.99	1.56	58	-127	--	--	--
T-2B	Oct-06	19.0	7.78	1.58	331	-160	--	--	--
T-2B	Apr-07	19.7	6.84	0.13	5.9	-117	--	--	--
T-2B	Oct-07	20.0	7.11	0.146	144	-146	--	--	--
T-2B	Oct-08	20.4	6.86	--	--	-437	--	--	--
T-2B	Oct-09	20.56	6.65	2.03	3.1	-138	--	--	--
T-2B	10/12/2010[c]	20.00	6.82	1.53	7.7	-108	--	490	<1.0
T-2B	10/20/2010[b]	19.71	6.77	1.54	170.7	-95	--	--	57.0
T-2B	11/15/2010[a]	19.6	6.94	1.62	81.4	-118	--	540	27.0
T-2B	May-11	--	--	--	--	--	--	500	1.4 J
T-2B	Oct-11	19.92	6.88	1.57	0.1	-131.5	--	510	<1.0
T-2B	Apr-12	19.09	6.98	1.51	--	-105	--	--	1.2
T-2B	Oct-12	20.08	6.95	1.49	0	-119.7	--	--	0.11 J
T-2B	May-13	20.68	7.18	1.501	123	-111	--	--	1.5
T-2B	Oct-13	19.3	6.49	1.449	2	-125.8	--	--	<1
T-2B	Apr-14	19.4	6.77	1.723	5	-122	--	--	1.9
T-2B	Sep-14	19.91	7.01	1.77	0	-125	--	--	--
T-5B	Oct-08	20.0	7.69	0.118	5.9	--	--	--	--
T-5B	Oct-09	20.73	7.11	1.26	0.5	50	--	--	--
T-5B	Oct-10	21.33	7.11	1.237	0.0	107.1	--	--	--
T-5B	Oct-11	22.57	7.18	1.21	3.9	83.5	--	--	--
T-5B	Oct-12	21.05	7.11	1.23	0.0	76.9	--	--	--
T-5B	Oct-13	21.5	6.88	1.15	3	95.8	--	--	--
T-5B	Oct-14	20.7	7.25	1.107	1	149.8	--	--	--
T-5B	Oct-15	24.2	7.15	1.145	--	278	--	--	--
T-5B	Oct-16	21.5	7.56	0.927	--	9.7	--	--	--
T-5B	Oct-17	20.8	7.23	1.103	1	217.6	--	--	--
T-5B	Oct-18	23.6	7.41	1.143	1	5.9	--	--	--
T-5B	Oct-19	20.9	7.25	1.083	2	89.7	--	--	--
T-5B	Oct-20	22	7.12	1.091	2	47	--	--	--
T-8B	Oct-99	22.1	5.77	1.5	0	130	1.09	500	3.1
T-8B	Oct-00	21.5	6.82	1.46	10	180	290	500	4.1
T-8B	Nov-00	20.1	6.60	1.42	1	-264	95	570	6.6
T-8B	Dec-00	19.8	7.02	1.59	7	-306	3.5	720	11
T-8B	Feb-01	19.4	7.02	1.336	--	-186	11	74	<2.0
T-8B	Apr-01	20.0	6.64	1.58	40	-133	140	610	3.6
T-8B	Jun-01	22.8	6.81	1.59	0	-42	3.5	480	<5.0
T-8B	Aug-01	20.4	6.64	1.43	0	-101	16	550	6.3
T-8B	Oct-01	21.5	6.09	1.39	22	77	11	510	<5.0
T-8B	Jan-02	18.8	6.79	1.48	18	-75	33	590	<5.0
T-8B	Mar-02	19.6	6.97	1.46	24	20	23	500	<5.0
T-8B	Jul-02	20.0	6.39	2	--	322	2000	500	<5.0
T-8B	Oct-02	20.4	6.91	1.41	143	-72	6.1	550	<5.0
T-8B	Jan-03	19.3	6.72	1.4	0	-35	--	--	--
T-8B	Apr-03	19.6	6.90	1.16	9	-83	--	--	--
T-8B	Jul-03	20.2	7.48	1.51	26	-40	--	--	--
T-8B	Oct-03	20.5	6.94	1.5	14	-30	--	--	--
T-8B	Apr-04	21.6	6.83	1.4	15	-23	--	--	--
T-8B	Oct-04	23.2	6.15	1.5	36	-161	--	--	--
T-8B	Apr-05	20.1	6.95	1.41	351	-83	--	--	--
T-8B	Jul-05	21.7	6.64	1.43	--	-59	--	500	8.3
T-8B	Oct-05	21.4	6.84	1.51	0	-96	--	--	<5.0
T-8B	Jan-06	19.6	6.95	1.35	93	-114	--	--	--
T-8B	Apr-06	20.1	6.65	1.56	32	-230	--	--	<5.0
T-8B	Jul-06	22.4	6.65	0.15	43	-113	--	--	<5.0
T-8B	Oct-06	20.7	6.75	1.38	217	-158	--	--	<5.0
T-8B	Jan-07	20.0	6.36	1.65	--	-76	--	--	<5.0
T-8B	Apr-07	24.5	6.62	1.35	9	-56	--	--	<5.0
T-8B	Oct-07	21.9	6.68	2.87	186	-112	--	--	<5.0
T-8B	Oct-08	22.0	6.78	199	--	-180	--	--	--
T-8B	Oct-09	24.31	6.42	1.55	41	-64	--	--	<5.0
T-8B	Oct-10	20.60	6.90	6.2	0.4	-57.0	--	--	--
T-8B	Oct-11	20.13	6.90	1.515	9.0	59.4	--	--	--
T-8B	Oct-12	21.73	6.77	1.432	15.6	-61.4	--	--	<1.0
T-8B	Oct-13	20.6	6.63	1.338	10	-75.6	--	--	--
T-8B	Oct-14	20.8	7.02	1.339	1	-64.4	--	--	--

Appendix C2 - Historical Groundwater General Environmental Parameter Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well	Date	Temperature (°C)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	Oxidation-Reduction Potential (mV)	Dissolved Hydrogen (nM)	Alkalinity (mg/L as CaCO3)	Total Organic Carbon (mg/L)
T-8B	Jun-15	22.3	6.94	1.378	--	-94	--	--	--
T-8B	Oct-15	24.8	7.27	0.880	--	-138	--	--	--
T-8B	May-16	20.2	7.11	1.417	2	-53	--	--	--
T-8B	Oct-16	21.2	7.38	1.259	--	-92.1	--	--	--
T-8B	Oct-17	20.9	7.04	1.347	9	137.6	--	--	--
T-8B	Oct-18	22.4	7.21	1.389	6	-81.6	--	--	--
T-8B	Oct-19	22.5	7.03	1.303	17	-83.3	--	--	--
T-8B	Oct-20	27.5	7.08	1.328	8	-9.3	--	--	--
T-9B	Oct-08	20.4	7.57	0.127	0	--	--	--	--
T-9B	Oct-09	20.39	6.92	1.43	25.8	-55	--	--	--
T-9B	Oct-10	21.53	7.04	1.591	0.0	-168.6	--	--	--
T-9B	Oct-11	20.60	7.06	1.547	0.0	-131.8	--	--	--
T-9B	Oct-12	20.95	6.94	1.585	1.1	42.8	--	--	<1.0
T-9B	Oct-13	25.1	6.76	1.471	1	99.4	--	--	--
T-9B	Oct-14	19.9	7.09	1.403	1	234	--	--	--
T-9B	Jun-15	21.8	6.98	1.412	--	17	--	--	--
T-9B	Oct-15	24.6	7.20	0.871	--	143	--	--	--
T-9B	May-16	27.1	7.16	1.454	1	78	--	--	--
T-9B	Oct-16	18.6	8.37	0.885	--	-130.4	--	--	--
T-9B	Jan-17	20.4	7.17	1.337	1	237.9	--	--	--
T-9B	Jan-17	19.84	7.19	1.279	1	223.9	--	--	--
T-9B	Oct-17	20.7	7.12	1.408	1	172.6	--	--	--
T-9B	Oct-18	22.8	7.27	1.402	4	9	--	--	--
T-10B	Oct-05	22.0	7.04	1.3	462	15	--	--	5.4
T-10B	Jan-06	20.5	6.96	0.98	35	-43	--	--	<5.0
T-10B	Apr-06	20.8	6.61	1.59	43	-195	--	--	<5.0
T-10B	Jul-06	22.9	6.51	0.15	86	30	--	--	<5.0
T-10B	Oct-06	23.9	6.75	1.32	--	4	--	--	<5.0
T-10B	Jan-07	20.2	6.39	1.52	--	8	--	--	<5.0
T-10B	May-07	21.2	6.88	0.108	404	-58	--	--	--
T-10B	Jul-07	22.0	7.51	0.11	216	-23	--	--	--
T-10B	Oct-07	21.7	7.17	0.15	398	-55	--	--	<5.0
T-10B	Oct-08	22.3	7.19	0.273	43.2	-51	--	--	--
T-10B	Oct-09	21.62	6.27	1.65	2.3	-49	--	--	<5.0
T-10B	Oct-10	20.68	6.85	5.932	0.0	-13.0	--	--	--
T-10B	Oct-11	20.60	6.76	1.49	0.0	234.9	--	--	--
T-10B	Oct-12	21.52	6.48	1.382	0.0	130.0	--	--	<1.0
T-10B	Oct-13	18.6	6.72	1.121	2	184.8	--	--	--
T-10B	Oct-14	22.8	6.94	1.322	1	1.4		--	--
T-10B	Oct-15	24.9	7.55	0.341	--	-159			
T-10B	Oct-16	20.5	6.71	397	--	-38.3	--	--	--
T-10B	Oct-17	23.6	6.89	1.42	2	146.2	--	--	--
T-10B	Oct-18	22.1	7.43	1.068	6	-79.8	--	--	--
T-10B	Oct-19	22.4	6.87	1.374	8	25.2	--	--	--
T-10B	Oct-20	22.5	6.82	1.364	5	-30.7	--	--	--
T-4B	Oct-99	20.2	6.34	1.27	0	12	1.29	420	2.2
T-4B	Apr-03	19.5	7.30	1.22	0	277	--	--	--
T-4B	Jul-03	19.7	7.86	1.34	3	-38	--	--	--
T-4B	Jan-04	19.4	6.86	1.39	0	-61	--	430	--
T-4B	Apr-04	20.1	6.95	1.29	0	-40	--	440	--
T-4B	Oct-04	21.1	7.25	1.3	--	--	--	--	--
T-4B	Jan-05	20.0	7.24	1.41	--	-92	--	--	--
T-4B	Apr-05	19.7	7.30	1.34	343	-63	--	--	--
T-4B	Jul-05	20.7	6.98	1.32	--	11	--	460	7.6
T-4B	Oct-05	21.1	7.23	1.42	421	-37	--	--	<5.0
T-4B	Jan-06	20.5	7.34	1.28	53	-121	--	--	--
T-4B	Apr-06	20.1	6.91	1.29	22	-161	--	--	--
T-4B	Oct-06	20.1	7.79	1.34	213	-111	--	--	--
T-4B	May-07	20.3	7.54	1.05	--	95	--	--	--
T-4B	Jul-07	20.8	7.73	0.1	46.5	78	--	--	--
T-4B	Oct-07	20.2	7.59	0.14	311	-82	--	--	<5.0
T-4B	Oct-08	21.9	7.3	187	--	-144	--	--	--
T-4B	Oct-09	19.92	6.61	1.57	9.9	-137	--	--	--
T-4B	Oct-10	21.74	7.23	5.526	6.8	-17.6	--	--	--
T-4B	Oct-11	22.4	7.24	1.383	0	49.2	--	--	--
T-4B	Oct-12	21.42	7.07	1.418	5.5	19	--	--	--
T-4B	Oct-13	20.9	7.09	1.071	1	110	--	--	--
T-4B	Oct-14	21.6	7.29	1.306	2	-53.3	--	--	--
T-4B	Jun-15	20.9	7.80	0.829	--	41	--	--	--
T-4B	Oct-15	32.2	8.11	0.837	--	279			
T-4B	May-16	21.7	7.54	1.286	9	48	--	--	--
T-4B	Oct-16	23.7	8.15	0.831	--	-8.3	--	--	--
T-4B	Oct-17	21.4	7.27	1.331	2	141.7	--	--	--
T-4B	Oct-18	23.5	7.41	1.334	1.14	-70	--	--	--
T-4B	Oct-19	20.8	7.15	1.336	3	-62.3	--	--	--
T-4B	Oct-20	21.9	7.13	1.349	3	19.2	--	--	--
T-17B	Jan-06	19.0	7.14	1.18	0	-82	--	--	--
T-17B	Apr-06	21.0	6.81	1.25	159	-237	--	--	--
T-17B	Jul-06	23.8	6.93	0.125	95	-106	--	--	--
T-17B	Oct-06	20.3	7.86	0.819	--	-113	--	--	--
T-17B	Jan-07	19.6	6.30	1.28	--	25	--	--	--
T-17B	May-07	20.6	7.02	0.1	205	64	--	--	--
T-17B	Jul-07	21.5	7.57	0.09	255	73	--	--	--
T-17B	Oct-07	20.8	7.39	0.12	581	-65	--	--	<5.0

Appendix C2 - Historical Groundwater General Environmental Parameter Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well	Date	Temperature (°C)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	Oxidation-Reduction Potential (mV)	Dissolved Hydrogen (nM)	Alkalinity (mg/L as CaCO3)	Total Organic Carbon (mg/L)
T-17B	Oct-08	22.1	7.5	0.139	35.4	-186	--	--	--
T-17B	Oct-09	21.49	6.70	1.47	13.5	-36	--	--	--
T-17B	Oct-10	20.08	7.22	1.321	0.0	-28.8	--	--	--
T-17B	Oct-11	21.03	7.15	1.079	9.6	66.7	--	--	--
T-17B	Apr-12	19.08	7.12	1.152	--	34.3	--	--	0.55 J
T-17B	Oct-12	21.15	6.84	1.23	1.4	124.6	--	--	<1.0
T-17B	May-13	22	7.2	1.313		-17	--	--	1
T-17B	Oct-13	20.2	7.22	1.246	6	-14.6	--	--	<1
T-17B	Apr-14	18.4	7.21	1.248	8	-55	--	--	<1
T-17B	Oct-14	20	7.29	1.206	4	7.4	--	--	1.3
T-17B	Jun-15	22.8	7.13	1.217	--	-11.2	--	--	0.43 J
T-17B	Oct-15	22.2	7.09	1.176	--	-14	--	--	0.38 J
T-17B	May-16	25.0	7.20	1.254	67	12	--	--	0.68 J
T-17B	Oct-16	21.1	7.06	1.158	--	-33.4	--	--	0.57 J
T-17B	Oct-17	19.9	7.17	1.200	9	220.6	--	--	0.26 J
T-17B	Oct-18	21.6	7.29	1.26	5	-43.3	--	--	--
T-17B	Oct-19	21.2	7.16	1.193	7	-79.8	--	--	--
T-17B	Oct-20	22.3	7.11	1.201	7	14.7	--	--	--
T-18B	May-13	23.04	8.04	0.994	--	-175	--	--	--
T-18B	Oct-13	22	7.35	0.898	5	-89.5	--	--	--
T-18B	Oct-14	23.4	7.63	0.846	24	-76.8	--	--	--
T-18B	Oct-15	20.5	8.25	0.825	--	122.4			
T-18B	Oct-16	20.1	7.49	0.64	--	7.9	--	--	--
T-18B	Oct-17	22.2	7.58	0.784	66	93.6	--	--	--
T-18B	Oct-18	23.3	7.64	0.853	3	-98.4	--	--	--
T-18B	Oct-19	21.5	7.77	0.785	5	-97	--	--	--
T-18B	Oct-20	24.3	7.36	1.374	527	-41.4	--	--	--
T-19B	May-13	21.44	6.94	1.095	--	34	--	--	--
T-19B	Oct-13	20.6	6.86	1.008	118	93.6	--	--	--
T-19B	Oct-14	22.7	7.26	1.001	102	90.2	--	--	--
T-19B	Oct-15	20.2	7.22	1.033	--	133.6			
T-19B	Oct-16	17.7	9.2	0.999	--	106.4	--	--	--
T-19B	Oct-17	19.4	7.16	1.008	519	305.5	--	--	--
T-19B	Oct-18	19.4	7.3	1.048	340	205.1	--	--	--
T-19B	Oct-19	18.4	7.06	1.091	9	24.7	--	--	--
T-19B	Oct-20	21.2	6.92	1	12	97.5	--	--	--
T-20B	Oct-17	22.3	7.11	1.480	42	139.6	--	--	--
T-20B	Oct-18	21.6	7.39	1.39	3	67.5	--	--	--
T-20B	Oct-19	22.1	7.2	1.346	7	19.3	--	--	--
T-20B	Oct-20	24.1	7.12	2.486	249	5.4	--	--	--
T-21B	Oct-17	20.5	7.08	1.267	3	185.6	--	--	--
T-21B	Oct-18	22.4	7.31	1.311	4	32.9	--	--	--
T-21B	Oct-19	23.9	7.15	1.263	3	33	--	--	--
T-21B	Oct-20	23.3	7.18	2.394	36	119.7	--	--	--
T-22B	Oct-17	21.4	6.96	1.337	4	137.4	--	--	--
T-22B	Oct-18	20.3	7.02	1.391	1	75.8	--	--	--
T-22B	Oct-19	22.8	6.92	1.361	4	59.7	--	--	--
T-22B	Oct-20	23.75	6.93	2.54	30	117.8	--	--	--
T-23B	Oct-17	25.1	7.06	1.397	177	89.2	--	--	--
T-23B	Oct-18	22.6	7.1	1.379	17	27	--	--	--
T-23B	Oct-19	23.5	6.96	1.370	3	58.3	--	--	--
T-23B	Oct-20	23.8	6.88	1.336	10	60.9	--	--	--
T-24B	Oct-17	20.7	7.33	1.270	183	128.6	--	--	--
T-24B	Oct-18	21.2	7.51	1.319	1	9.8	--	--	--
T-24B	Oct-19	23	7.35	1.250	9	-22.9	--	--	--
T-24B	Oct-20	22.1	7.25	1.255	30	66	--	--	--
Zone B2 Aquifer Wells									
T-2C	Oct-01	21.0	6.87	0.811	10	-24	2.0	320	<5.0
T-2C	Oct-07	21.8	7.06	1.26	9.5	11	2.0	320	--
T-2C	Oct-08	20	7.79	93	0	57	--	--	--
T-2C	Oct-09	20.02	7.08	0.96	372	20	--	--	--
T-2C	Oct-10	21.94	7.90	0.87	0.0	150.7	--	--	--
T-2C	Oct-11	20.32	7.50	0.899	0.9	64.3	--	--	--
T-2C	Oct-12	20.02	7.46	0.929	2.3	57.1	--	--	--
T-2C	Oct-13	19.1	7.97	0.817	2.0	147.2	--	--	--
T-2C	Apr-14	19.5	5.62	0.83	7	121	--	--	--
T-2C	Sep-14	19.77	7.84	0.91	0	110	--	--	--
T-10C	Oct-08	19.9	7.98	86	0	--	--	--	--
T-10C	Oct-09	20.53	7.52	0.914	-4.1	-91	--	--	--
T-10C	Oct-10	21.44	7.63	0.805	0.0	-117.5	--	--	--
T-10C	Oct-11	21.71	7.52	0.825	1.3	-192.2	--	--	--
T-10C	Oct-12	21.22	7.40	0.825	0.0	162.3	--	--	--
T-10C	Oct-13	20.9	7.71	0.783	7	-50.3	--	--	--
T-10C	Oct-14	20.7	7.68	0.756	5	77.7	--	--	--
T-10C	Jun-15	20.8	7.32	0.854	--	-150	--	--	--
T-10C	Oct-15	25.2	7.59	0.847	--	-222			
T-10C	May-16	21	7.46	0.963	17	-41			
T-10C	Oct-16	21.1	7.61	0.783	--	-32.7	--	--	--
T-10C	Oct-17	20.3	7.53	0.798	8	162.4	--	--	--
T-10C	Oct-18	22.8	7.65	0.872	3	-135.8	--	--	--
T-10C	Oct-19	22.6	7.66	0.780	8	-78.9	--	--	--
T-10C	Oct-20	23.4	7.52	0.791	8	-17.9	--	--	--
T-11C	Oct-08	20.5	7.87	0.1	14.8	--	--	--	--

Appendix C2 - Historical Groundwater General Environmental Parameter Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

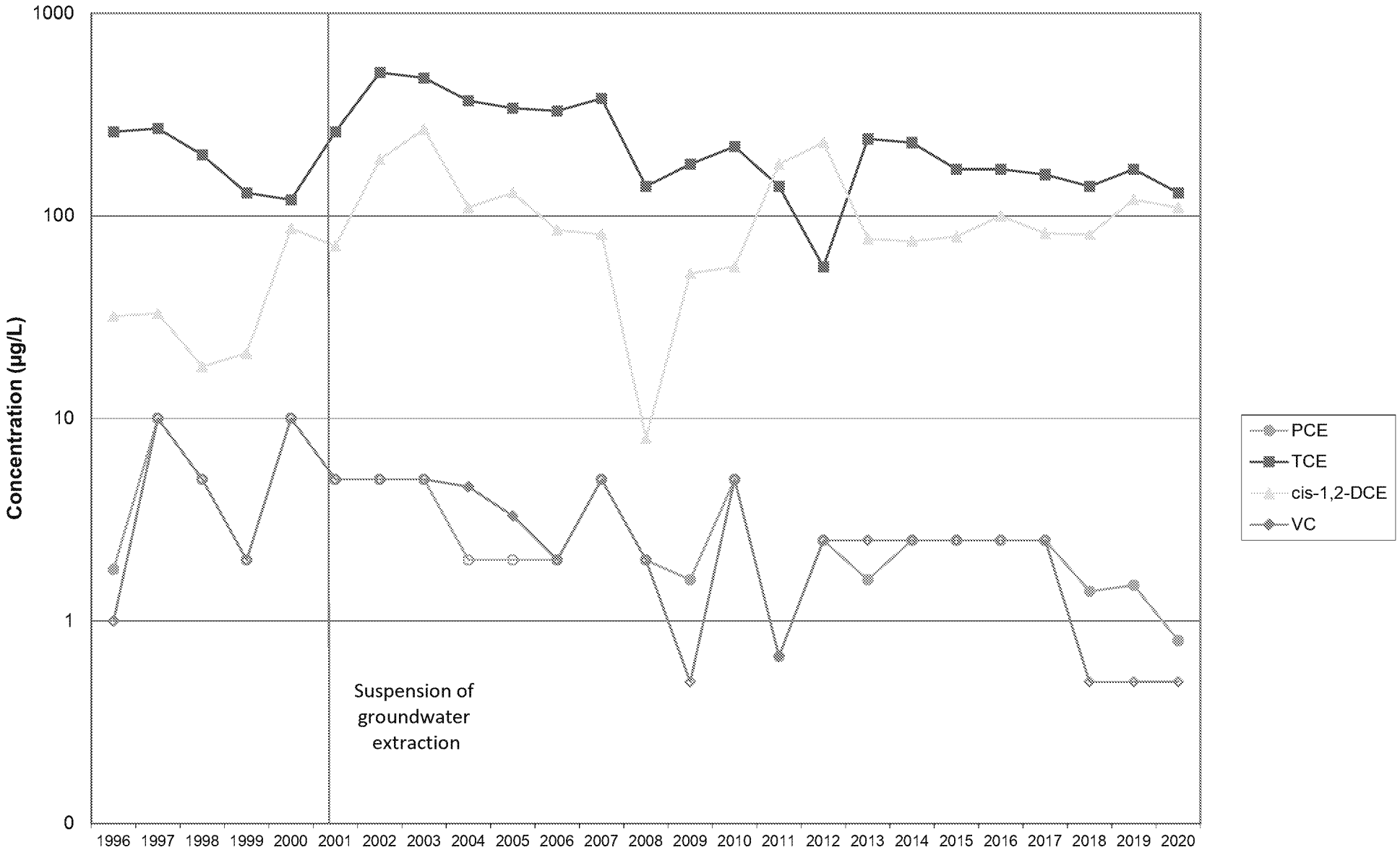
Well	Date	Temperature (°C)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	Oxidation-Reduction Potential (mV)	Dissolved Hydrogen (nM)	Alkalinity (mg/L as CaCO3)	Total Organic Carbon (mg/L)
T-11C	Oct-09	20.31	7.22	0.98	156	71	--	--	--
T-11C	Oct-10	21.65	7.34	0.974	0.0	78.1	--	--	--
T-11C	Oct-11	21.25	7.33	0.956	0.0	-8.0	--	--	--
T-11C	Oct-12	21.66	6.94	0.971	0.0	208.0	--	--	--
T-11C	Oct-13	20.6	6.93	0.931	3	103.7	--	--	--
T-11C	Oct-14	22.2	7.38	0.903	1	37.4	--		
T-11C	Oct-15	22.2	7.83	0.809	--	114			
T-11C	Oct-16	22.6	7.61	0.775	--	-21.4	--	--	--
T-11C	Oct-17	22.7	7.37	0.895	1	90.3	--	--	--
T-11C	Oct-18	23.7	7.82	0.942	3	101.6	--	--	--
T-11C	Oct-19	22.8	7.4	0.923	7	28.9	--	--	--
T-11C	Oct-20	23.7	7.31	0.939	4	2.7	--	--	--
T-12C	Oct-08	19.8	10.4	32	19.3	73	--	--	--
T-12C	Oct-09	19.13	7.70	0.88	1.4	90	--	--	--
T-12C	Oct-10	20.53	9.44	12.84	1.8	65.0	--	--	--
T-12C	Oct-11	20.36	8.95	0.255	20.9	-5.1	--	--	--
T-12C	Oct-12	19.83	9.17	0.253	8.2	4.2	--	--	--
T-12C	Oct-13	20	7.38	0.858	23	113.8	--	--	--
T-12C	Oct-14	20.3	7.5	0.827	29	96.3	--		
T-12C	Oct-15	22.8	8.74	0.586	--	24			
T-12C	Oct-16	22.2	7.95	0.455	--	-104.8	--	--	--
T-12C	Oct-17	22.0	7.49	0.846	18	101.2	--	--	--
T-12C	Oct-18	21.9	7.61	0.7	5	57.9	--	--	--
T-12C	Oct-19	20.6	7.55	0.837	4	85.9	--	--	--
T-12C	Oct-20	23.1	7.39	0.858	8	11.8	--	--	--
T-9C	Oct-08	20.7	8.24	76	0.2	--	--	--	--
T-9C	Oct-09	20.18	7.39	0.829	113	-96	--	--	--
T-9C	Oct-10	24.07	7.55	0.807	0.0	21.3	--	--	--
T-9C	Oct-11	20.35	7.78	0.765	0.0	-127.6	--	--	--
T-9C	Oct-12	21.23	7.50	0.777	0.0	48.0	--	--	--
T-9C	Oct-13	19.4	7.48	0.739	4	122.2	--	--	--
T-9C	Oct-14	23.1	7.85	0.723	2	14.3	--	--	--
T-9C	Oct-15	22.6	7.57	0.746	--	154			
T-9C	Oct-16	20.1	7.84	0.73	--	-25.5	--	--	--
T-9C	Oct-17	20.1	7.82	0.73	5	160.2	--	--	--
T-9C	Oct-18	22.8	7.62	0.762	1	45.8	--	--	--
T-9C	Oct-19	22	7.72	0.787	3	47	--	--	--
T-9C	Oct-20	20.3	7.49	0.762	6	39.4	--	--	--
T-25Bd	Dec-18	20.9	7.08	0.92	--	155.1	--	--	--
T-25Bd	Oct-19	21.8	7.14	1.156	3	7.1	--	--	--
T-25Bd	Oct-20	22.3	7.09	1.074	38	64	--	--	--
T-25Bs	Dec-18	21.6	7.14	1.57	9.59	134.9	--	--	--
T-25Bs	Oct-19	21.4	7.03	1.688	39	-105.1	--	--	--
T-25Bs	Oct-20	24.1	6.84	2.735	74	-25.1	--	--	--

Notes:
[a] One month post EVO injection (just before pure soybean oil injection)
[b] Immediately after EVO injection
[c] Immediately before EVO injection
°C = degree Celsius
SU = standard units
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mV = millivolts
nM = nanomolar
mg/L = milligram per liter
$CaCo_3$ = calcium carbonate
-- = not analyzed/measured
Data prior to 2009 was not collected by AECOM and cannot be verified.
Highlighted data corresponds to the October 2020 event for each well when it applies.

Appendix D – Chlorinated Ethene Concentration Trend Plots for Selected Wells

Chlorinated Ethene Concentration Trend Plot for Well T-7A

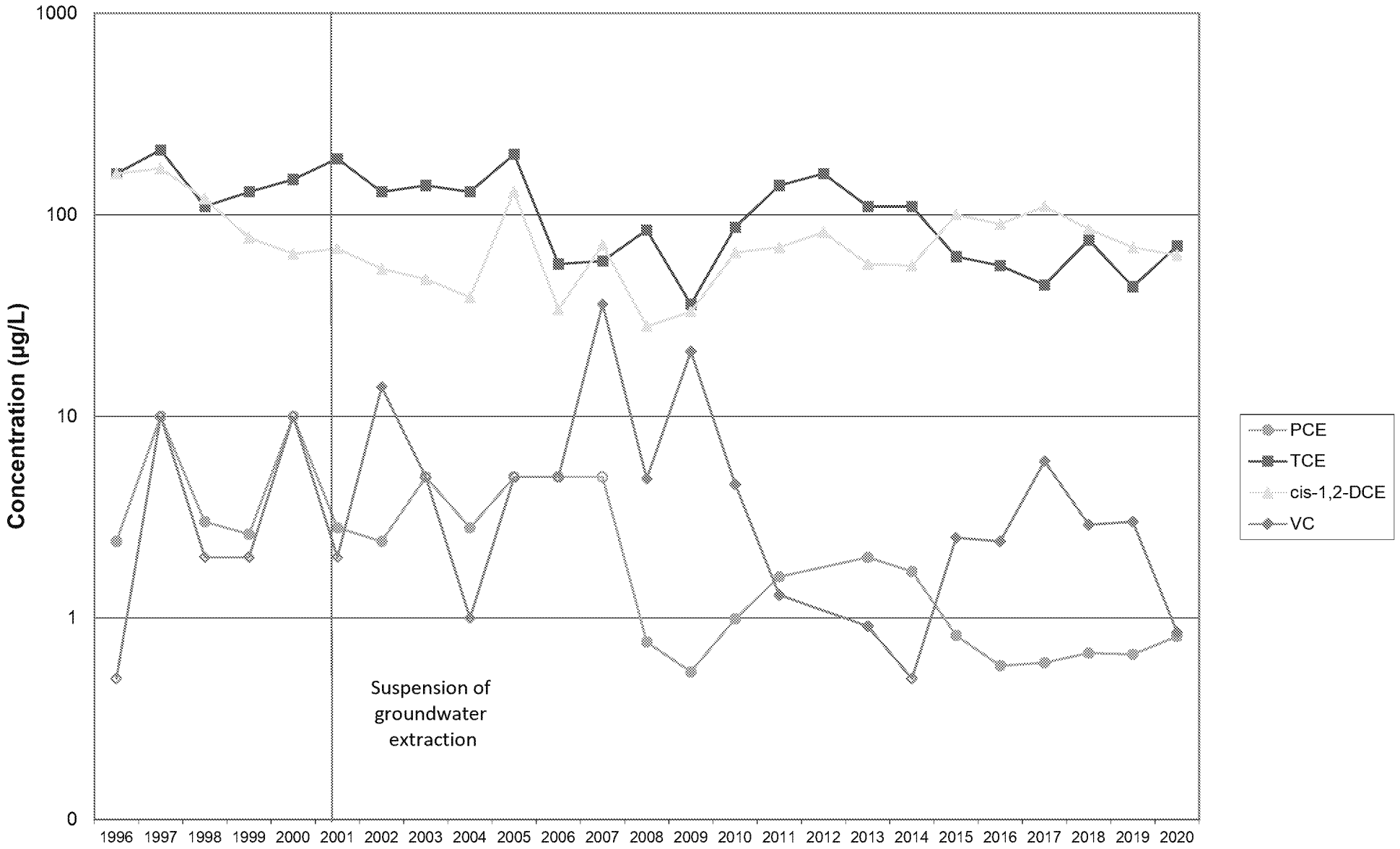
Former TRW Microwave - 825 Stewart Drive, Sunnyvale, California



Note: Suspension of groundwater extration at wells Eductor, T-2A, T-8A and T-9A occured on April 6, 2001.
Enhanced anaerobic bioremediation (EAB) program initiated in October 2000.
Suspension of EAB monitoring in 2017.
Concentrations are shown in micrograms per Liter (µg/L) and concentrations reported as non-detect are open.

Chlorinated Ethene Concentration Trend Plot for Well T-8A

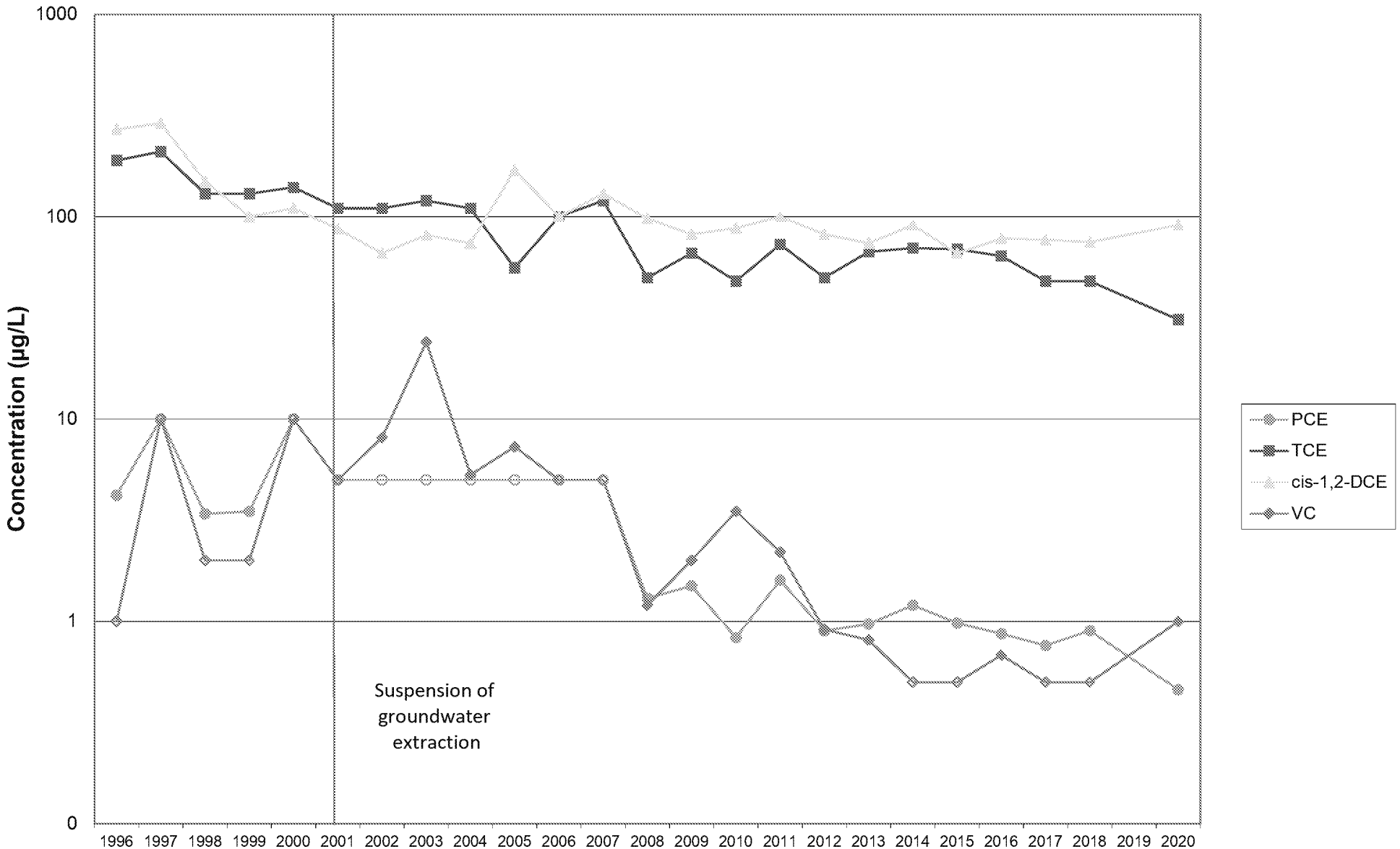
Former TRW Microwave - 825 Stewart Drive, Sunnyvale, California



Note: Suspension of groundwater extration at wells Eductor, T-2A, T-8A and T-9A occured on April 6, 2001.
Enhanced anaerobic bioremediation (EAB) program initiated in October 2000.
Suspension of EAB monitoring in 2017.
Concentrations are shown in micrograms per Liter (µg/L) and concentrations reported as non-detect are open.

Chlorinated Ethene Concentration Trend Plot for Well T-9A

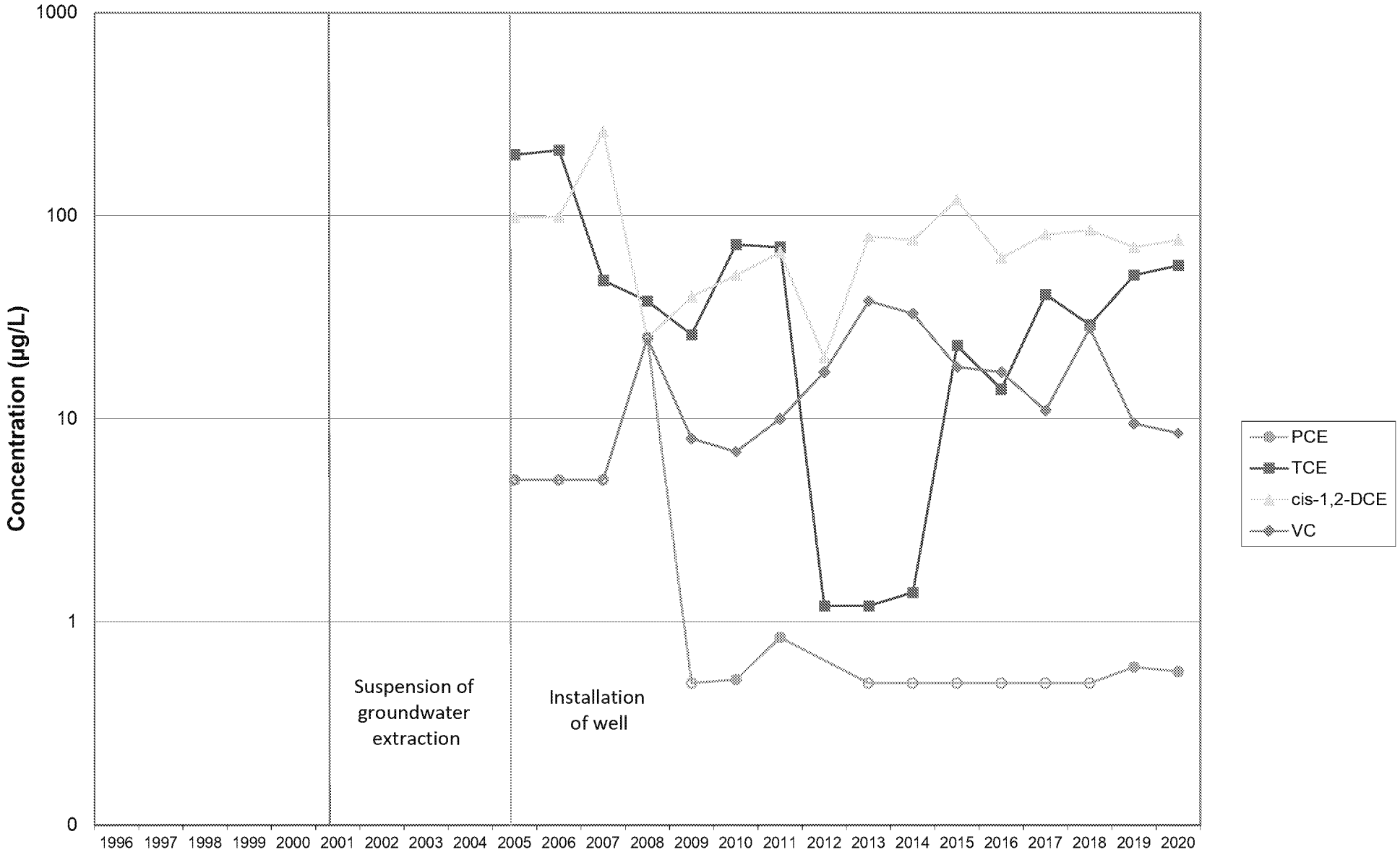
Former TRW Microwave - 825 Stewart Drive, Sunnyvale, California



Note: Suspension of groundwater extration at wells Eductor, T-2A, T-8A and T-9A occured on April 6, 2001.
Enhanced anaerobic bioremediation (EAB) program initiated in October 2000.
Suspension of EAB monitoring in 2017.
Concentrations are shown in micrograms per Liter (µg/L) and concentrations reported as non-detect are open.

Chlorinated Ethene Concentration Trend Plot for Well T-13A

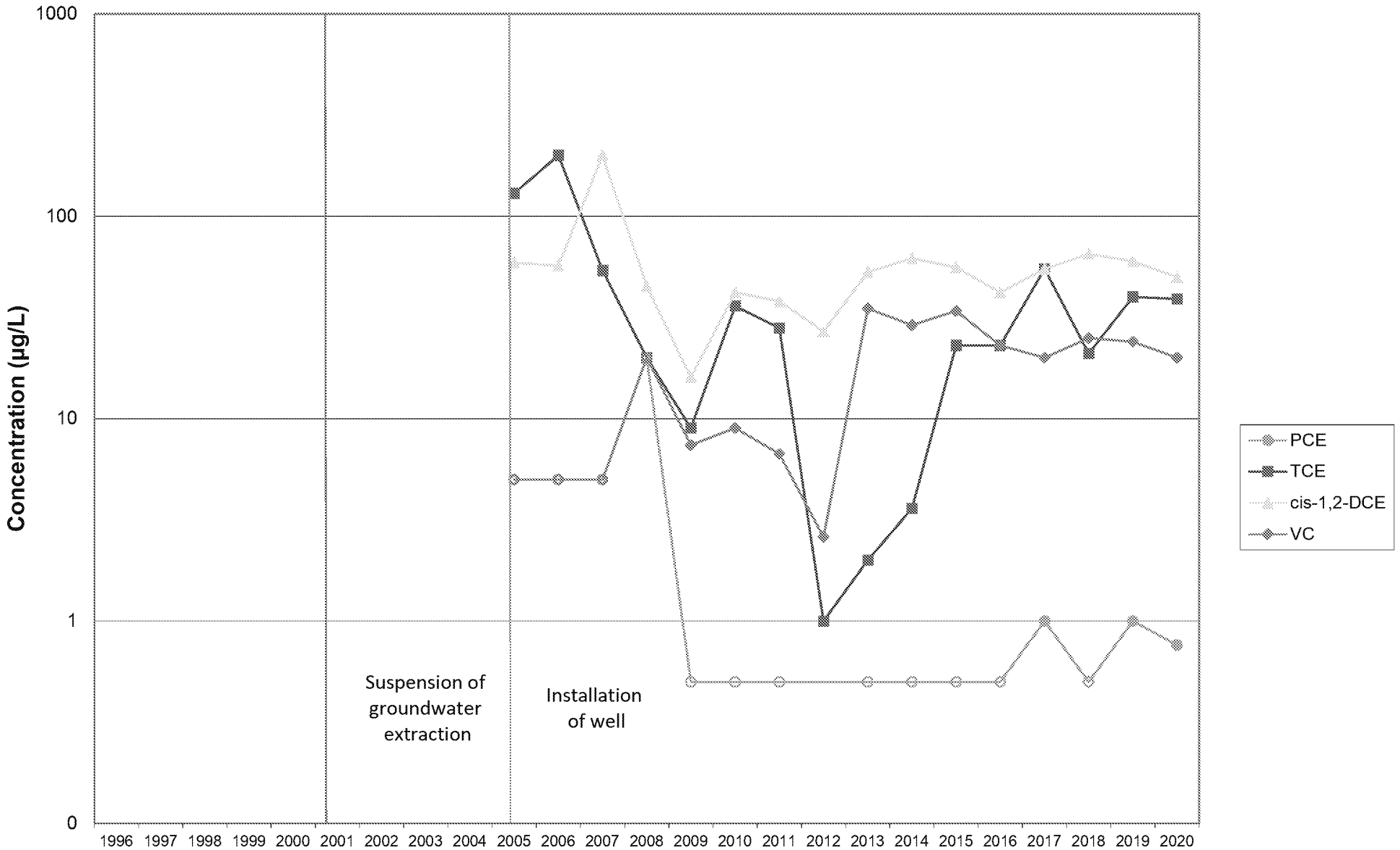
Former TRW Microwave - 825 Stewart Drive, Sunnyvale, California



Note: Suspension of groundwater extration at wells Eductor, T-2A, T-8A and T-9A occured on April 6, 2001.
Enhanced anaerobic bioremediation (EAB) program initiated in October 2000.
Suspension of EAB monitoring in 2017.
Concentrations are shown in micrograms per Liter (µg/L) and concentrations reported as non-detect are open.

Chlorinated Ethene Concentration Trend Plot for Well T-14A

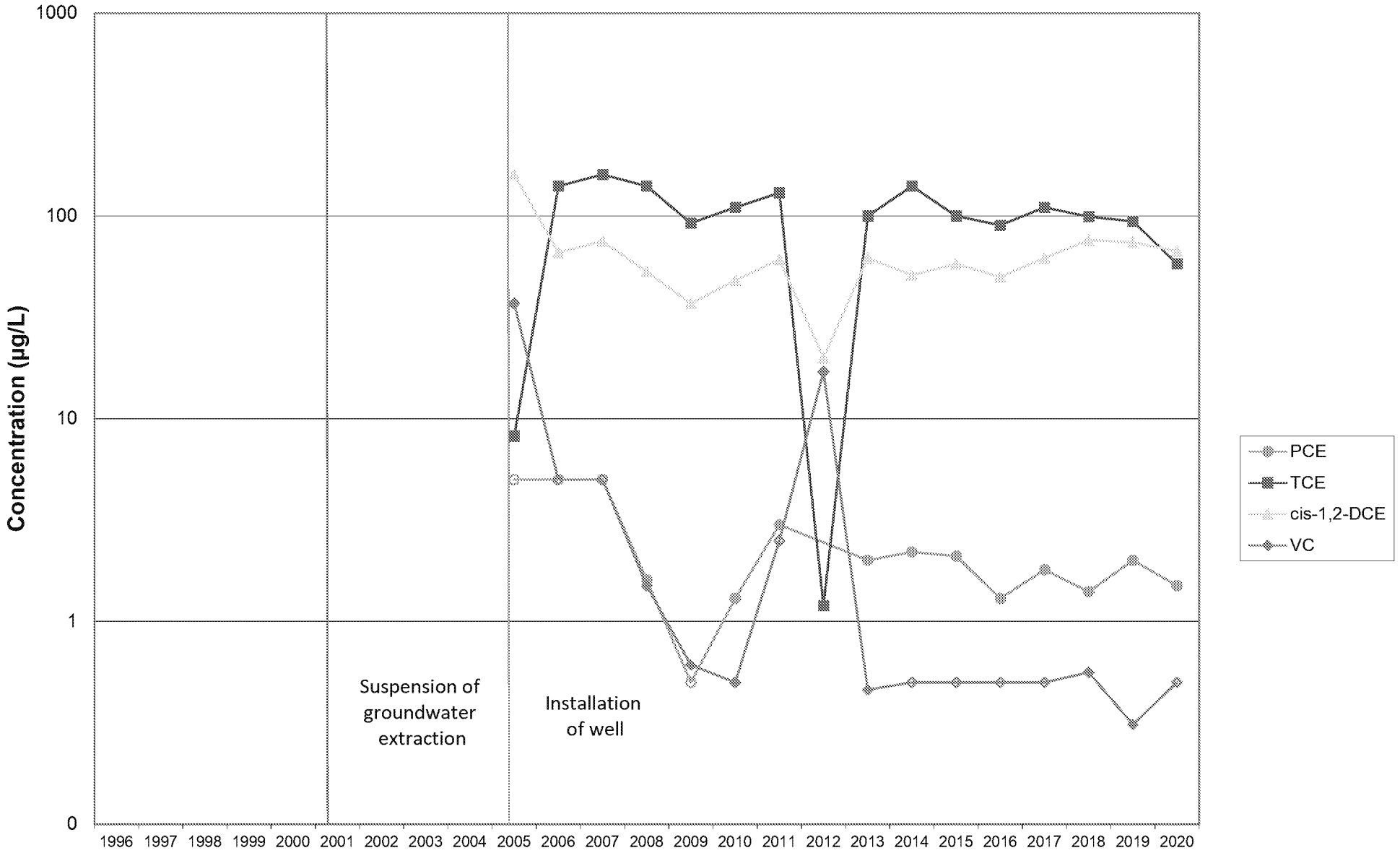
Former TRW Microwave - 825 Stewart Drive, Sunnyvale, California



Note: Suspension of groundwater extration at wells Eductor, T-2A, T-8A and T-9A occured on April 6, 2001.
Enhanced anaerobic bioremediation (EAB) program initiated in October 2000.
Suspension of EAB monitoring in 2017.
Concentrations are shown in micrograms per Liter (µg/L) and concentrations reported as non-detect are open.

Chlorinated Ethene Concentration Trend Plot for Well T-15A

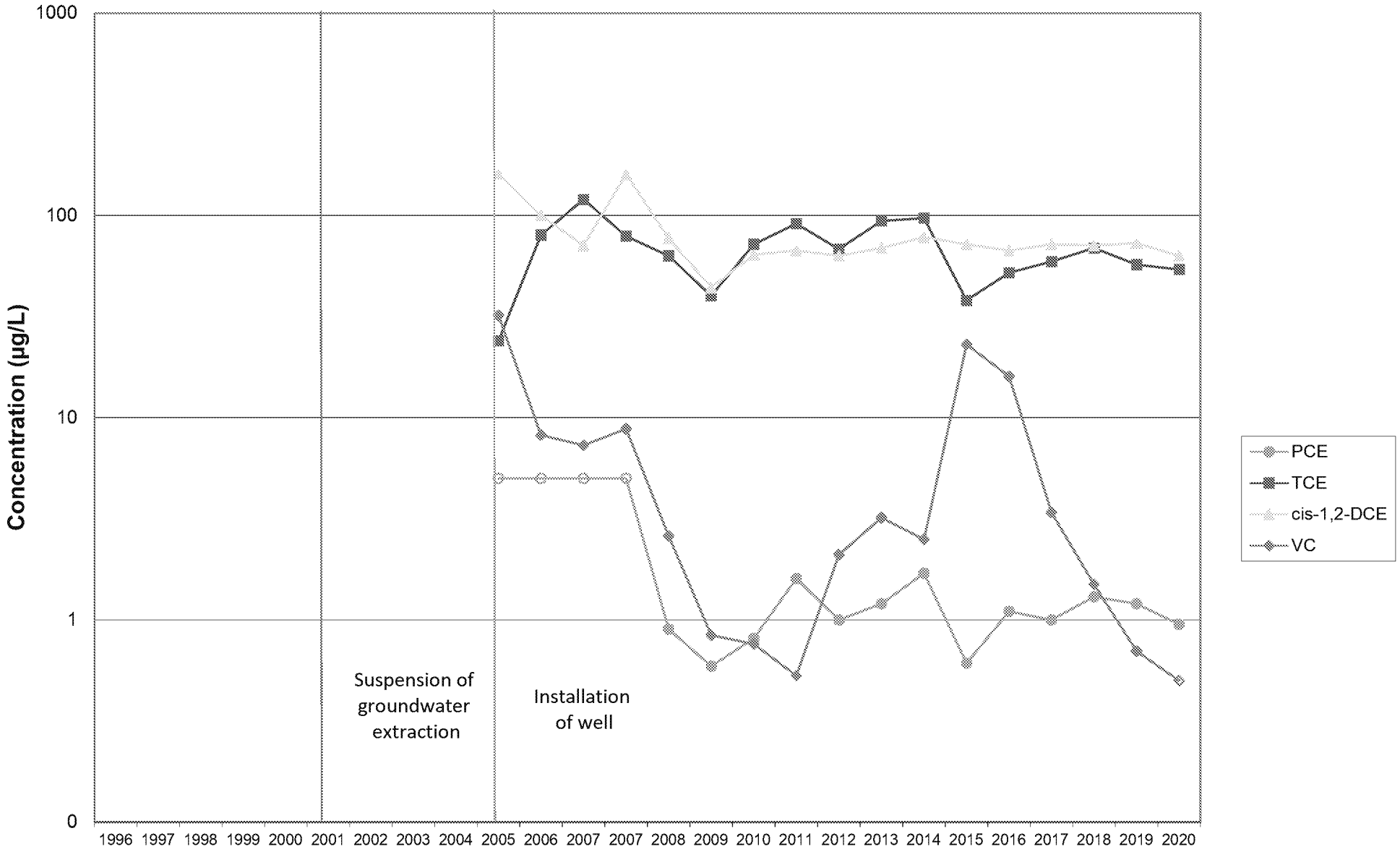
Former TRW Microwave - 825 Stewart Drive, Sunnyvale, California



Note: Suspension of groundwater extration at wells Eductor, T-2A, T-8A and T-9A occured on April 6, 2001.
Enhanced anaerobic bioremediation (EAB) program initiated in October 2000.
Suspension of EAB monitoring in 2017.
Concentrations are shown in micrograms per Liter (µg/L) and concentrations reported as non-detect are open.

Chlorinated Ethene Concentration Trend Plot for Well T-16A

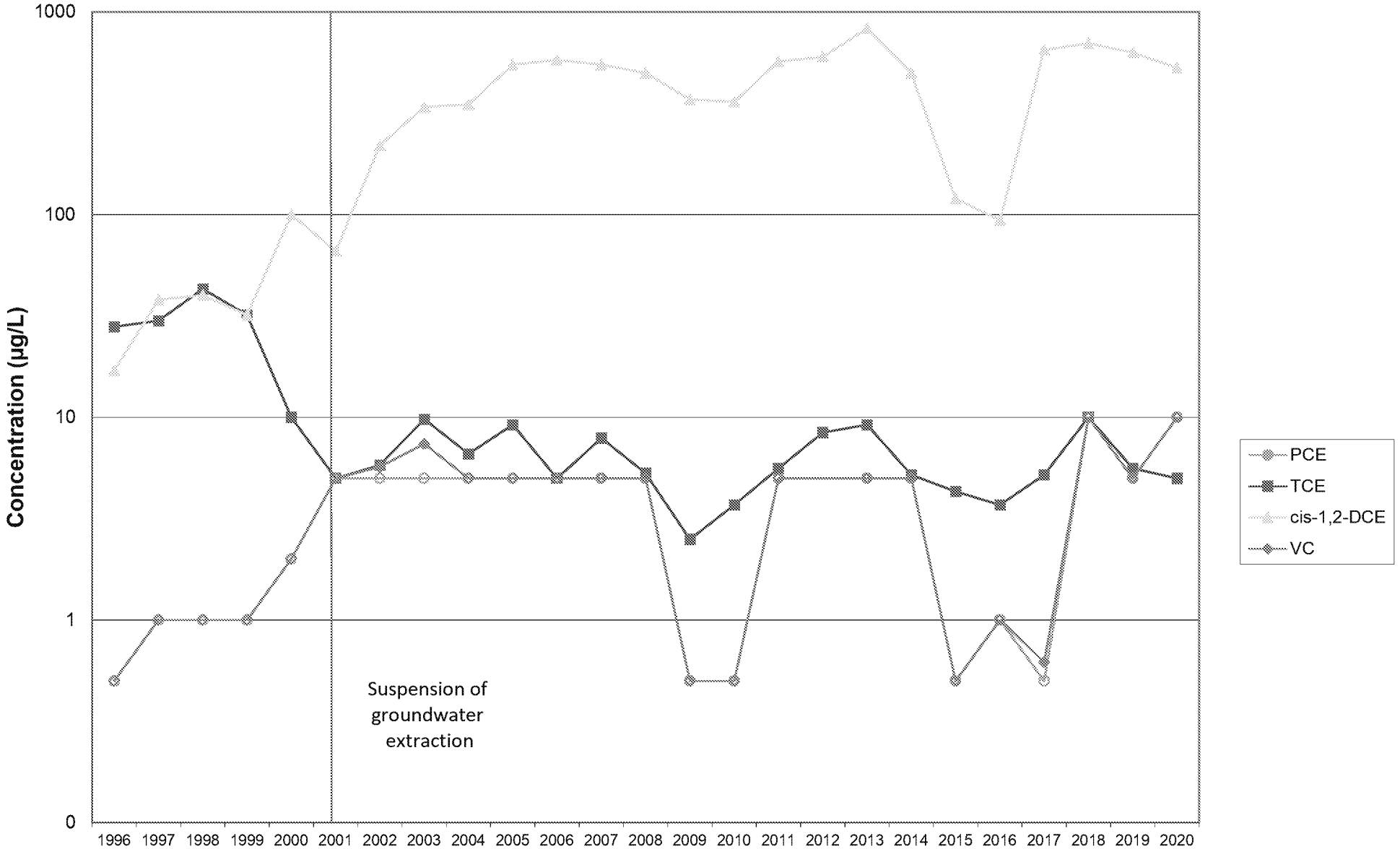
Former TRW Microwave - 825 Stewart Drive, Sunnyvale, California



Note: Suspension of groundwater extration at wells Eductor, T-2A, T-8A and T-9A occured on April 6, 2001.
Enhanced anaerobic bioremediation (EAB) program initiated in October 2000.
Suspension of EAB monitoring in 2017.
Concentrations are shown in micrograms per Liter (µg/L) and concentrations reported as non-detect are open.

Chlorinated Ethene Concentration Trend Plot for Well T-4B

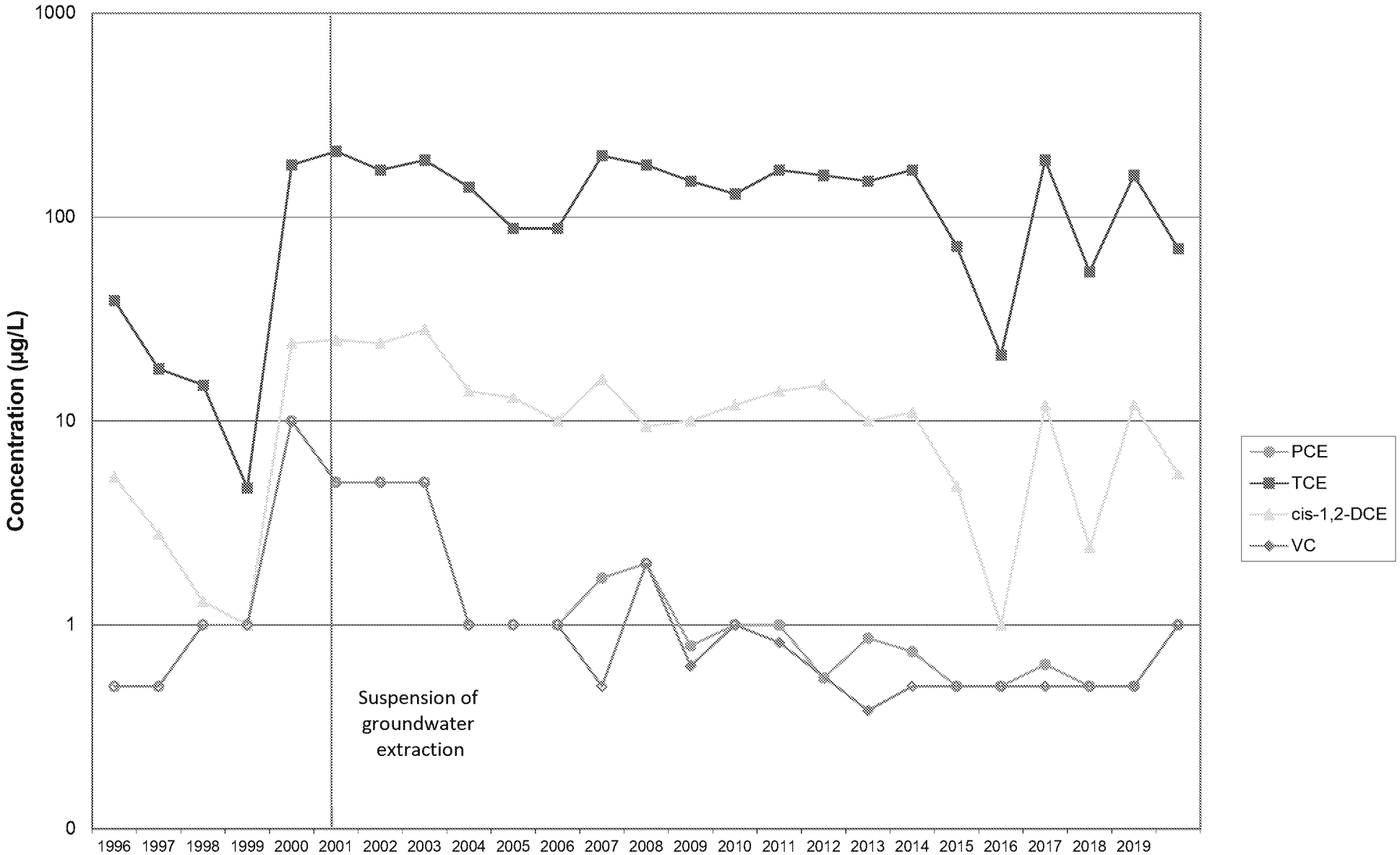
Former TRW Microwave - 825 Stewart Drive, Sunnyvale, California



Note: Suspension of groundwater extration at wells Eductor, T-2A, T-8A and T-9A occured on April 6, 2001.
Enhanced anaerobic bioremediation (EAB) program initiated in October 2000.
Suspension of EAB monitoring in 2017.
Concentrations are shown in micrograms per Liter (µg/L) and concentrations reported as non-detect are open.

Chlorinated Ethene Concentration Trend Plot for Well T-7B

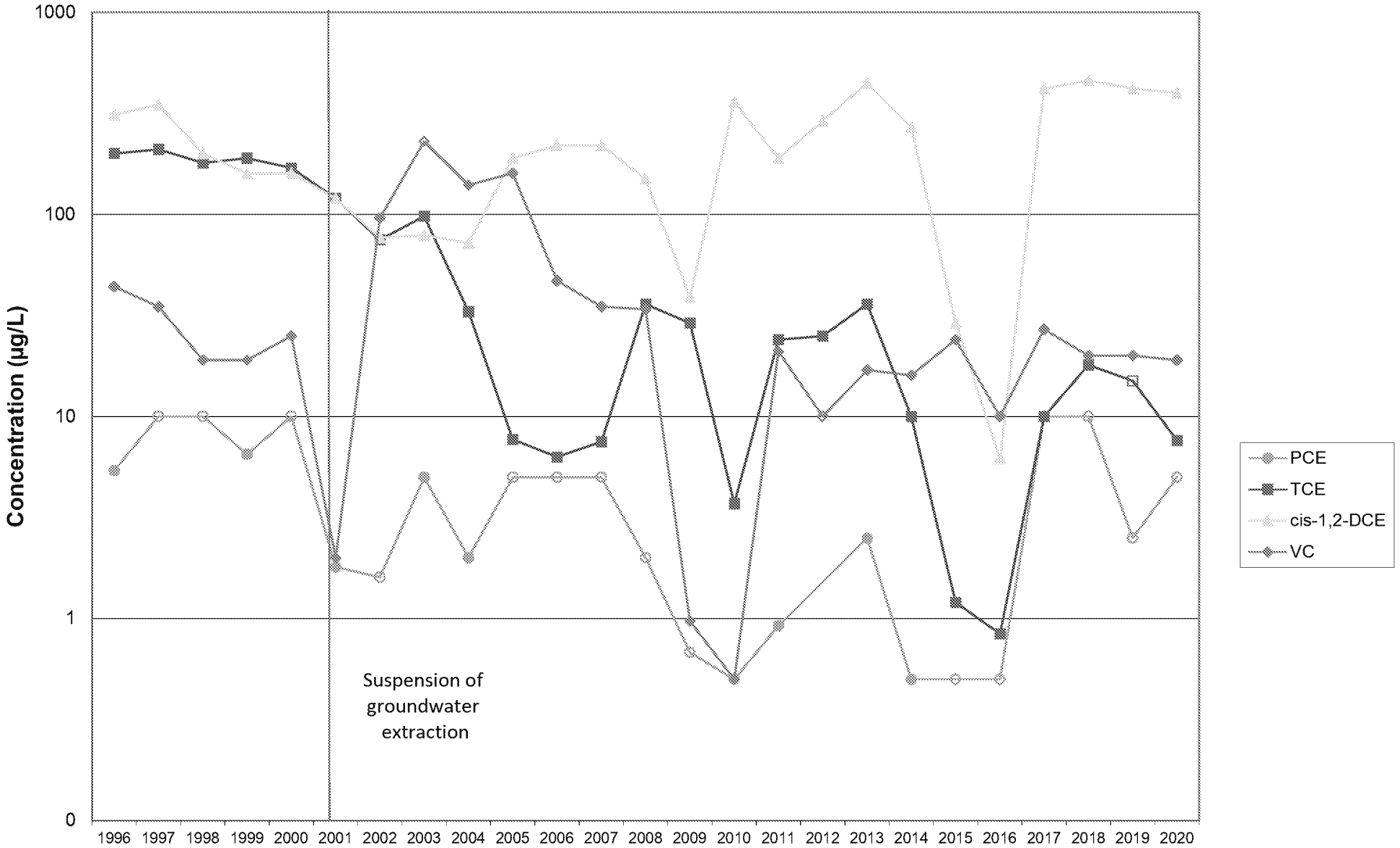
Former TRW Microwave - 825 Stewart Drive, Sunnyvale, California



Note: Suspension of groundwater extration at wells Eductor, T-2A, T-8A and T-9A occured on April 6, 2001.
Enhanced anaerobic bioremediation (EAB) program initiated in October 2000.
Suspension of EAB monitoring in 2017.
Concentrations are shown in micrograms per Liter (µg/L) and concentrations reported as non-detect are open.

Chlorinated Ethene Concentration Trend Plot for Well T-8B

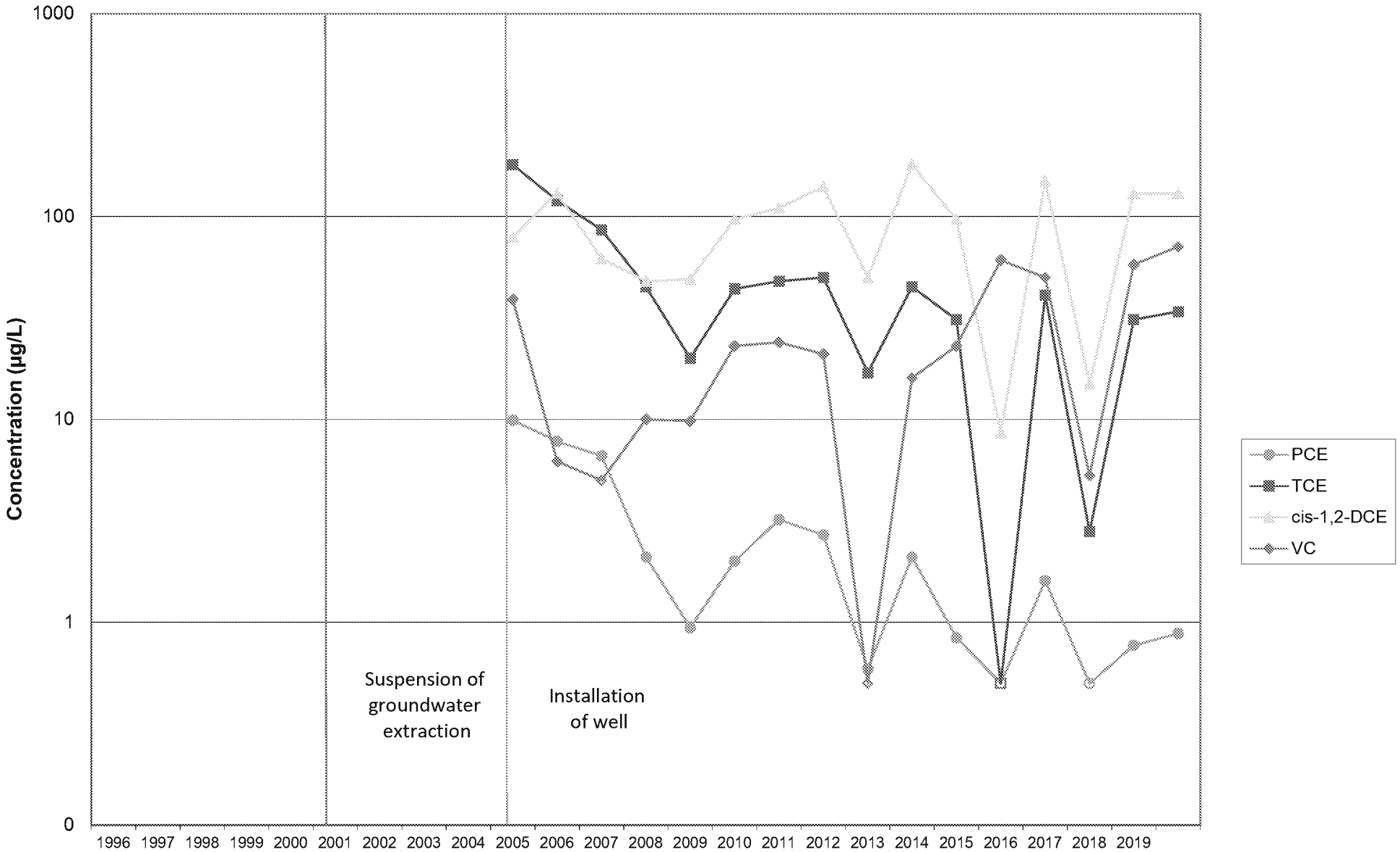
Former TRW Microwave - 825 Stewart Drive, Sunnyvale, California



Note: Suspension of groundwater extration at wells Eductor, T-2A, T-8A and T-9A occured on April 6, 2001.
Enhanced anaerobic bioremediation (EAB) program initiated in October 2000.
Suspension of EAB monitoring in 2017.
Concentrations are shown in micrograms per Liter (µg/L) and concentrations reported as non-detect are open.

Chlorinated Ethene Concentration Trend Plot for Well T-10B

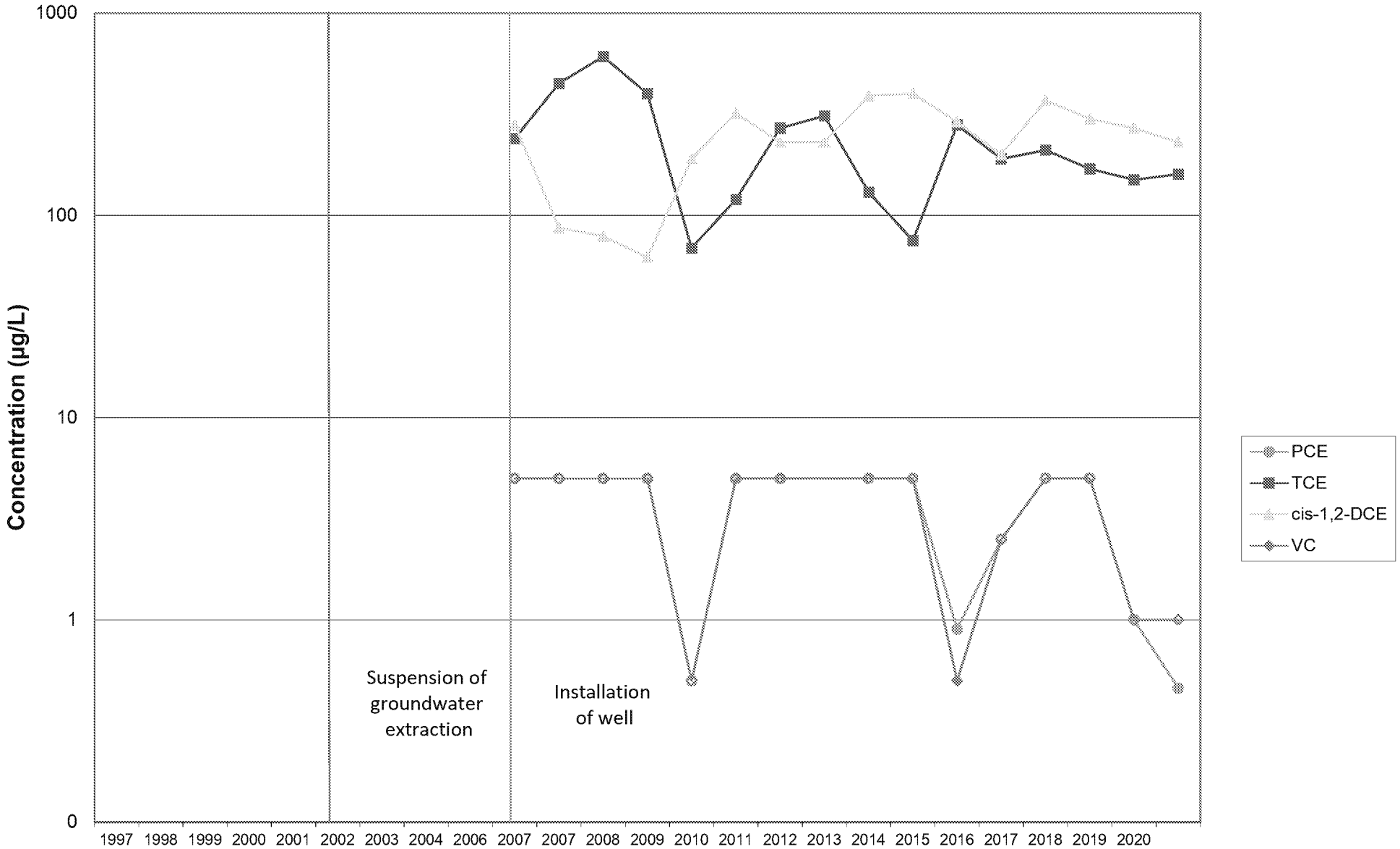
Former TRW Microwave - 825 Stewart Drive, Sunnyvale, California



Note: Suspension of groundwater extration at wells Eductor, T-2A, T-8A and T-9A occured on April 6, 2001.
Enhanced anaerobic bioremediation (EAB) program initiated in October 2000.
Suspension of EAB monitoring in 2017.
Concentrations are shown in micrograms per Liter (µg/L) and concentrations reported as non-detect are open.

Chlorinated Ethene Concentration Trend Plot for Well T-17B

Former TRW Microwave - 825 Stewart Drive, Sunnyvale, California



Note: Suspension of groundwater extration at wells Eductor, T-2A, T-8A and T-9A occured on April 6, 2001.
Enhanced anaerobic bioremediation (EAB) program initiated in October 2000.
Suspension of EAB monitoring in 2017.
Concentrations are shown in micrograms per Liter (µg/L) and concentrations reported as non-detect are open.

Appendix E – Analytical Laboratory Reports and Chain-of-Custody Forms - 2020

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-65718-1
Client Project/Site: NGC Microwave

For:
Groundwater & Environmental Services Inc
9655 Granite Ridge Drive
Suite 200
San Diego, California 92123

Attn: Jennifer Clay

Authorized for release by:
10/30/2020 4:16:47 PM

Afsaneh Salimpour, Senior Project Manager
(925)484-1919
Afsaneh.Salimpour@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 320-65718-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-65718-1

Comments
No additional comments.

Receipt
The samples were received on 10/17/2020 10:05 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.2° C.

Receipt Exceptions

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): TRIPBLANK-J6038-101320-1 (320-65718-11), J6038-T18B-101420 (320-65718-22), J6038-T19A-101420 (320-65718-24), J6038-T19B-101520 (320-65718-31), J6038-T23B-101520 (320-65718-35), J6038-T24B-101520 (320-65718-36) and J6038-T25BD-101520 (320-65718-39).

Sample 11 - sample container ID says TRIPBLANK-J6038-101320, COC lists TRIPBLANK-J6038-101320-1
Sample 22 - sample container ID says J6038-T-18B-101420, COC lists J6038-T18B-101420
Sample 24 (one of three) - sample container ID says J6038-T-19A-101420, COC lists J6038-T19A-101420
Sample 31 - sample container ID says J6038-T-19B-101520, COC lists J6038-T19B-101520
Sample 35 - sample container ID says J6038-T-23B-101520, COC lists J6038-T23B-101520
Sample 36 - sample container ID says J6038-T-24B-101520, COC lists J6038-T24B-101520
Sample 39 - sample container ID says J6038-T-25Bd-101520, COC lists J6038-T25BD-101520

GC/MS VOA
Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: J6038-T17B-101520 (320-65718-30), J6038-T21B-101520 (320-65718-32), J6038-T22B-101520 (320-65718-33), J6038-T23B-101520 (320-65718-35), J6038-T24B-101520 (320-65718-36), J6038-T25BS-101520 (320-65718-38) and J6038-T25BD-101520 (320-65718-39). Elevated reporting limits (RLs) are provided.

Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: J6038-T4B-101320 (320-65718-4), J6038-T5B-101320-1 (320-65718-5), J6038-T5B-101320-2 (320-65718-6), J6038-T7A-101320-1 (320-65718-7), J6038-T7A-101320-2 (320-65718-8), J6038-T7B-101320-1 (320-65718-9), J6038-T7B-101320-2 (320-65718-10), J6038-T8B-101320 (320-65718-13), J6038-T20B-101420 (320-65718-23) and J6038-T15A-101520 (320-65718-26). Elevated reporting limits (RLs) are provided.

Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: J6038-T10B-101420 (320-65718-16), J6038-T10C-101420 (320-65718-17), J6038-T11C-101420-1 (320-65718-18), J6038-T11C-101420-2 (320-65718-19) and J6038-T12C-101420 (320-65718-20). Elevated reporting limits (RLs) are provided.

Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: J6038-T10B-101420 (320-65718-16), J6038-T10C-101420 (320-65718-17), J6038-T11C-101420-1 (320-65718-18), J6038-T11C-101420-2 (320-65718-19), J6038-T12C-101420 (320-65718-20) and J6038-T13A-101420 (320-65718-21). Elevated reporting limits (RLs) are provided.

Method 8260B: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: J6038-T7A-101320-2 (320-65718-8), J6038-T7B-101320-2 (320-65718-10), J6038-T9C-101420 (320-65718-14) and J6038-T20B-101420 (320-65718-23). pH measured at 7.

Method 8260B: The method blank for preparation batch analytical batch 320-424956 contained 1,4-Dichlorobenzene above the method detection limit (MDL). None of the samples associated with this method blank contained the target compound; therefore, re-analysis of samples were not performed.

Job ID: 320-65718-1 (Continued)

Laboratory: Eurofins TestAmerica, Sacramento (Continued)

Method 8260B: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: J6038-T10B-101420 (320-65718-16). pH measured at 7.

Method 8260B: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: J6038-T11C-101420-1 (320-65718-18) and J6038-T11C-101420-2 (320-65718-19). pH measured at 8.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: TRIPBLANK-J6038-101220-1 — Lab Sample ID: 320-65718-1

No Detections.

Client Sample ID: J6038-T9A-101220 — Lab Sample ID: 320-65718-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	0.25	J	1.0	0.14	ug/L	2		8260B	Total/NA
1,2-Dichlorobenzene	2.0		1.0	0.19	ug/L	2		8260B	Total/NA
1,1-Dichloroethane	0.30	J	1.0	0.20	ug/L	2		8260B	Total/NA
1,1-Dichloroethene	0.36	J	1.0	0.26	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene	91		1.0	0.36	ug/L	2		8260B	Total/NA
trans-1,2-Dichloroethene	2.0		1.0	0.22	ug/L	2		8260B	Total/NA
Tetrachloroethene	0.46	J	1.0	0.20	ug/L	2		8260B	Total/NA
Trichloroethene	31		1.0	0.20	ug/L	2		8260B	Total/NA

Client Sample ID: J6038-38S-101320 — Lab Sample ID: 320-65718-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.24	J	1.0	0.12	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.15	J	0.50	0.10	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.18	J	0.50	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	50		0.50	0.18	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.47	J	0.50	0.11	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.99		0.50	0.10	ug/L	1		8260B	Total/NA
Trichloroethene	54		0.50	0.10	ug/L	1		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	0.64		0.50	0.17	ug/L	1		8260B	Total/NA
Vinyl chloride	0.93		0.50	0.18	ug/L	1		8260B	Total/NA

Client Sample ID: J6038-T4B-101320 — Lab Sample ID: 320-65718-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	530		10	3.6	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene	2.2	J	10	2.2	ug/L	20		8260B	Total/NA
Trichloroethene	5.0	J	10	2.0	ug/L	20		8260B	Total/NA

Client Sample ID: J6038-T5B-101320-1 — Lab Sample ID: 320-65718-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	51		10	3.6	ug/L	20		8260B	Total/NA
Tetrachloroethene	2.2	J	10	2.0	ug/L	20		8260B	Total/NA
Trichloroethene	810		10	2.0	ug/L	20		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	88		10	3.4	ug/L	20		8260B	Total/NA

Client Sample ID: J6038-T5B-101320-2 — Lab Sample ID: 320-65718-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	49		10	3.6	ug/L	20		8260B	Total/NA
Trichloroethene	690		10	2.0	ug/L	20		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	69		10	3.4	ug/L	20		8260B	Total/NA

Client Sample ID: J6038-T7A-101320-1 — Lab Sample ID: 320-65718-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.29	J	2.0	0.24	ug/L	2		8260B	Total/NA
1,1-Dichloroethane	0.22	J	1.0	0.20	ug/L	2		8260B	Total/NA
1,1-Dichloroethene	0.42	J	1.0	0.26	ug/L	2		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: J6038-T7A-101320-1 (Continued) — Lab Sample ID: 320-65718-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	100		1.0	0.36	ug/L	2		8260B	Total/NA
trans-1,2-Dichloroethene	1.4		1.0	0.22	ug/L	2		8260B	Total/NA
Tetrachloroethene	0.66	J	1.0	0.20	ug/L	2		8260B	Total/NA
Trichloroethene	110		1.0	0.20	ug/L	2		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	2.4		1.0	0.34	ug/L	2		8260B	Total/NA

Client Sample ID: J6038-T7A-101320-2 — Lab Sample ID: 320-65718-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.35	J	2.0	0.24	ug/L	2		8260B	Total/NA
1,1-Dichloroethane	0.26	J	1.0	0.20	ug/L	2		8260B	Total/NA
1,1-Dichloroethene	0.49	J	1.0	0.26	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene	110		1.0	0.36	ug/L	2		8260B	Total/NA
trans-1,2-Dichloroethene	1.4		1.0	0.22	ug/L	2		8260B	Total/NA
Tetrachloroethene	0.80	J	1.0	0.20	ug/L	2		8260B	Total/NA
Trichloroethene	130		1.0	0.20	ug/L	2		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	3.1		1.0	0.34	ug/L	2		8260B	Total/NA

Client Sample ID: J6038-T7B-101320-1 — Lab Sample ID: 320-65718-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.5		1.0	0.36	ug/L	2		8260B	Total/NA
trans-1,2-Dichloroethene	0.36	J	1.0	0.22	ug/L	2		8260B	Total/NA
Trichloroethene	64		1.0	0.20	ug/L	2		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	1.2		1.0	0.34	ug/L	2		8260B	Total/NA

Client Sample ID: J6038-T7B-101320-2 — Lab Sample ID: 320-65718-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.22	J	1.0	0.20	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene	5.2		1.0	0.36	ug/L	2		8260B	Total/NA
trans-1,2-Dichloroethene	0.35	J	1.0	0.22	ug/L	2		8260B	Total/NA
Trichloroethene	70		1.0	0.20	ug/L	2		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	1.4		1.0	0.34	ug/L	2		8260B	Total/NA

Client Sample ID: J6038-T8A-101320 — Lab Sample ID: 320-65718-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.22	J	1.0	0.12	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.24	J	0.50	0.10	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.30	J	0.50	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	63		0.50	0.18	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.5		0.50	0.11	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.81		0.50	0.10	ug/L	1		8260B	Total/NA
Trichloroethene	70		0.50	0.10	ug/L	1		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	0.22	J	0.50	0.17	ug/L	1		8260B	Total/NA
Vinyl chloride	0.85		0.50	0.18	ug/L	1		8260B	Total/NA

Client Sample ID: J6038-T8B-101320 — Lab Sample ID: 320-65718-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	2.8	J	5.0	0.97	ug/L	10		8260B	Total/NA
1,1-Dichloroethene	1.5	J	5.0	1.3	ug/L	10		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: J6038-T8B-101320 (Continued) — Lab Sample ID: 320-65718-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	400		5.0	1.8	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	4.1	J	5.0	1.1	ug/L	10		8260B	Total/NA
Trichloroethene	7.6		5.0	1.0	ug/L	10		8260B	Total/NA
Vinyl chloride	19		5.0	1.8	ug/L	10		8260B	Total/NA

Client Sample ID: J6038-T9C-101420 — Lab Sample ID: 320-65718-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.59		0.50	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	14		0.50	0.18	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.42	J	0.50	0.11	ug/L	1		8260B	Total/NA
Trichloroethene	12		0.50	0.10	ug/L	1		8260B	Total/NA
Vinyl chloride	0.92		0.50	0.18	ug/L	1		8260B	Total/NA

Client Sample ID: J6038-T10B-101420 — Lab Sample ID: 320-65718-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	3.3		1.0	0.19	ug/L	2		8260B	Total/NA
1,1-Dichloroethane	0.60	J	1.0	0.20	ug/L	2		8260B	Total/NA
1,1-Dichloroethene	0.57	J	1.0	0.26	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene	130		1.0	0.36	ug/L	2		8260B	Total/NA
trans-1,2-Dichloroethene	2.8		1.0	0.22	ug/L	2		8260B	Total/NA
Tetrachloroethene	0.88	J	1.0	0.20	ug/L	2		8260B	Total/NA
Trichloroethene	34		1.0	0.20	ug/L	2		8260B	Total/NA
Vinyl chloride	71		1.0	0.36	ug/L	2		8260B	Total/NA

Client Sample ID: J6038-T10C-101420 — Lab Sample ID: 320-65718-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	11		10	3.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethene	5.5		5.0	1.3	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	680		5.0	1.8	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	8.1		5.0	1.1	ug/L	10		8260B	Total/NA
Trichloroethene	420		5.0	1.0	ug/L	10		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	140		5.0	1.7	ug/L	10		8260B	Total/NA
Vinyl chloride	8.3		5.0	1.8	ug/L	10		8260B	Total/NA

Client Sample ID: J6038-T11C-101420-1 — Lab Sample ID: 320-65718-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	2.2		2.0	0.52	ug/L	4		8260B	Total/NA
cis-1,2-Dichloroethene	25		2.0	0.72	ug/L	4		8260B	Total/NA
trans-1,2-Dichloroethene	0.82	J	2.0	0.44	ug/L	4		8260B	Total/NA
Trichloroethene	250		2.0	0.40	ug/L	4		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	7.2		2.0	0.68	ug/L	4		8260B	Total/NA
Vinyl chloride	1.5	J	2.0	0.72	ug/L	4		8260B	Total/NA

Client Sample ID: J6038-T11C-101420-2 — Lab Sample ID: 320-65718-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	2.2		2.0	0.52	ug/L	4		8260B	Total/NA
cis-1,2-Dichloroethene	25		2.0	0.72	ug/L	4		8260B	Total/NA
trans-1,2-Dichloroethene	0.90	J	2.0	0.44	ug/L	4		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: J6038-T11C-101420-2 (Continued) — Lab Sample ID: 320-65718-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	270		2.0	0.40	ug/L	4		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	7.6		2.0	0.68	ug/L	4		8260B	Total/NA
Vinyl chloride	1.6	J	2.0	0.72	ug/L	4		8260B	Total/NA

Client Sample ID: J6038-T12C-101420 — Lab Sample ID: 320-65718-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.5		1.0	0.26	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene	23		1.0	0.36	ug/L	2		8260B	Total/NA
trans-1,2-Dichloroethene	1.0		1.0	0.22	ug/L	2		8260B	Total/NA
Trichloroethene	120		1.0	0.20	ug/L	2		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	1.6		1.0	0.34	ug/L	2		8260B	Total/NA

Client Sample ID: J6038-T13A-101420 — Lab Sample ID: 320-65718-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.27	J	1.0	0.20	ug/L	2		8260B	Total/NA
1,1-Dichloroethene	0.32	J	1.0	0.26	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene	76		1.0	0.36	ug/L	2		8260B	Total/NA
trans-1,2-Dichloroethene	1.9		1.0	0.22	ug/L	2		8260B	Total/NA
Tetrachloroethene	0.57	J	1.0	0.20	ug/L	2		8260B	Total/NA
Trichloroethene	57		1.0	0.20	ug/L	2		8260B	Total/NA
Vinyl chloride	8.5		1.0	0.36	ug/L	2		8260B	Total/NA

Client Sample ID: J6038-T18B-101420 — Lab Sample ID: 320-65718-22

No Detections.

Client Sample ID: J6038-T20B-101420 — Lab Sample ID: 320-65718-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.72		0.50	0.10	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	2.6		0.50	0.13	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	3.7		0.50	0.11	ug/L	1		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	1.4		0.50	0.17	ug/L	1		8260B	Total/NA
Vinyl chloride	23		0.50	0.18	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene - RA	250		5.0	1.8	ug/L	10		8260B	Total/NA
Trichloroethene - RA	230		5.0	1.0	ug/L	10		8260B	Total/NA

Client Sample ID: J6038-T19A-101420 — Lab Sample ID: 320-65718-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	0.37	J	0.50	0.070	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	1.2		0.50	0.097	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.41	J	0.50	0.10	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	7.9		0.50	0.18	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.4		0.50	0.11	ug/L	1		8260B	Total/NA
Trichloroethene	0.16	J	0.50	0.10	ug/L	1		8260B	Total/NA
Vinyl chloride	30		0.50	0.18	ug/L	1		8260B	Total/NA

Client Sample ID: J6038-T14A-101520 — Lab Sample ID: 320-65718-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	1.6		0.50	0.097	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: J6038-T14A-101520 (Continued) — Lab Sample ID: 320-65718-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	0.11	J	0.50	0.083	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.40	J	0.50	0.10	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.33	J	0.50	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	50		0.50	0.18	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.9		0.50	0.11	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.76		0.50	0.10	ug/L	1		8260B	Total/NA
Trichloroethene	39		0.50	0.10	ug/L	1		8260B	Total/NA
Vinyl chloride	20		0.50	0.18	ug/L	1		8260B	Total/NA

Client Sample ID: J6038-T15A-101520 — Lab Sample ID: 320-65718-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.16	J	1.0	0.12	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	1.0		0.50	0.097	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.37	J	0.50	0.10	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.55		0.50	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	67		0.50	0.18	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	2.3		0.50	0.11	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.5		0.50	0.10	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	0.18	J	0.50	0.10	ug/L	1		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	0.19	J	0.50	0.17	ug/L	1		8260B	Total/NA
Trichloroethene - RA	58		1.0	0.20	ug/L	2		8260B	Total/NA

Client Sample ID: J6038-T16A-101520 — Lab Sample ID: 320-65718-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.12	J	1.0	0.12	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	0.95		0.50	0.097	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.29	J	0.50	0.10	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.35	J	0.50	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	63		0.50	0.18	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.9		0.50	0.11	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.95		0.50	0.10	ug/L	1		8260B	Total/NA
Trichloroethene	54		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: J6038-T17A-101520 — Lab Sample ID: 320-65718-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.57	J	1.0	0.12	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.18	J	0.50	0.10	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	11		0.50	0.18	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.69		0.50	0.11	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.97		0.50	0.10	ug/L	1		8260B	Total/NA
Trichloroethene	51		0.50	0.10	ug/L	1		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	0.42	J	0.50	0.17	ug/L	1		8260B	Total/NA
Vinyl chloride	1.4		0.50	0.18	ug/L	1		8260B	Total/NA

Client Sample ID: J6038-T17B-101520 — Lab Sample ID: 320-65718-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.64	J	2.0	0.52	ug/L	4		8260B	Total/NA
cis-1,2-Dichloroethene	230		2.0	0.72	ug/L	4		8260B	Total/NA
trans-1,2-Dichloroethene	1.3	J	2.0	0.44	ug/L	4		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: J6038-T17B-101520 (Continued) — Lab Sample ID: 320-65718-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.46	J	2.0	0.40	ug/L	4		8260B	Total/NA
Trichloroethene	160		2.0	0.40	ug/L	4		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	5.7		2.0	0.68	ug/L	4		8260B	Total/NA

Client Sample ID: J6038-T19B-101520 — Lab Sample ID: 320-65718-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.23	J	0.50	0.10	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.4		0.50	0.18	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	0.20	J	0.50	0.10	ug/L	1		8260B	Total/NA
Trichloroethene	53		0.50	0.10	ug/L	1		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0		0.50	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: J6038-T21B-101520 — Lab Sample ID: 320-65718-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.4	J	2.5	0.65	ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene	270		2.5	0.90	ug/L	5		8260B	Total/NA
trans-1,2-Dichloroethene	2.0	J	2.5	0.55	ug/L	5		8260B	Total/NA
Trichloroethene	350		2.5	0.50	ug/L	5		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	14		2.5	0.85	ug/L	5		8260B	Total/NA

Client Sample ID: J6038-T22B-101520 — Lab Sample ID: 320-65718-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	2.4		1.0	0.19	ug/L	2		8260B	Total/NA
1,1-Dichloroethane	0.38	J	1.0	0.20	ug/L	2		8260B	Total/NA
1,1-Dichloroethene	0.78	J	1.0	0.26	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene	140		1.0	0.36	ug/L	2		8260B	Total/NA
trans-1,2-Dichloroethene	3.6		1.0	0.22	ug/L	2		8260B	Total/NA
Tetrachloroethene	1.4		1.0	0.20	ug/L	2		8260B	Total/NA
Trichloroethene	76		1.0	0.20	ug/L	2		8260B	Total/NA

Client Sample ID: J6038-T23A-101520 — Lab Sample ID: 320-65718-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.15	J	1.0	0.12	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.19	J	0.50	0.10	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.17	J	0.50	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	43		0.50	0.18	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.5		0.50	0.11	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.63		0.50	0.10	ug/L	1		8260B	Total/NA
Trichloroethene	48		0.50	0.10	ug/L	1		8260B	Total/NA
Vinyl chloride	7.3		0.50	0.18	ug/L	1		8260B	Total/NA

Client Sample ID: J6038-T23B-101520 — Lab Sample ID: 320-65718-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	2.4		1.0	0.19	ug/L	2		8260B	Total/NA
1,1-Dichloroethane	0.36	J	1.0	0.20	ug/L	2		8260B	Total/NA
1,1-Dichloroethene	0.81	J	1.0	0.26	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene	140		1.0	0.36	ug/L	2		8260B	Total/NA
trans-1,2-Dichloroethene	3.2		1.0	0.22	ug/L	2		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: J6038-T23B-101520 (Continued) — Lab Sample ID: 320-65718-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.5		1.0	0.20	ug/L	2		8260B	Total/NA
Trichloroethene	76		1.0	0.20	ug/L	2		8260B	Total/NA
Vinyl chloride	0.76	J	1.0	0.36	ug/L	2		8260B	Total/NA

Client Sample ID: J6038-T24B-101520 — Lab Sample ID: 320-65718-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.46	J	1.0	0.20	ug/L	2		8260B	Total/NA
1,1-Dichloroethene	1.0		1.0	0.26	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene	94		1.0	0.36	ug/L	2		8260B	Total/NA
trans-1,2-Dichloroethene	0.96	J	1.0	0.22	ug/L	2		8260B	Total/NA
Trichloroethene	36		1.0	0.20	ug/L	2		8260B	Total/NA
Vinyl chloride	2.9		1.0	0.36	ug/L	2		8260B	Total/NA

Client Sample ID: J6038-T25A-101520 — Lab Sample ID: 320-65718-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	1.9		0.50	0.097	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	0.13	J	0.50	0.083	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.37	J	0.50	0.10	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.42	J	0.50	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	57		0.50	0.18	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.7		0.50	0.11	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.5		0.50	0.10	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	0.14	J	0.50	0.10	ug/L	1		8260B	Total/NA
Trichloroethene	59		0.50	0.10	ug/L	1		8260B	Total/NA
Vinyl chloride	10		0.50	0.18	ug/L	1		8260B	Total/NA

Client Sample ID: J6038-T25BS-101520 — Lab Sample ID: 320-65718-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	0.82	J	2.0	0.39	ug/L	4		8260B	Total/NA
1,1-Dichloroethane	0.64	J	2.0	0.40	ug/L	4		8260B	Total/NA
cis-1,2-Dichloroethene	200		2.0	0.72	ug/L	4		8260B	Total/NA
trans-1,2-Dichloroethene	4.9		2.0	0.44	ug/L	4		8260B	Total/NA
Trichloroethene	2.4		2.0	0.40	ug/L	4		8260B	Total/NA
Vinyl chloride	200		2.0	0.72	ug/L	4		8260B	Total/NA

Client Sample ID: J6038-T25BD-101520 — Lab Sample ID: 320-65718-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	2.4	J	5.0	0.97	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	74		5.0	1.8	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	1.2	J	5.0	1.1	ug/L	10		8260B	Total/NA
Tetrachloroethene	6.2		5.0	1.0	ug/L	10		8260B	Total/NA
Trichloroethene	320		5.0	1.0	ug/L	10		8260B	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	3.6	J	5.0	1.7	ug/L	10		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: TRIPBLANK-J6038-101220-1

Lab Sample ID: 320-65718-1

Date Collected: 10/12/20 11:45
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		0.50	0.14	ug/L			10/23/20 00:03	1
Bromoform	ND		1.0	0.19	ug/L			10/23/20 00:03	1
Bromomethane	ND		1.0	0.21	ug/L			10/23/20 00:03	1
Carbon tetrachloride	ND		0.50	0.12	ug/L			10/23/20 00:03	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/23/20 00:03	1
Chloroethane	ND		1.0	0.24	ug/L			10/23/20 00:03	1
Chloroform	ND		1.0	0.12	ug/L			10/23/20 00:03	1
Chloromethane	ND		1.0	0.26	ug/L			10/23/20 00:03	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			10/23/20 00:03	1
1,2-Dichlorobenzene	ND		0.50	0.097	ug/L			10/23/20 00:03	1
1,3-Dichlorobenzene	ND		0.50	0.086	ug/L			10/23/20 00:03	1
1,4-Dichlorobenzene	ND		0.50	0.083	ug/L			10/23/20 00:03	1
EDB	ND		0.50	0.12	ug/L			10/23/20 00:03	1
Dichlorodifluoromethane	ND		1.0	0.32	ug/L			10/23/20 00:03	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/23/20 00:03	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			10/23/20 00:03	1
1,1-Dichloroethene	ND		0.50	0.13	ug/L			10/23/20 00:03	1
cis-1,2-Dichloroethene	ND		0.50	0.18	ug/L			10/23/20 00:03	1
trans-1,2-Dichloroethene	ND		0.50	0.11	ug/L			10/23/20 00:03	1
1,2-Dichloropropane	ND		0.50	0.15	ug/L			10/23/20 00:03	1
cis-1,3-Dichloropropene	ND		0.50	0.15	ug/L			10/23/20 00:03	1
trans-1,3-Dichloropropene	ND		0.50	0.16	ug/L			10/23/20 00:03	1
Methylene Chloride	ND		1.0	0.16	ug/L			10/23/20 00:03	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ug/L			10/23/20 00:03	1
Tetrachloroethene	ND		0.50	0.10	ug/L			10/23/20 00:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			10/23/20 00:03	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			10/23/20 00:03	1
1,1,2-Trichloroethane	ND		0.50	0.12	ug/L			10/23/20 00:03	1
Trichloroethene	ND		0.50	0.10	ug/L			10/23/20 00:03	1
Trichlorofluoromethane	ND		1.0	0.13	ug/L			10/23/20 00:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			10/23/20 00:03	1
Vinyl chloride	ND		0.50	0.18	ug/L			10/23/20 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*74 - 120*		*10/23/20 00:03*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 123*		*10/23/20 00:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*72 - 123*		*10/23/20 00:03*	*1*
Toluene-d8 (Surr)	*90*		*78 - 120*		*10/23/20 00:03*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T9A-101220

Lab Sample ID: 320-65718-2

Date Collected: 10/12/20 12:00
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		1.0	0.28	ug/L			10/23/20 02:44	2
Bromoform	ND		2.0	0.38	ug/L			10/23/20 02:44	2
Bromomethane	ND		2.0	0.42	ug/L			10/23/20 02:44	2
Carbon tetrachloride	ND		1.0	0.24	ug/L			10/23/20 02:44	2
Chlorobenzene	**0.25**	**J**	1.0	0.14	ug/L			10/23/20 02:44	2
Chloroethane	ND		2.0	0.48	ug/L			10/23/20 02:44	2
Chloroform	ND		2.0	0.24	ug/L			10/23/20 02:44	2
Chloromethane	ND		2.0	0.52	ug/L			10/23/20 02:44	2
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/23/20 02:44	2
1,2-Dichlorobenzene	**2.0**		1.0	0.19	ug/L			10/23/20 02:44	2
1,3-Dichlorobenzene	ND		1.0	0.17	ug/L			10/23/20 02:44	2
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			10/23/20 02:44	2
EDB	ND		1.0	0.24	ug/L			10/23/20 02:44	2
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/23/20 02:44	2
1,1-Dichloroethane	**0.30**	**J**	1.0	0.20	ug/L			10/23/20 02:44	2
1,2-Dichloroethane	ND		1.0	0.28	ug/L			10/23/20 02:44	2
1,1-Dichloroethene	**0.36**	**J**	1.0	0.26	ug/L			10/23/20 02:44	2
cis-1,2-Dichloroethene	**91**		1.0	0.36	ug/L			10/23/20 02:44	2
trans-1,2-Dichloroethene	**2.0**		1.0	0.22	ug/L			10/23/20 02:44	2
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/23/20 02:44	2
cis-1,3-Dichloropropene	ND		1.0	0.30	ug/L			10/23/20 02:44	2
trans-1,3-Dichloropropene	ND		1.0	0.32	ug/L			10/23/20 02:44	2
Methylene Chloride	ND		2.0	0.32	ug/L			10/23/20 02:44	2
1,1,2,2-Tetrachloroethane	ND		1.0	0.22	ug/L			10/23/20 02:44	2
Tetrachloroethene	**0.46**	**J**	1.0	0.20	ug/L			10/23/20 02:44	2
1,2,4-Trichlorobenzene	ND		2.0	0.50	ug/L			10/23/20 02:44	2
1,1,1-Trichloroethane	ND		1.0	0.20	ug/L			10/23/20 02:44	2
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			10/23/20 02:44	2
Trichloroethene	**31**		1.0	0.20	ug/L			10/23/20 02:44	2
Trichlorofluoromethane	ND		2.0	0.26	ug/L			10/23/20 02:44	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34	ug/L			10/23/20 02:44	2
Vinyl chloride	ND		1.0	0.36	ug/L			10/23/20 02:44	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*74 - 120*		*10/23/20 02:44*	*2*
Dibromofluoromethane (Surr)	*100*		*80 - 123*		*10/23/20 02:44*	*2*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 123*		*10/23/20 02:44*	*2*
Toluene-d8 (Surr)	*90*		*78 - 120*		*10/23/20 02:44*	*2*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-38S-101320

Lab Sample ID: 320-65718-3

Date Collected: 10/13/20 08:27
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		0.50	0.14	ug/L			10/23/20 00:49	1
Bromoform	ND		1.0	0.19	ug/L			10/23/20 00:49	1
Bromomethane	ND		1.0	0.21	ug/L			10/23/20 00:49	1
Carbon tetrachloride	ND		0.50	0.12	ug/L			10/23/20 00:49	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/23/20 00:49	1
Chloroethane	ND		1.0	0.24	ug/L			10/23/20 00:49	1
Chloroform	**0.24**	**J**	1.0	0.12	ug/L			10/23/20 00:49	1
Chloromethane	ND		1.0	0.26	ug/L			10/23/20 00:49	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			10/23/20 00:49	1
1,2-Dichlorobenzene	ND		0.50	0.097	ug/L			10/23/20 00:49	1
1,3-Dichlorobenzene	ND		0.50	0.086	ug/L			10/23/20 00:49	1
1,4-Dichlorobenzene	ND		0.50	0.083	ug/L			10/23/20 00:49	1
EDB	ND		0.50	0.12	ug/L			10/23/20 00:49	1
Dichlorodifluoromethane	ND		1.0	0.32	ug/L			10/23/20 00:49	1
1,1-Dichloroethane	**0.15**	**J**	0.50	0.10	ug/L			10/23/20 00:49	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			10/23/20 00:49	1
1,1-Dichloroethene	**0.18**	**J**	0.50	0.13	ug/L			10/23/20 00:49	1
cis-1,2-Dichloroethene	**50**		0.50	0.18	ug/L			10/23/20 00:49	1
trans-1,2-Dichloroethene	**0.47**	**J**	0.50	0.11	ug/L			10/23/20 00:49	1
1,2-Dichloropropane	ND		0.50	0.15	ug/L			10/23/20 00:49	1
cis-1,3-Dichloropropene	ND		0.50	0.15	ug/L			10/23/20 00:49	1
trans-1,3-Dichloropropene	ND		0.50	0.16	ug/L			10/23/20 00:49	1
Methylene Chloride	ND		1.0	0.16	ug/L			10/23/20 00:49	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ug/L			10/23/20 00:49	1
Tetrachloroethene	**0.99**		0.50	0.10	ug/L			10/23/20 00:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			10/23/20 00:49	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			10/23/20 00:49	1
1,1,2-Trichloroethane	ND		0.50	0.12	ug/L			10/23/20 00:49	1
Trichloroethene	**54**		0.50	0.10	ug/L			10/23/20 00:49	1
Trichlorofluoromethane	ND		1.0	0.13	ug/L			10/23/20 00:49	1
1,1,2-Trichloro-1,2,2-trifluoroetha ne	**0.64**		0.50	0.17	ug/L			10/23/20 00:49	1
Vinyl chloride	**0.93**		0.50	0.18	ug/L			10/23/20 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*74 - 120*		*10/23/20 00:49*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 123*		*10/23/20 00:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*72 - 123*		*10/23/20 00:49*	*1*
Toluene-d8 (Surr)	*91*		*78 - 120*		*10/23/20 00:49*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T4B-101320

Lab Sample ID: 320-65718-4

Date Collected: 10/13/20 09:40
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		10	2.8	ug/L			10/23/20 06:34	20
Bromoform	ND		20	3.8	ug/L			10/23/20 06:34	20
Bromomethane	ND		20	4.2	ug/L			10/23/20 06:34	20
Carbon tetrachloride	ND		10	2.4	ug/L			10/23/20 06:34	20
Chlorobenzene	ND		10	1.4	ug/L			10/23/20 06:34	20
Chloroethane	ND		20	4.8	ug/L			10/23/20 06:34	20
Chloroform	ND		20	2.4	ug/L			10/23/20 06:34	20
Chloromethane	ND		20	5.2	ug/L			10/23/20 06:34	20
Chlorodibromomethane	ND		10	3.2	ug/L			10/23/20 06:34	20
1,2-Dichlorobenzene	ND		10	1.9	ug/L			10/23/20 06:34	20
1,3-Dichlorobenzene	ND		10	1.7	ug/L			10/23/20 06:34	20
1,4-Dichlorobenzene	ND		10	1.7	ug/L			10/23/20 06:34	20
EDB	ND		10	2.4	ug/L			10/23/20 06:34	20
Dichlorodifluoromethane	ND		20	6.4	ug/L			10/23/20 06:34	20
1,1-Dichloroethane	ND		10	2.0	ug/L			10/23/20 06:34	20
1,2-Dichloroethane	ND		10	2.8	ug/L			10/23/20 06:34	20
1,1-Dichloroethene	ND		10	2.6	ug/L			10/23/20 06:34	20
cis-1,2-Dichloroethene	**530**		10	3.6	ug/L			10/23/20 06:34	20
trans-1,2-Dichloroethene	**2.2**	**J**	10	2.2	ug/L			10/23/20 06:34	20
1,2-Dichloropropane	ND		10	3.0	ug/L			10/23/20 06:34	20
cis-1,3-Dichloropropene	ND		10	3.0	ug/L			10/23/20 06:34	20
trans-1,3-Dichloropropene	ND		10	3.2	ug/L			10/23/20 06:34	20
Methylene Chloride	ND		20	3.2	ug/L			10/23/20 06:34	20
1,1,2,2-Tetrachloroethane	ND		10	2.2	ug/L			10/23/20 06:34	20
Tetrachloroethene	ND		10	2.0	ug/L			10/23/20 06:34	20
1,2,4-Trichlorobenzene	ND		20	5.0	ug/L			10/23/20 06:34	20
1,1,1-Trichloroethane	ND		10	2.0	ug/L			10/23/20 06:34	20
1,1,2-Trichloroethane	ND		10	2.4	ug/L			10/23/20 06:34	20
Trichloroethene	**5.0**	**J**	10	2.0	ug/L			10/23/20 06:34	20
Trichlorofluoromethane	ND		20	2.6	ug/L			10/23/20 06:34	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.4	ug/L			10/23/20 06:34	20
Vinyl chloride	ND		10	3.6	ug/L			10/23/20 06:34	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*74 - 120*		*10/23/20 06:34*	*20*
Dibromofluoromethane (Surr)	*97*		*80 - 123*		*10/23/20 06:34*	*20*
1,2-Dichloroethane-d4 (Surr)	*97*		*72 - 123*		*10/23/20 06:34*	*20*
Toluene-d8 (Surr)	*92*		*78 - 120*		*10/23/20 06:34*	*20*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T5B-101320-1

Lab Sample ID: 320-65718-5

Date Collected: 10/13/20 10:40
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		10	2.8	ug/L			10/23/20 06:57	20
Bromoform	ND		20	3.8	ug/L			10/23/20 06:57	20
Bromomethane	ND		20	4.2	ug/L			10/23/20 06:57	20
Carbon tetrachloride	ND		10	2.4	ug/L			10/23/20 06:57	20
Chlorobenzene	ND		10	1.4	ug/L			10/23/20 06:57	20
Chloroethane	ND		20	4.8	ug/L			10/23/20 06:57	20
Chloroform	ND		20	2.4	ug/L			10/23/20 06:57	20
Chloromethane	ND		20	5.2	ug/L			10/23/20 06:57	20
Chlorodibromomethane	ND		10	3.2	ug/L			10/23/20 06:57	20
1,2-Dichlorobenzene	ND		10	1.9	ug/L			10/23/20 06:57	20
1,3-Dichlorobenzene	ND		10	1.7	ug/L			10/23/20 06:57	20
1,4-Dichlorobenzene	ND		10	1.7	ug/L			10/23/20 06:57	20
EDB	ND		10	2.4	ug/L			10/23/20 06:57	20
Dichlorodifluoromethane	ND		20	6.4	ug/L			10/23/20 06:57	20
1,1-Dichloroethane	ND		10	2.0	ug/L			10/23/20 06:57	20
1,2-Dichloroethane	ND		10	2.8	ug/L			10/23/20 06:57	20
1,1-Dichloroethene	ND		10	2.6	ug/L			10/23/20 06:57	20
cis-1,2-Dichloroethene	**51**		10	3.6	ug/L			10/23/20 06:57	20
trans-1,2-Dichloroethene	ND		10	2.2	ug/L			10/23/20 06:57	20
1,2-Dichloropropane	ND		10	3.0	ug/L			10/23/20 06:57	20
cis-1,3-Dichloropropene	ND		10	3.0	ug/L			10/23/20 06:57	20
trans-1,3-Dichloropropene	ND		10	3.2	ug/L			10/23/20 06:57	20
Methylene Chloride	ND		20	3.2	ug/L			10/23/20 06:57	20
1,1,2,2-Tetrachloroethane	ND		10	2.2	ug/L			10/23/20 06:57	20
Tetrachloroethene	**2.2**	**J**	10	2.0	ug/L			10/23/20 06:57	20
1,2,4-Trichlorobenzene	ND		20	5.0	ug/L			10/23/20 06:57	20
1,1,1-Trichloroethane	ND		10	2.0	ug/L			10/23/20 06:57	20
1,1,2-Trichloroethane	ND		10	2.4	ug/L			10/23/20 06:57	20
Trichloroethene	**810**		10	2.0	ug/L			10/23/20 06:57	20
Trichlorofluoromethane	ND		20	2.6	ug/L			10/23/20 06:57	20
1,1,2-Trichloro-1,2,2-trifluoroethane	**88**		10	3.4	ug/L			10/23/20 06:57	20
Vinyl chloride	ND		10	3.6	ug/L			10/23/20 06:57	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*74 - 120*		*10/23/20 06:57*	*20*
Dibromofluoromethane (Surr)	*99*		*80 - 123*		*10/23/20 06:57*	*20*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 123*		*10/23/20 06:57*	*20*
Toluene-d8 (Surr)	*92*		*78 - 120*		*10/23/20 06:57*	*20*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T5B-101320-2

Lab Sample ID: 320-65718-6

Date Collected: 10/13/20 10:45
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		10	2.8	ug/L			10/23/20 07:20	20
Bromoform	ND		20	3.8	ug/L			10/23/20 07:20	20
Bromomethane	ND		20	4.2	ug/L			10/23/20 07:20	20
Carbon tetrachloride	ND		10	2.4	ug/L			10/23/20 07:20	20
Chlorobenzene	ND		10	1.4	ug/L			10/23/20 07:20	20
Chloroethane	ND		20	4.8	ug/L			10/23/20 07:20	20
Chloroform	ND		20	2.4	ug/L			10/23/20 07:20	20
Chloromethane	ND		20	5.2	ug/L			10/23/20 07:20	20
Chlorodibromomethane	ND		10	3.2	ug/L			10/23/20 07:20	20
1,2-Dichlorobenzene	ND		10	1.9	ug/L			10/23/20 07:20	20
1,3-Dichlorobenzene	ND		10	1.7	ug/L			10/23/20 07:20	20
1,4-Dichlorobenzene	ND		10	1.7	ug/L			10/23/20 07:20	20
EDB	ND		10	2.4	ug/L			10/23/20 07:20	20
Dichlorodifluoromethane	ND		20	6.4	ug/L			10/23/20 07:20	20
1,1-Dichloroethane	ND		10	2.0	ug/L			10/23/20 07:20	20
1,2-Dichloroethane	ND		10	2.8	ug/L			10/23/20 07:20	20
1,1-Dichloroethene	ND		10	2.6	ug/L			10/23/20 07:20	20
cis-1,2-Dichloroethene	**49**		10	3.6	ug/L			10/23/20 07:20	20
trans-1,2-Dichloroethene	ND		10	2.2	ug/L			10/23/20 07:20	20
1,2-Dichloropropane	ND		10	3.0	ug/L			10/23/20 07:20	20
cis-1,3-Dichloropropene	ND		10	3.0	ug/L			10/23/20 07:20	20
trans-1,3-Dichloropropene	ND		10	3.2	ug/L			10/23/20 07:20	20
Methylene Chloride	ND		20	3.2	ug/L			10/23/20 07:20	20
1,1,2,2-Tetrachloroethane	ND		10	2.2	ug/L			10/23/20 07:20	20
Tetrachloroethene	ND		10	2.0	ug/L			10/23/20 07:20	20
1,2,4-Trichlorobenzene	ND		20	5.0	ug/L			10/23/20 07:20	20
1,1,1-Trichloroethane	ND		10	2.0	ug/L			10/23/20 07:20	20
1,1,2-Trichloroethane	ND		10	2.4	ug/L			10/23/20 07:20	20
Trichloroethene	**690**		10	2.0	ug/L			10/23/20 07:20	20
Trichlorofluoromethane	ND		20	2.6	ug/L			10/23/20 07:20	20
1,1,2-Trichloro-1,2,2-trifluoroethane	**69**		10	3.4	ug/L			10/23/20 07:20	20
Vinyl chloride	ND		10	3.6	ug/L			10/23/20 07:20	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*74 - 120*		*10/23/20 07:20*	*20*
Dibromofluoromethane (Surr)	*102*		*80 - 123*		*10/23/20 07:20*	*20*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 123*		*10/23/20 07:20*	*20*
Toluene-d8 (Surr)	*90*		*78 - 120*		*10/23/20 07:20*	*20*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T7A-101320-1

Lab Sample ID: 320-65718-7

Date Collected: 10/13/20 11:45
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		1.0	0.28	ug/L			10/23/20 03:07	2
Bromoform	ND		2.0	0.38	ug/L			10/23/20 03:07	2
Bromomethane	ND		2.0	0.42	ug/L			10/23/20 03:07	2
Carbon tetrachloride	ND		1.0	0.24	ug/L			10/23/20 03:07	2
Chlorobenzene	ND		1.0	0.14	ug/L			10/23/20 03:07	2
Chloroethane	ND		2.0	0.48	ug/L			10/23/20 03:07	2
Chloroform	**0.29**	**J**	2.0	0.24	ug/L			10/23/20 03:07	2
Chloromethane	ND		2.0	0.52	ug/L			10/23/20 03:07	2
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/23/20 03:07	2
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			10/23/20 03:07	2
1,3-Dichlorobenzene	ND		1.0	0.17	ug/L			10/23/20 03:07	2
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			10/23/20 03:07	2
EDB	ND		1.0	0.24	ug/L			10/23/20 03:07	2
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/23/20 03:07	2
1,1-Dichloroethane	**0.22**	**J**	1.0	0.20	ug/L			10/23/20 03:07	2
1,2-Dichloroethane	ND		1.0	0.28	ug/L			10/23/20 03:07	2
1,1-Dichloroethene	**0.42**	**J**	1.0	0.26	ug/L			10/23/20 03:07	2
cis-1,2-Dichloroethene	**100**		1.0	0.36	ug/L			10/23/20 03:07	2
trans-1,2-Dichloroethene	**1.4**		1.0	0.22	ug/L			10/23/20 03:07	2
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/23/20 03:07	2
cis-1,3-Dichloropropene	ND		1.0	0.30	ug/L			10/23/20 03:07	2
trans-1,3-Dichloropropene	ND		1.0	0.32	ug/L			10/23/20 03:07	2
Methylene Chloride	ND		2.0	0.32	ug/L			10/23/20 03:07	2
1,1,2,2-Tetrachloroethane	ND		1.0	0.22	ug/L			10/23/20 03:07	2
Tetrachloroethene	**0.66**	**J**	1.0	0.20	ug/L			10/23/20 03:07	2
1,2,4-Trichlorobenzene	ND		2.0	0.50	ug/L			10/23/20 03:07	2
1,1,1-Trichloroethane	ND		1.0	0.20	ug/L			10/23/20 03:07	2
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			10/23/20 03:07	2
Trichloroethene	**110**		1.0	0.20	ug/L			10/23/20 03:07	2
Trichlorofluoromethane	ND		2.0	0.26	ug/L			10/23/20 03:07	2
1,1,2-Trichloro-1,2,2-trifluoroethane	**2.4**		1.0	0.34	ug/L			10/23/20 03:07	2
Vinyl chloride	ND		1.0	0.36	ug/L			10/23/20 03:07	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*74 - 120*		*10/23/20 03:07*	*2*
Dibromofluoromethane (Surr)	*96*		*80 - 123*		*10/23/20 03:07*	*2*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 123*		*10/23/20 03:07*	*2*
Toluene-d8 (Surr)	*91*		*78 - 120*		*10/23/20 03:07*	*2*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T7A-101320-2

Lab Sample ID: 320-65718-8

Date Collected: 10/13/20 11:50
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		1.0	0.28	ug/L			10/23/20 03:30	2
Bromoform	ND		2.0	0.38	ug/L			10/23/20 03:30	2
Bromomethane	ND		2.0	0.42	ug/L			10/23/20 03:30	2
Carbon tetrachloride	ND		1.0	0.24	ug/L			10/23/20 03:30	2
Chlorobenzene	ND		1.0	0.14	ug/L			10/23/20 03:30	2
Chloroethane	ND		2.0	0.48	ug/L			10/23/20 03:30	2
Chloroform	**0.35**	**J**	2.0	0.24	ug/L			10/23/20 03:30	2
Chloromethane	ND		2.0	0.52	ug/L			10/23/20 03:30	2
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/23/20 03:30	2
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			10/23/20 03:30	2
1,3-Dichlorobenzene	ND		1.0	0.17	ug/L			10/23/20 03:30	2
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			10/23/20 03:30	2
EDB	ND		1.0	0.24	ug/L			10/23/20 03:30	2
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/23/20 03:30	2
1,1-Dichloroethane	**0.26**	**J**	1.0	0.20	ug/L			10/23/20 03:30	2
1,2-Dichloroethane	ND		1.0	0.28	ug/L			10/23/20 03:30	2
1,1-Dichloroethene	**0.49**	**J**	1.0	0.26	ug/L			10/23/20 03:30	2
cis-1,2-Dichloroethene	**110**		1.0	0.36	ug/L			10/23/20 03:30	2
trans-1,2-Dichloroethene	**1.4**		1.0	0.22	ug/L			10/23/20 03:30	2
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/23/20 03:30	2
cis-1,3-Dichloropropene	ND		1.0	0.30	ug/L			10/23/20 03:30	2
trans-1,3-Dichloropropene	ND		1.0	0.32	ug/L			10/23/20 03:30	2
Methylene Chloride	ND		2.0	0.32	ug/L			10/23/20 03:30	2
1,1,2,2-Tetrachloroethane	ND		1.0	0.22	ug/L			10/23/20 03:30	2
Tetrachloroethene	**0.80**	**J**	1.0	0.20	ug/L			10/23/20 03:30	2
1,2,4-Trichlorobenzene	ND		2.0	0.50	ug/L			10/23/20 03:30	2
1,1,1-Trichloroethane	ND		1.0	0.20	ug/L			10/23/20 03:30	2
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			10/23/20 03:30	2
Trichloroethene	**130**		1.0	0.20	ug/L			10/23/20 03:30	2
Trichlorofluoromethane	ND		2.0	0.26	ug/L			10/23/20 03:30	2
1,1,2-Trichloro-1,2,2-trifluoroethane	**3.1**		1.0	0.34	ug/L			10/23/20 03:30	2
Vinyl chloride	ND		1.0	0.36	ug/L			10/23/20 03:30	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*74 - 120*		*10/23/20 03:30*	*2*
Dibromofluoromethane (Surr)	*98*		*80 - 123*		*10/23/20 03:30*	*2*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 123*		*10/23/20 03:30*	*2*
Toluene-d8 (Surr)	*92*		*78 - 120*		*10/23/20 03:30*	*2*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T7B-101320-1

Lab Sample ID: 320-65718-9

Date Collected: 10/13/20 12:45
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		1.0	0.28	ug/L			10/23/20 03:53	2
Bromoform	ND		2.0	0.38	ug/L			10/23/20 03:53	2
Bromomethane	ND		2.0	0.42	ug/L			10/23/20 03:53	2
Carbon tetrachloride	ND		1.0	0.24	ug/L			10/23/20 03:53	2
Chlorobenzene	ND		1.0	0.14	ug/L			10/23/20 03:53	2
Chloroethane	ND		2.0	0.48	ug/L			10/23/20 03:53	2
Chloroform	ND		2.0	0.24	ug/L			10/23/20 03:53	2
Chloromethane	ND		2.0	0.52	ug/L			10/23/20 03:53	2
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/23/20 03:53	2
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			10/23/20 03:53	2
1,3-Dichlorobenzene	ND		1.0	0.17	ug/L			10/23/20 03:53	2
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			10/23/20 03:53	2
EDB	ND		1.0	0.24	ug/L			10/23/20 03:53	2
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/23/20 03:53	2
1,1-Dichloroethane	ND		1.0	0.20	ug/L			10/23/20 03:53	2
1,2-Dichloroethane	ND		1.0	0.28	ug/L			10/23/20 03:53	2
1,1-Dichloroethene	ND		1.0	0.26	ug/L			10/23/20 03:53	2
cis-1,2-Dichloroethene	**5.5**		1.0	0.36	ug/L			10/23/20 03:53	2
trans-1,2-Dichloroethene	**0.36**	**J**	1.0	0.22	ug/L			10/23/20 03:53	2
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/23/20 03:53	2
cis-1,3-Dichloropropene	ND		1.0	0.30	ug/L			10/23/20 03:53	2
trans-1,3-Dichloropropene	ND		1.0	0.32	ug/L			10/23/20 03:53	2
Methylene Chloride	ND		2.0	0.32	ug/L			10/23/20 03:53	2
1,1,2,2-Tetrachloroethane	ND		1.0	0.22	ug/L			10/23/20 03:53	2
Tetrachloroethene	ND		1.0	0.20	ug/L			10/23/20 03:53	2
1,2,4-Trichlorobenzene	ND		2.0	0.50	ug/L			10/23/20 03:53	2
1,1,1-Trichloroethane	ND		1.0	0.20	ug/L			10/23/20 03:53	2
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			10/23/20 03:53	2
Trichloroethene	**64**		1.0	0.20	ug/L			10/23/20 03:53	2
Trichlorofluoromethane	ND		2.0	0.26	ug/L			10/23/20 03:53	2
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.2**		1.0	0.34	ug/L			10/23/20 03:53	2
Vinyl chloride	ND		1.0	0.36	ug/L			10/23/20 03:53	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*74 - 120*		*10/23/20 03:53*	*2*
Dibromofluoromethane (Surr)	*97*		*80 - 123*		*10/23/20 03:53*	*2*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 123*		*10/23/20 03:53*	*2*
Toluene-d8 (Surr)	*90*		*78 - 120*		*10/23/20 03:53*	*2*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T7B-101320-2

Lab Sample ID: 320-65718-10

Date Collected: 10/13/20 12:50
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		1.0	0.28	ug/L			10/23/20 04:16	2
Bromoform	ND		2.0	0.38	ug/L			10/23/20 04:16	2
Bromomethane	ND		2.0	0.42	ug/L			10/23/20 04:16	2
Carbon tetrachloride	ND		1.0	0.24	ug/L			10/23/20 04:16	2
Chlorobenzene	ND		1.0	0.14	ug/L			10/23/20 04:16	2
Chloroethane	ND		2.0	0.48	ug/L			10/23/20 04:16	2
Chloroform	ND		2.0	0.24	ug/L			10/23/20 04:16	2
Chloromethane	ND		2.0	0.52	ug/L			10/23/20 04:16	2
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/23/20 04:16	2
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			10/23/20 04:16	2
1,3-Dichlorobenzene	ND		1.0	0.17	ug/L			10/23/20 04:16	2
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			10/23/20 04:16	2
EDB	ND		1.0	0.24	ug/L			10/23/20 04:16	2
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/23/20 04:16	2
1,1-Dichloroethane	**0.22**	**J**	1.0	0.20	ug/L			10/23/20 04:16	2
1,2-Dichloroethane	ND		1.0	0.28	ug/L			10/23/20 04:16	2
1,1-Dichloroethene	ND		1.0	0.26	ug/L			10/23/20 04:16	2
cis-1,2-Dichloroethene	**5.2**		1.0	0.36	ug/L			10/23/20 04:16	2
trans-1,2-Dichloroethene	**0.35**	**J**	1.0	0.22	ug/L			10/23/20 04:16	2
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/23/20 04:16	2
cis-1,3-Dichloropropene	ND		1.0	0.30	ug/L			10/23/20 04:16	2
trans-1,3-Dichloropropene	ND		1.0	0.32	ug/L			10/23/20 04:16	2
Methylene Chloride	ND		2.0	0.32	ug/L			10/23/20 04:16	2
1,1,2,2-Tetrachloroethane	ND		1.0	0.22	ug/L			10/23/20 04:16	2
Tetrachloroethene	ND		1.0	0.20	ug/L			10/23/20 04:16	2
1,2,4-Trichlorobenzene	ND		2.0	0.50	ug/L			10/23/20 04:16	2
1,1,1-Trichloroethane	ND		1.0	0.20	ug/L			10/23/20 04:16	2
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			10/23/20 04:16	2
Trichloroethene	**70**		1.0	0.20	ug/L			10/23/20 04:16	2
Trichlorofluoromethane	ND		2.0	0.26	ug/L			10/23/20 04:16	2
1,1,2-Trichloro-1,2,2-trifluoroetha ne	**1.4**		1.0	0.34	ug/L			10/23/20 04:16	2
Vinyl chloride	ND		1.0	0.36	ug/L			10/23/20 04:16	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*74 - 120*		*10/23/20 04:16*	*2*
Dibromofluoromethane (Surr)	*98*		*80 - 123*		*10/23/20 04:16*	*2*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 123*		*10/23/20 04:16*	*2*
Toluene-d8 (Surr)	*92*		*78 - 120*		*10/23/20 04:16*	*2*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T8A-101320

Lab Sample ID: 320-65718-12

Date Collected: 10/13/20 14:30
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		0.50	0.14	ug/L			10/23/20 01:12	1
Bromoform	ND		1.0	0.19	ug/L			10/23/20 01:12	1
Bromomethane	ND		1.0	0.21	ug/L			10/23/20 01:12	1
Carbon tetrachloride	ND		0.50	0.12	ug/L			10/23/20 01:12	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/23/20 01:12	1
Chloroethane	ND		1.0	0.24	ug/L			10/23/20 01:12	1
Chloroform	**0.22**	**J**	1.0	0.12	ug/L			10/23/20 01:12	1
Chloromethane	ND		1.0	0.26	ug/L			10/23/20 01:12	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			10/23/20 01:12	1
1,2-Dichlorobenzene	ND		0.50	0.097	ug/L			10/23/20 01:12	1
1,3-Dichlorobenzene	ND		0.50	0.086	ug/L			10/23/20 01:12	1
1,4-Dichlorobenzene	ND		0.50	0.083	ug/L			10/23/20 01:12	1
EDB	ND		0.50	0.12	ug/L			10/23/20 01:12	1
Dichlorodifluoromethane	ND		1.0	0.32	ug/L			10/23/20 01:12	1
1,1-Dichloroethane	**0.24**	**J**	0.50	0.10	ug/L			10/23/20 01:12	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			10/23/20 01:12	1
1,1-Dichloroethene	**0.30**	**J**	0.50	0.13	ug/L			10/23/20 01:12	1
cis-1,2-Dichloroethene	**63**		0.50	0.18	ug/L			10/23/20 01:12	1
trans-1,2-Dichloroethene	**1.5**		0.50	0.11	ug/L			10/23/20 01:12	1
1,2-Dichloropropane	ND		0.50	0.15	ug/L			10/23/20 01:12	1
cis-1,3-Dichloropropene	ND		0.50	0.15	ug/L			10/23/20 01:12	1
trans-1,3-Dichloropropene	ND		0.50	0.16	ug/L			10/23/20 01:12	1
Methylene Chloride	ND		1.0	0.16	ug/L			10/23/20 01:12	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ug/L			10/23/20 01:12	1
Tetrachloroethene	**0.81**		0.50	0.10	ug/L			10/23/20 01:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			10/23/20 01:12	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			10/23/20 01:12	1
1,1,2-Trichloroethane	ND		0.50	0.12	ug/L			10/23/20 01:12	1
Trichloroethene	**70**		0.50	0.10	ug/L			10/23/20 01:12	1
Trichlorofluoromethane	ND		1.0	0.13	ug/L			10/23/20 01:12	1
1,1,2-Trichloro-1,2,2-trifluoroetha ne	**0.22**	**J**	0.50	0.17	ug/L			10/23/20 01:12	1
Vinyl chloride	**0.85**		0.50	0.18	ug/L			10/23/20 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*74 - 120*		*10/23/20 01:12*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 123*		*10/23/20 01:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 123*		*10/23/20 01:12*	*1*
Toluene-d8 (Surr)	*90*		*78 - 120*		*10/23/20 01:12*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T8B-101320

Lab Sample ID: 320-65718-13

Date Collected: 10/13/20 15:10
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		5.0	1.4	ug/L			10/23/20 05:48	10
Bromoform	ND		10	1.9	ug/L			10/23/20 05:48	10
Bromomethane	ND		10	2.1	ug/L			10/23/20 05:48	10
Carbon tetrachloride	ND		5.0	1.2	ug/L			10/23/20 05:48	10
Chlorobenzene	ND		5.0	0.70	ug/L			10/23/20 05:48	10
Chloroethane	ND		10	2.4	ug/L			10/23/20 05:48	10
Chloroform	ND		10	1.2	ug/L			10/23/20 05:48	10
Chloromethane	ND		10	2.6	ug/L			10/23/20 05:48	10
Chlorodibromomethane	ND		5.0	1.6	ug/L			10/23/20 05:48	10
1,2-Dichlorobenzene	**2.8**	**J**	5.0	0.97	ug/L			10/23/20 05:48	10
1,3-Dichlorobenzene	ND		5.0	0.86	ug/L			10/23/20 05:48	10
1,4-Dichlorobenzene	ND		5.0	0.83	ug/L			10/23/20 05:48	10
EDB	ND		5.0	1.2	ug/L			10/23/20 05:48	10
Dichlorodifluoromethane	ND		10	3.2	ug/L			10/23/20 05:48	10
1,1-Dichloroethane	ND		5.0	1.0	ug/L			10/23/20 05:48	10
1,2-Dichloroethane	ND		5.0	1.4	ug/L			10/23/20 05:48	10
1,1-Dichloroethene	**1.5**	**J**	5.0	1.3	ug/L			10/23/20 05:48	10
cis-1,2-Dichloroethene	**400**		5.0	1.8	ug/L			10/23/20 05:48	10
trans-1,2-Dichloroethene	**4.1**	**J**	5.0	1.1	ug/L			10/23/20 05:48	10
1,2-Dichloropropane	ND		5.0	1.5	ug/L			10/23/20 05:48	10
cis-1,3-Dichloropropene	ND		5.0	1.5	ug/L			10/23/20 05:48	10
trans-1,3-Dichloropropene	ND		5.0	1.6	ug/L			10/23/20 05:48	10
Methylene Chloride	ND		10	1.6	ug/L			10/23/20 05:48	10
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/23/20 05:48	10
Tetrachloroethene	ND		5.0	1.0	ug/L			10/23/20 05:48	10
1,2,4-Trichlorobenzene	ND		10	2.5	ug/L			10/23/20 05:48	10
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			10/23/20 05:48	10
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/23/20 05:48	10
Trichloroethene	**7.6**		5.0	1.0	ug/L			10/23/20 05:48	10
Trichlorofluoromethane	ND		10	1.3	ug/L			10/23/20 05:48	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.7	ug/L			10/23/20 05:48	10
Vinyl chloride	**19**		5.0	1.8	ug/L			10/23/20 05:48	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*74 - 120*		*10/23/20 05:48*	*10*
Dibromofluoromethane (Surr)	*98*		*80 - 123*		*10/23/20 05:48*	*10*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 123*		*10/23/20 05:48*	*10*
Toluene-d8 (Surr)	*92*		*78 - 120*		*10/23/20 05:48*	*10*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T9C-101420

Lab Sample ID: 320-65718-14

Date Collected: 10/14/20 08:50
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		0.50	0.14	ug/L			10/23/20 01:35	1
Bromoform	ND		1.0	0.19	ug/L			10/23/20 01:35	1
Bromomethane	ND		1.0	0.21	ug/L			10/23/20 01:35	1
Carbon tetrachloride	ND		0.50	0.12	ug/L			10/23/20 01:35	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/23/20 01:35	1
Chloroethane	ND		1.0	0.24	ug/L			10/23/20 01:35	1
Chloroform	ND		1.0	0.12	ug/L			10/23/20 01:35	1
Chloromethane	ND		1.0	0.26	ug/L			10/23/20 01:35	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			10/23/20 01:35	1
1,2-Dichlorobenzene	ND		0.50	0.097	ug/L			10/23/20 01:35	1
1,3-Dichlorobenzene	ND		0.50	0.086	ug/L			10/23/20 01:35	1
1,4-Dichlorobenzene	ND		0.50	0.083	ug/L			10/23/20 01:35	1
EDB	ND		0.50	0.12	ug/L			10/23/20 01:35	1
Dichlorodifluoromethane	ND		1.0	0.32	ug/L			10/23/20 01:35	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/23/20 01:35	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			10/23/20 01:35	1
1,1-Dichloroethene	**0.59**		0.50	0.13	ug/L			10/23/20 01:35	1
cis-1,2-Dichloroethene	**14**		0.50	0.18	ug/L			10/23/20 01:35	1
trans-1,2-Dichloroethene	**0.42**	J	0.50	0.11	ug/L			10/23/20 01:35	1
1,2-Dichloropropane	ND		0.50	0.15	ug/L			10/23/20 01:35	1
cis-1,3-Dichloropropene	ND		0.50	0.15	ug/L			10/23/20 01:35	1
trans-1,3-Dichloropropene	ND		0.50	0.16	ug/L			10/23/20 01:35	1
Methylene Chloride	ND		1.0	0.16	ug/L			10/23/20 01:35	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ug/L			10/23/20 01:35	1
Tetrachloroethene	ND		0.50	0.10	ug/L			10/23/20 01:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			10/23/20 01:35	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			10/23/20 01:35	1
1,1,2-Trichloroethane	ND		0.50	0.12	ug/L			10/23/20 01:35	1
Trichloroethene	**12**		0.50	0.10	ug/L			10/23/20 01:35	1
Trichlorofluoromethane	ND		1.0	0.13	ug/L			10/23/20 01:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			10/23/20 01:35	1
Vinyl chloride	**0.92**		0.50	0.18	ug/L			10/23/20 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*74 - 120*		*10/23/20 01:35*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 123*		*10/23/20 01:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 123*		*10/23/20 01:35*	*1*
Toluene-d8 (Surr)	*92*		*78 - 120*		*10/23/20 01:35*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T10B-101420

Lab Sample ID: 320-65718-16

Date Collected: 10/14/20 10:20
Matrix: Water
Date Received: 10/17/20 10:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		1.0	0.28	ug/L			10/24/20 02:19	2
Bromoform	ND		2.0	0.38	ug/L			10/24/20 02:19	2
Bromomethane	ND		2.0	0.42	ug/L			10/24/20 02:19	2
Carbon tetrachloride	ND		1.0	0.24	ug/L			10/24/20 02:19	2
Chlorobenzene	ND		1.0	0.14	ug/L			10/24/20 02:19	2
Chloroethane	ND		2.0	0.48	ug/L			10/24/20 02:19	2
Chloroform	ND		2.0	0.24	ug/L			10/24/20 02:19	2
Chloromethane	ND		2.0	0.52	ug/L			10/24/20 02:19	2
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/24/20 02:19	2
1,2-Dichlorobenzene	**3.3**		1.0	0.19	ug/L			10/24/20 02:19	2
1,3-Dichlorobenzene	ND		1.0	0.17	ug/L			10/24/20 02:19	2
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			10/24/20 02:19	2
EDB	ND		1.0	0.24	ug/L			10/24/20 02:19	2
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/24/20 02:19	2
1,1-Dichloroethane	**0.60**	**J**	1.0	0.20	ug/L			10/24/20 02:19	2
1,2-Dichloroethane	ND		1.0	0.28	ug/L			10/24/20 02:19	2
1,1-Dichloroethene	**0.57**	**J**	1.0	0.26	ug/L			10/24/20 02:19	2
cis-1,2-Dichloroethene	**130**		1.0	0.36	ug/L			10/24/20 02:19	2
trans-1,2-Dichloroethene	**2.8**		1.0	0.22	ug/L			10/24/20 02:19	2
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/24/20 02:19	2
cis-1,3-Dichloropropene	ND		1.0	0.30	ug/L			10/24/20 02:19	2
trans-1,3-Dichloropropene	ND		1.0	0.32	ug/L			10/24/20 02:19	2
Methylene Chloride	ND		2.0	0.32	ug/L			10/24/20 02:19	2
1,1,2,2-Tetrachloroethane	ND		1.0	0.22	ug/L			10/24/20 02:19	2
Tetrachloroethene	**0.88**	**J**	1.0	0.20	ug/L			10/24/20 02:19	2
1,2,4-Trichlorobenzene	ND		2.0	0.50	ug/L			10/24/20 02:19	2
1,1,1-Trichloroethane	ND		1.0	0.20	ug/L			10/24/20 02:19	2
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			10/24/20 02:19	2
Trichloroethene	**34**		1.0	0.20	ug/L			10/24/20 02:19	2
Trichlorofluoromethane	ND		2.0	0.26	ug/L			10/24/20 02:19	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34	ug/L			10/24/20 02:19	2
Vinyl chloride	**71**		1.0	0.36	ug/L			10/24/20 02:19	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*74 - 120*		*10/24/20 02:19*	*2*
Dibromofluoromethane (Surr)	*97*		*80 - 123*		*10/24/20 02:19*	*2*
1,2-Dichloroethane-d4 (Surr)	*98*		*72 - 123*		*10/24/20 02:19*	*2*
Toluene-d8 (Surr)	*91*		*78 - 120*		*10/24/20 02:19*	*2*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T10C-101420

Lab Sample ID: 320-65718-17

Date Collected: 10/14/20 11:11
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		5.0	1.4	ug/L			10/24/20 04:14	10
Bromoform	ND		10	1.9	ug/L			10/24/20 04:14	10
Bromomethane	ND		10	2.1	ug/L			10/24/20 04:14	10
Carbon tetrachloride	ND		5.0	1.2	ug/L			10/24/20 04:14	10
Chlorobenzene	ND		5.0	0.70	ug/L			10/24/20 04:14	10
Chloroethane	ND		10	2.4	ug/L			10/24/20 04:14	10
Chloroform	ND		10	1.2	ug/L			10/24/20 04:14	10
Chloromethane	ND		10	2.6	ug/L			10/24/20 04:14	10
Chlorodibromomethane	ND		5.0	1.6	ug/L			10/24/20 04:14	10
1,2-Dichlorobenzene	ND		5.0	0.97	ug/L			10/24/20 04:14	10
1,3-Dichlorobenzene	ND		5.0	0.86	ug/L			10/24/20 04:14	10
1,4-Dichlorobenzene	ND		5.0	0.83	ug/L			10/24/20 04:14	10
EDB	ND		5.0	1.2	ug/L			10/24/20 04:14	10
Dichlorodifluoromethane	**11**		10	3.2	ug/L			10/24/20 04:14	10
1,1-Dichloroethane	ND		5.0	1.0	ug/L			10/24/20 04:14	10
1,2-Dichloroethane	ND		5.0	1.4	ug/L			10/24/20 04:14	10
1,1-Dichloroethene	**5.5**		5.0	1.3	ug/L			10/24/20 04:14	10
cis-1,2-Dichloroethene	**680**		5.0	1.8	ug/L			10/24/20 04:14	10
trans-1,2-Dichloroethene	**8.1**		5.0	1.1	ug/L			10/24/20 04:14	10
1,2-Dichloropropane	ND		5.0	1.5	ug/L			10/24/20 04:14	10
cis-1,3-Dichloropropene	ND		5.0	1.5	ug/L			10/24/20 04:14	10
trans-1,3-Dichloropropene	ND		5.0	1.6	ug/L			10/24/20 04:14	10
Methylene Chloride	ND		10	1.6	ug/L			10/24/20 04:14	10
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/24/20 04:14	10
Tetrachloroethene	ND		5.0	1.0	ug/L			10/24/20 04:14	10
1,2,4-Trichlorobenzene	ND		10	2.5	ug/L			10/24/20 04:14	10
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			10/24/20 04:14	10
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/24/20 04:14	10
Trichloroethene	**420**		5.0	1.0	ug/L			10/24/20 04:14	10
Trichlorofluoromethane	ND		10	1.3	ug/L			10/24/20 04:14	10
1,1,2-Trichloro-1,2,2-trifluoroethane	**140**		5.0	1.7	ug/L			10/24/20 04:14	10
Vinyl chloride	**8.3**		5.0	1.8	ug/L			10/24/20 04:14	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*74 - 120*		*10/24/20 04:14*	*10*
Dibromofluoromethane (Surr)	*98*		*80 - 123*		*10/24/20 04:14*	*10*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 123*		*10/24/20 04:14*	*10*
Toluene-d8 (Surr)	*89*		*78 - 120*		*10/24/20 04:14*	*10*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T11C-101420-1

Lab Sample ID: 320-65718-18

Date Collected: 10/14/20 12:15
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		2.0	0.56	ug/L			10/24/20 03:28	4
Bromoform	ND		4.0	0.76	ug/L			10/24/20 03:28	4
Bromomethane	ND		4.0	0.84	ug/L			10/24/20 03:28	4
Carbon tetrachloride	ND		2.0	0.48	ug/L			10/24/20 03:28	4
Chlorobenzene	ND		2.0	0.28	ug/L			10/24/20 03:28	4
Chloroethane	ND		4.0	0.96	ug/L			10/24/20 03:28	4
Chloroform	ND		4.0	0.48	ug/L			10/24/20 03:28	4
Chloromethane	ND		4.0	1.0	ug/L			10/24/20 03:28	4
Chlorodibromomethane	ND		2.0	0.64	ug/L			10/24/20 03:28	4
1,2-Dichlorobenzene	ND		2.0	0.39	ug/L			10/24/20 03:28	4
1,3-Dichlorobenzene	ND		2.0	0.34	ug/L			10/24/20 03:28	4
1,4-Dichlorobenzene	ND		2.0	0.33	ug/L			10/24/20 03:28	4
EDB	ND		2.0	0.48	ug/L			10/24/20 03:28	4
Dichlorodifluoromethane	ND		4.0	1.3	ug/L			10/24/20 03:28	4
1,1-Dichloroethane	ND		2.0	0.40	ug/L			10/24/20 03:28	4
1,2-Dichloroethane	ND		2.0	0.56	ug/L			10/24/20 03:28	4
1,1-Dichloroethene	**2.2**		2.0	0.52	ug/L			10/24/20 03:28	4
cis-1,2-Dichloroethene	**25**		2.0	0.72	ug/L			10/24/20 03:28	4
trans-1,2-Dichloroethene	**0.82**	**J**	2.0	0.44	ug/L			10/24/20 03:28	4
1,2-Dichloropropane	ND		2.0	0.60	ug/L			10/24/20 03:28	4
cis-1,3-Dichloropropene	ND		2.0	0.60	ug/L			10/24/20 03:28	4
trans-1,3-Dichloropropene	ND		2.0	0.64	ug/L			10/24/20 03:28	4
Methylene Chloride	ND		4.0	0.64	ug/L			10/24/20 03:28	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.44	ug/L			10/24/20 03:28	4
Tetrachloroethene	ND		2.0	0.40	ug/L			10/24/20 03:28	4
1,2,4-Trichlorobenzene	ND		4.0	1.0	ug/L			10/24/20 03:28	4
1,1,1-Trichloroethane	ND		2.0	0.40	ug/L			10/24/20 03:28	4
1,1,2-Trichloroethane	ND		2.0	0.48	ug/L			10/24/20 03:28	4
Trichloroethene	**250**		2.0	0.40	ug/L			10/24/20 03:28	4
Trichlorofluoromethane	ND		4.0	0.52	ug/L			10/24/20 03:28	4
1,1,2-Trichloro-1,2,2-trifluoroethane	**7.2**		2.0	0.68	ug/L			10/24/20 03:28	4
Vinyl chloride	**1.5**	**J**	2.0	0.72	ug/L			10/24/20 03:28	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*74 - 120*		*10/24/20 03:28*	*4*
Dibromofluoromethane (Surr)	*97*		*80 - 123*		*10/24/20 03:28*	*4*
1,2-Dichloroethane-d4 (Surr)	*97*		*72 - 123*		*10/24/20 03:28*	*4*
Toluene-d8 (Surr)	*90*		*78 - 120*		*10/24/20 03:28*	*4*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T11C-101420-2

Lab Sample ID: 320-65718-19

Date Collected: 10/14/20 12:20
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		2.0	0.56	ug/L			10/24/20 03:51	4
Bromoform	ND		4.0	0.76	ug/L			10/24/20 03:51	4
Bromomethane	ND		4.0	0.84	ug/L			10/24/20 03:51	4
Carbon tetrachloride	ND		2.0	0.48	ug/L			10/24/20 03:51	4
Chlorobenzene	ND		2.0	0.28	ug/L			10/24/20 03:51	4
Chloroethane	ND		4.0	0.96	ug/L			10/24/20 03:51	4
Chloroform	ND		4.0	0.48	ug/L			10/24/20 03:51	4
Chloromethane	ND		4.0	1.0	ug/L			10/24/20 03:51	4
Chlorodibromomethane	ND		2.0	0.64	ug/L			10/24/20 03:51	4
1,2-Dichlorobenzene	ND		2.0	0.39	ug/L			10/24/20 03:51	4
1,3-Dichlorobenzene	ND		2.0	0.34	ug/L			10/24/20 03:51	4
1,4-Dichlorobenzene	ND		2.0	0.33	ug/L			10/24/20 03:51	4
EDB	ND		2.0	0.48	ug/L			10/24/20 03:51	4
Dichlorodifluoromethane	ND		4.0	1.3	ug/L			10/24/20 03:51	4
1,1-Dichloroethane	ND		2.0	0.40	ug/L			10/24/20 03:51	4
1,2-Dichloroethane	ND		2.0	0.56	ug/L			10/24/20 03:51	4
1,1-Dichloroethene	**2.2**		2.0	0.52	ug/L			10/24/20 03:51	4
cis-1,2-Dichloroethene	**25**		2.0	0.72	ug/L			10/24/20 03:51	4
trans-1,2-Dichloroethene	**0.90**	**J**	2.0	0.44	ug/L			10/24/20 03:51	4
1,2-Dichloropropane	ND		2.0	0.60	ug/L			10/24/20 03:51	4
cis-1,3-Dichloropropene	ND		2.0	0.60	ug/L			10/24/20 03:51	4
trans-1,3-Dichloropropene	ND		2.0	0.64	ug/L			10/24/20 03:51	4
Methylene Chloride	ND		4.0	0.64	ug/L			10/24/20 03:51	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.44	ug/L			10/24/20 03:51	4
Tetrachloroethene	ND		2.0	0.40	ug/L			10/24/20 03:51	4
1,2,4-Trichlorobenzene	ND		4.0	1.0	ug/L			10/24/20 03:51	4
1,1,1-Trichloroethane	ND		2.0	0.40	ug/L			10/24/20 03:51	4
1,1,2-Trichloroethane	ND		2.0	0.48	ug/L			10/24/20 03:51	4
Trichloroethene	**270**		2.0	0.40	ug/L			10/24/20 03:51	4
Trichlorofluoromethane	ND		4.0	0.52	ug/L			10/24/20 03:51	4
1,1,2-Trichloro-1,2,2-trifluoroetha ne	**7.6**		2.0	0.68	ug/L			10/24/20 03:51	4
Vinyl chloride	**1.6**	**J**	2.0	0.72	ug/L			10/24/20 03:51	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*74 - 120*		*10/24/20 03:51*	*4*
Dibromofluoromethane (Surr)	*97*		*80 - 123*		*10/24/20 03:51*	*4*
1,2-Dichloroethane-d4 (Surr)	*97*		*72 - 123*		*10/24/20 03:51*	*4*
Toluene-d8 (Surr)	*88*		*78 - 120*		*10/24/20 03:51*	*4*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T12C-101420

Lab Sample ID: 320-65718-20

Date Collected: 10/14/20 14:08
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		1.0	0.28	ug/L			10/24/20 02:42	2
Bromoform	ND		2.0	0.38	ug/L			10/24/20 02:42	2
Bromomethane	ND		2.0	0.42	ug/L			10/24/20 02:42	2
Carbon tetrachloride	ND		1.0	0.24	ug/L			10/24/20 02:42	2
Chlorobenzene	ND		1.0	0.14	ug/L			10/24/20 02:42	2
Chloroethane	ND		2.0	0.48	ug/L			10/24/20 02:42	2
Chloroform	ND		2.0	0.24	ug/L			10/24/20 02:42	2
Chloromethane	ND		2.0	0.52	ug/L			10/24/20 02:42	2
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/24/20 02:42	2
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			10/24/20 02:42	2
1,3-Dichlorobenzene	ND		1.0	0.17	ug/L			10/24/20 02:42	2
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			10/24/20 02:42	2
EDB	ND		1.0	0.24	ug/L			10/24/20 02:42	2
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/24/20 02:42	2
1,1-Dichloroethane	ND		1.0	0.20	ug/L			10/24/20 02:42	2
1,2-Dichloroethane	ND		1.0	0.28	ug/L			10/24/20 02:42	2
1,1-Dichloroethene	**1.5**		1.0	0.26	ug/L			10/24/20 02:42	2
cis-1,2-Dichloroethene	**23**		1.0	0.36	ug/L			10/24/20 02:42	2
trans-1,2-Dichloroethene	**1.0**		1.0	0.22	ug/L			10/24/20 02:42	2
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/24/20 02:42	2
cis-1,3-Dichloropropene	ND		1.0	0.30	ug/L			10/24/20 02:42	2
trans-1,3-Dichloropropene	ND		1.0	0.32	ug/L			10/24/20 02:42	2
Methylene Chloride	ND		2.0	0.32	ug/L			10/24/20 02:42	2
1,1,2,2-Tetrachloroethane	ND		1.0	0.22	ug/L			10/24/20 02:42	2
Tetrachloroethene	ND		1.0	0.20	ug/L			10/24/20 02:42	2
1,2,4-Trichlorobenzene	ND		2.0	0.50	ug/L			10/24/20 02:42	2
1,1,1-Trichloroethane	ND		1.0	0.20	ug/L			10/24/20 02:42	2
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			10/24/20 02:42	2
Trichloroethene	**120**		1.0	0.20	ug/L			10/24/20 02:42	2
Trichlorofluoromethane	ND		2.0	0.26	ug/L			10/24/20 02:42	2
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.6**		1.0	0.34	ug/L			10/24/20 02:42	2
Vinyl chloride	ND		1.0	0.36	ug/L			10/24/20 02:42	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*74 - 120*		*10/24/20 02:42*	*2*
Dibromofluoromethane (Surr)	*97*		*80 - 123*		*10/24/20 02:42*	*2*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 123*		*10/24/20 02:42*	*2*
Toluene-d8 (Surr)	*91*		*78 - 120*		*10/24/20 02:42*	*2*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T13A-101420

Lab Sample ID: 320-65718-21

Date Collected: 10/14/20 15:20
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		1.0	0.28	ug/L			10/24/20 03:05	2
Bromoform	ND		2.0	0.38	ug/L			10/24/20 03:05	2
Bromomethane	ND		2.0	0.42	ug/L			10/24/20 03:05	2
Carbon tetrachloride	ND		1.0	0.24	ug/L			10/24/20 03:05	2
Chlorobenzene	ND		1.0	0.14	ug/L			10/24/20 03:05	2
Chloroethane	ND		2.0	0.48	ug/L			10/24/20 03:05	2
Chloroform	ND		2.0	0.24	ug/L			10/24/20 03:05	2
Chloromethane	ND		2.0	0.52	ug/L			10/24/20 03:05	2
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/24/20 03:05	2
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			10/24/20 03:05	2
1,3-Dichlorobenzene	ND		1.0	0.17	ug/L			10/24/20 03:05	2
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			10/24/20 03:05	2
EDB	ND		1.0	0.24	ug/L			10/24/20 03:05	2
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/24/20 03:05	2
1,1-Dichloroethane	**0.27**	**J**	1.0	0.20	ug/L			10/24/20 03:05	2
1,2-Dichloroethane	ND		1.0	0.28	ug/L			10/24/20 03:05	2
1,1-Dichloroethene	**0.32**	**J**	1.0	0.26	ug/L			10/24/20 03:05	2
cis-1,2-Dichloroethene	**76**		1.0	0.36	ug/L			10/24/20 03:05	2
trans-1,2-Dichloroethene	**1.9**		1.0	0.22	ug/L			10/24/20 03:05	2
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/24/20 03:05	2
cis-1,3-Dichloropropene	ND		1.0	0.30	ug/L			10/24/20 03:05	2
trans-1,3-Dichloropropene	ND		1.0	0.32	ug/L			10/24/20 03:05	2
Methylene Chloride	ND		2.0	0.32	ug/L			10/24/20 03:05	2
1,1,2,2-Tetrachloroethane	ND		1.0	0.22	ug/L			10/24/20 03:05	2
Tetrachloroethene	**0.57**	**J**	1.0	0.20	ug/L			10/24/20 03:05	2
1,2,4-Trichlorobenzene	ND		2.0	0.50	ug/L			10/24/20 03:05	2
1,1,1-Trichloroethane	ND		1.0	0.20	ug/L			10/24/20 03:05	2
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			10/24/20 03:05	2
Trichloroethene	**57**		1.0	0.20	ug/L			10/24/20 03:05	2
Trichlorofluoromethane	ND		2.0	0.26	ug/L			10/24/20 03:05	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34	ug/L			10/24/20 03:05	2
Vinyl chloride	**8.5**		1.0	0.36	ug/L			10/24/20 03:05	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*74 - 120*		*10/24/20 03:05*	*2*
Dibromofluoromethane (Surr)	*95*		*80 - 123*		*10/24/20 03:05*	*2*
1,2-Dichloroethane-d4 (Surr)	*95*		*72 - 123*		*10/24/20 03:05*	*2*
Toluene-d8 (Surr)	*90*		*78 - 120*		*10/24/20 03:05*	*2*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T18B-101420

Lab Sample ID: 320-65718-22

Date Collected: 10/14/20 13:57
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		0.50	0.14	ug/L			10/23/20 22:29	1
Bromoform	ND		1.0	0.19	ug/L			10/23/20 22:29	1
Bromomethane	ND		1.0	0.21	ug/L			10/23/20 22:29	1
Carbon tetrachloride	ND		0.50	0.12	ug/L			10/23/20 22:29	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/23/20 22:29	1
Chloroethane	ND		1.0	0.24	ug/L			10/23/20 22:29	1
Chloroform	ND		1.0	0.12	ug/L			10/23/20 22:29	1
Chloromethane	ND		1.0	0.26	ug/L			10/23/20 22:29	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			10/23/20 22:29	1
1,2-Dichlorobenzene	ND		0.50	0.097	ug/L			10/23/20 22:29	1
1,3-Dichlorobenzene	ND		0.50	0.086	ug/L			10/23/20 22:29	1
1,4-Dichlorobenzene	ND		0.50	0.083	ug/L			10/23/20 22:29	1
EDB	ND		0.50	0.12	ug/L			10/23/20 22:29	1
Dichlorodifluoromethane	ND		1.0	0.32	ug/L			10/23/20 22:29	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/23/20 22:29	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			10/23/20 22:29	1
1,1-Dichloroethene	ND		0.50	0.13	ug/L			10/23/20 22:29	1
cis-1,2-Dichloroethene	ND		0.50	0.18	ug/L			10/23/20 22:29	1
trans-1,2-Dichloroethene	ND		0.50	0.11	ug/L			10/23/20 22:29	1
1,2-Dichloropropane	ND		0.50	0.15	ug/L			10/23/20 22:29	1
cis-1,3-Dichloropropene	ND		0.50	0.15	ug/L			10/23/20 22:29	1
trans-1,3-Dichloropropene	ND		0.50	0.16	ug/L			10/23/20 22:29	1
Methylene Chloride	ND		1.0	0.16	ug/L			10/23/20 22:29	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ug/L			10/23/20 22:29	1
Tetrachloroethene	ND		0.50	0.10	ug/L			10/23/20 22:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			10/23/20 22:29	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			10/23/20 22:29	1
1,1,2-Trichloroethane	ND		0.50	0.12	ug/L			10/23/20 22:29	1
Trichloroethene	ND		0.50	0.10	ug/L			10/23/20 22:29	1
Trichlorofluoromethane	ND		1.0	0.13	ug/L			10/23/20 22:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			10/23/20 22:29	1
Vinyl chloride	ND		0.50	0.18	ug/L			10/23/20 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*74 - 120*		*10/23/20 22:29*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 123*		*10/23/20 22:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*72 - 123*		*10/23/20 22:29*	*1*
Toluene-d8 (Surr)	*91*		*78 - 120*		*10/23/20 22:29*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T20B-101420

Lab Sample ID: 320-65718-23

Date Collected: 10/14/20 14:42
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		0.50	0.14	ug/L			10/22/20 00:50	1
Bromoform	ND		1.0	0.19	ug/L			10/22/20 00:50	1
Bromomethane	ND		1.0	0.21	ug/L			10/22/20 00:50	1
Carbon tetrachloride	ND		0.50	0.12	ug/L			10/22/20 00:50	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/22/20 00:50	1
Chloroethane	ND		1.0	0.24	ug/L			10/22/20 00:50	1
Chloroform	ND		1.0	0.12	ug/L			10/22/20 00:50	1
Chloromethane	ND		1.0	0.26	ug/L			10/22/20 00:50	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			10/22/20 00:50	1
1,2-Dichlorobenzene	ND		0.50	0.097	ug/L			10/22/20 00:50	1
1,3-Dichlorobenzene	ND		0.50	0.086	ug/L			10/22/20 00:50	1
1,4-Dichlorobenzene	ND		0.50	0.083	ug/L			10/22/20 00:50	1
EDB	ND		0.50	0.12	ug/L			10/22/20 00:50	1
Dichlorodifluoromethane	ND		1.0	0.32	ug/L			10/22/20 00:50	1
1,1-Dichloroethane	**0.72**		0.50	0.10	ug/L			10/22/20 00:50	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			10/22/20 00:50	1
1,1-Dichloroethene	**2.6**		0.50	0.13	ug/L			10/22/20 00:50	1
trans-1,2-Dichloroethene	**3.7**		0.50	0.11	ug/L			10/22/20 00:50	1
1,2-Dichloropropane	ND		0.50	0.15	ug/L			10/22/20 00:50	1
cis-1,3-Dichloropropene	ND		0.50	0.15	ug/L			10/22/20 00:50	1
trans-1,3-Dichloropropene	ND		0.50	0.16	ug/L			10/22/20 00:50	1
Methylene Chloride	ND		1.0	0.16	ug/L			10/22/20 00:50	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ug/L			10/22/20 00:50	1
Tetrachloroethene	ND		0.50	0.10	ug/L			10/22/20 00:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			10/22/20 00:50	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			10/22/20 00:50	1
1,1,2-Trichloroethane	ND		0.50	0.12	ug/L			10/22/20 00:50	1
Trichlorofluoromethane	ND		1.0	0.13	ug/L			10/22/20 00:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.4**		0.50	0.17	ug/L			10/22/20 00:50	1
Vinyl chloride	**23**		0.50	0.18	ug/L			10/22/20 00:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*74 - 120*		*10/22/20 00:50*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 123*		*10/22/20 00:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 123*		*10/22/20 00:50*	*1*
Toluene-d8 (Surr)	*89*		*78 - 120*		*10/22/20 00:50*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**250**		5.0	1.8	ug/L			10/23/20 06:11	10
Trichloroethene	**230**		5.0	1.0	ug/L			10/23/20 06:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*74 - 120*		*10/23/20 06:11*	*10*
Dibromofluoromethane (Surr)	*98*		*80 - 123*		*10/23/20 06:11*	*10*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 123*		*10/23/20 06:11*	*10*
Toluene-d8 (Surr)	*92*		*78 - 120*		*10/23/20 06:11*	*10*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T19A-101420

Lab Sample ID: 320-65718-24

Date Collected: 10/14/20 15:24
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		0.50	0.14	ug/L			10/23/20 01:58	1
Bromoform	ND		1.0	0.19	ug/L			10/23/20 01:58	1
Bromomethane	ND		1.0	0.21	ug/L			10/23/20 01:58	1
Carbon tetrachloride	ND		0.50	0.12	ug/L			10/23/20 01:58	1
Chlorobenzene	**0.37**	**J**	0.50	0.070	ug/L			10/23/20 01:58	1
Chloroethane	ND		1.0	0.24	ug/L			10/23/20 01:58	1
Chloroform	ND		1.0	0.12	ug/L			10/23/20 01:58	1
Chloromethane	ND		1.0	0.26	ug/L			10/23/20 01:58	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			10/23/20 01:58	1
1,2-Dichlorobenzene	**1.2**		0.50	0.097	ug/L			10/23/20 01:58	1
1,3-Dichlorobenzene	ND		0.50	0.086	ug/L			10/23/20 01:58	1
1,4-Dichlorobenzene	ND		0.50	0.083	ug/L			10/23/20 01:58	1
EDB	ND		0.50	0.12	ug/L			10/23/20 01:58	1
Dichlorodifluoromethane	ND		1.0	0.32	ug/L			10/23/20 01:58	1
1,1-Dichloroethane	**0.41**	**J**	0.50	0.10	ug/L			10/23/20 01:58	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			10/23/20 01:58	1
1,1-Dichloroethene	ND		0.50	0.13	ug/L			10/23/20 01:58	1
cis-1,2-Dichloroethene	**7.9**		0.50	0.18	ug/L			10/23/20 01:58	1
trans-1,2-Dichloroethene	**1.4**		0.50	0.11	ug/L			10/23/20 01:58	1
1,2-Dichloropropane	ND		0.50	0.15	ug/L			10/23/20 01:58	1
cis-1,3-Dichloropropene	ND		0.50	0.15	ug/L			10/23/20 01:58	1
trans-1,3-Dichloropropene	ND		0.50	0.16	ug/L			10/23/20 01:58	1
Methylene Chloride	ND		1.0	0.16	ug/L			10/23/20 01:58	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ug/L			10/23/20 01:58	1
Tetrachloroethene	ND		0.50	0.10	ug/L			10/23/20 01:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			10/23/20 01:58	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			10/23/20 01:58	1
1,1,2-Trichloroethane	ND		0.50	0.12	ug/L			10/23/20 01:58	1
Trichloroethene	**0.16**	**J**	0.50	0.10	ug/L			10/23/20 01:58	1
Trichlorofluoromethane	ND		1.0	0.13	ug/L			10/23/20 01:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			10/23/20 01:58	1
Vinyl chloride	**30**		0.50	0.18	ug/L			10/23/20 01:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*74 - 120*		*10/23/20 01:58*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 123*		*10/23/20 01:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 123*		*10/23/20 01:58*	*1*
Toluene-d8 (Surr)	*91*		*78 - 120*		*10/23/20 01:58*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T14A-101520

Lab Sample ID: 320-65718-25

Date Collected: 10/15/20 14:00
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		0.50	0.14	ug/L			10/22/20 01:36	1
Bromoform	ND		1.0	0.19	ug/L			10/22/20 01:36	1
Bromomethane	ND		1.0	0.21	ug/L			10/22/20 01:36	1
Carbon tetrachloride	ND		0.50	0.12	ug/L			10/22/20 01:36	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/22/20 01:36	1
Chloroethane	ND		1.0	0.24	ug/L			10/22/20 01:36	1
Chloroform	ND		1.0	0.12	ug/L			10/22/20 01:36	1
Chloromethane	ND		1.0	0.26	ug/L			10/22/20 01:36	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			10/22/20 01:36	1
1,2-Dichlorobenzene	**1.6**		0.50	0.097	ug/L			10/22/20 01:36	1
1,3-Dichlorobenzene	ND		0.50	0.086	ug/L			10/22/20 01:36	1
1,4-Dichlorobenzene	**0.11**	**J**	0.50	0.083	ug/L			10/22/20 01:36	1
EDB	ND		0.50	0.12	ug/L			10/22/20 01:36	1
Dichlorodifluoromethane	ND		1.0	0.32	ug/L			10/22/20 01:36	1
1,1-Dichloroethane	**0.40**	**J**	0.50	0.10	ug/L			10/22/20 01:36	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			10/22/20 01:36	1
1,1-Dichloroethene	**0.33**	**J**	0.50	0.13	ug/L			10/22/20 01:36	1
cis-1,2-Dichloroethene	**50**		0.50	0.18	ug/L			10/22/20 01:36	1
trans-1,2-Dichloroethene	**1.9**		0.50	0.11	ug/L			10/22/20 01:36	1
1,2-Dichloropropane	ND		0.50	0.15	ug/L			10/22/20 01:36	1
cis-1,3-Dichloropropene	ND		0.50	0.15	ug/L			10/22/20 01:36	1
trans-1,3-Dichloropropene	ND		0.50	0.16	ug/L			10/22/20 01:36	1
Methylene Chloride	ND		1.0	0.16	ug/L			10/22/20 01:36	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ug/L			10/22/20 01:36	1
Tetrachloroethene	**0.76**		0.50	0.10	ug/L			10/22/20 01:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			10/22/20 01:36	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			10/22/20 01:36	1
1,1,2-Trichloroethane	ND		0.50	0.12	ug/L			10/22/20 01:36	1
Trichloroethene	**39**		0.50	0.10	ug/L			10/22/20 01:36	1
Trichlorofluoromethane	ND		1.0	0.13	ug/L			10/22/20 01:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			10/22/20 01:36	1
Vinyl chloride	**20**		0.50	0.18	ug/L			10/22/20 01:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*74 - 120*		*10/22/20 01:36*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 123*		*10/22/20 01:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 123*		*10/22/20 01:36*	*1*
Toluene-d8 (Surr)	*88*		*78 - 120*		*10/22/20 01:36*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T15A-101520

Lab Sample ID: 320-65718-26

Date Collected: 10/15/20 08:45
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		0.50	0.14	ug/L			10/22/20 01:59	1
Bromoform	ND		1.0	0.19	ug/L			10/22/20 01:59	1
Bromomethane	ND		1.0	0.21	ug/L			10/22/20 01:59	1
Carbon tetrachloride	ND		0.50	0.12	ug/L			10/22/20 01:59	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/22/20 01:59	1
Chloroethane	ND		1.0	0.24	ug/L			10/22/20 01:59	1
Chloroform	**0.16**	**J**	1.0	0.12	ug/L			10/22/20 01:59	1
Chloromethane	ND		1.0	0.26	ug/L			10/22/20 01:59	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			10/22/20 01:59	1
1,2-Dichlorobenzene	**1.0**		0.50	0.097	ug/L			10/22/20 01:59	1
1,3-Dichlorobenzene	ND		0.50	0.086	ug/L			10/22/20 01:59	1
1,4-Dichlorobenzene	ND		0.50	0.083	ug/L			10/22/20 01:59	1
EDB	ND		0.50	0.12	ug/L			10/22/20 01:59	1
Dichlorodifluoromethane	ND		1.0	0.32	ug/L			10/22/20 01:59	1
1,1-Dichloroethane	**0.37**	**J**	0.50	0.10	ug/L			10/22/20 01:59	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			10/22/20 01:59	1
1,1-Dichloroethene	**0.55**		0.50	0.13	ug/L			10/22/20 01:59	1
cis-1,2-Dichloroethene	**67**		0.50	0.18	ug/L			10/22/20 01:59	1
trans-1,2-Dichloroethene	**2.3**		0.50	0.11	ug/L			10/22/20 01:59	1
1,2-Dichloropropane	ND		0.50	0.15	ug/L			10/22/20 01:59	1
cis-1,3-Dichloropropene	ND		0.50	0.15	ug/L			10/22/20 01:59	1
trans-1,3-Dichloropropene	ND		0.50	0.16	ug/L			10/22/20 01:59	1
Methylene Chloride	ND		1.0	0.16	ug/L			10/22/20 01:59	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ug/L			10/22/20 01:59	1
Tetrachloroethene	**1.5**		0.50	0.10	ug/L			10/22/20 01:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			10/22/20 01:59	1
1,1,1-Trichloroethane	**0.18**	**J**	0.50	0.10	ug/L			10/22/20 01:59	1
1,1,2-Trichloroethane	ND		0.50	0.12	ug/L			10/22/20 01:59	1
Trichlorofluoromethane	ND		1.0	0.13	ug/L			10/22/20 01:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.19**	**J**	0.50	0.17	ug/L			10/22/20 01:59	1
Vinyl chloride	ND		0.50	0.18	ug/L			10/22/20 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*74 - 120*		*10/22/20 01:59*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 123*		*10/22/20 01:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 123*		*10/22/20 01:59*	*1*
Toluene-d8 (Surr)	*90*		*78 - 120*		*10/22/20 01:59*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**58**		1.0	0.20	ug/L			10/23/20 04:39	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*74 - 120*		*10/23/20 04:39*	*2*
Dibromofluoromethane (Surr)	*97*		*80 - 123*		*10/23/20 04:39*	*2*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 123*		*10/23/20 04:39*	*2*
Toluene-d8 (Surr)	*91*		*78 - 120*		*10/23/20 04:39*	*2*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T16A-101520

Lab Sample ID: 320-65718-27

Date Collected: 10/15/20 09:40
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		0.50	0.14	ug/L			10/22/20 02:22	1
Bromoform	ND		1.0	0.19	ug/L			10/22/20 02:22	1
Bromomethane	ND		1.0	0.21	ug/L			10/22/20 02:22	1
Carbon tetrachloride	ND		0.50	0.12	ug/L			10/22/20 02:22	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/22/20 02:22	1
Chloroethane	ND		1.0	0.24	ug/L			10/22/20 02:22	1
Chloroform	**0.12**	**J**	1.0	0.12	ug/L			10/22/20 02:22	1
Chloromethane	ND		1.0	0.26	ug/L			10/22/20 02:22	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			10/22/20 02:22	1
1,2-Dichlorobenzene	**0.95**		0.50	0.097	ug/L			10/22/20 02:22	1
1,3-Dichlorobenzene	ND		0.50	0.086	ug/L			10/22/20 02:22	1
1,4-Dichlorobenzene	ND		0.50	0.083	ug/L			10/22/20 02:22	1
EDB	ND		0.50	0.12	ug/L			10/22/20 02:22	1
Dichlorodifluoromethane	ND		1.0	0.32	ug/L			10/22/20 02:22	1
1,1-Dichloroethane	**0.29**	**J**	0.50	0.10	ug/L			10/22/20 02:22	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			10/22/20 02:22	1
1,1-Dichloroethene	**0.35**	**J**	0.50	0.13	ug/L			10/22/20 02:22	1
cis-1,2-Dichloroethene	**63**		0.50	0.18	ug/L			10/22/20 02:22	1
trans-1,2-Dichloroethene	**1.9**		0.50	0.11	ug/L			10/22/20 02:22	1
1,2-Dichloropropane	ND		0.50	0.15	ug/L			10/22/20 02:22	1
cis-1,3-Dichloropropene	ND		0.50	0.15	ug/L			10/22/20 02:22	1
trans-1,3-Dichloropropene	ND		0.50	0.16	ug/L			10/22/20 02:22	1
Methylene Chloride	ND		1.0	0.16	ug/L			10/22/20 02:22	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ug/L			10/22/20 02:22	1
Tetrachloroethene	**0.95**		0.50	0.10	ug/L			10/22/20 02:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			10/22/20 02:22	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			10/22/20 02:22	1
1,1,2-Trichloroethane	ND		0.50	0.12	ug/L			10/22/20 02:22	1
Trichloroethene	**54**		0.50	0.10	ug/L			10/22/20 02:22	1
Trichlorofluoromethane	ND		1.0	0.13	ug/L			10/22/20 02:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			10/22/20 02:22	1
Vinyl chloride	ND		0.50	0.18	ug/L			10/22/20 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*74 - 120*		*10/22/20 02:22*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 123*		*10/22/20 02:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 123*		*10/22/20 02:22*	*1*
Toluene-d8 (Surr)	*92*		*78 - 120*		*10/22/20 02:22*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T17A-101520

Lab Sample ID: 320-65718-29

Date Collected: 10/15/20 10:55
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		0.50	0.14	ug/L			10/22/20 02:45	1
Bromoform	ND		1.0	0.19	ug/L			10/22/20 02:45	1
Bromomethane	ND		1.0	0.21	ug/L			10/22/20 02:45	1
Carbon tetrachloride	ND		0.50	0.12	ug/L			10/22/20 02:45	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/22/20 02:45	1
Chloroethane	ND		1.0	0.24	ug/L			10/22/20 02:45	1
Chloroform	**0.57**	**J**	1.0	0.12	ug/L			10/22/20 02:45	1
Chloromethane	ND		1.0	0.26	ug/L			10/22/20 02:45	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			10/22/20 02:45	1
1,2-Dichlorobenzene	ND		0.50	0.097	ug/L			10/22/20 02:45	1
1,3-Dichlorobenzene	ND		0.50	0.086	ug/L			10/22/20 02:45	1
1,4-Dichlorobenzene	ND		0.50	0.083	ug/L			10/22/20 02:45	1
EDB	ND		0.50	0.12	ug/L			10/22/20 02:45	1
Dichlorodifluoromethane	ND		1.0	0.32	ug/L			10/22/20 02:45	1
1,1-Dichloroethane	**0.18**	**J**	0.50	0.10	ug/L			10/22/20 02:45	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			10/22/20 02:45	1
1,1-Dichloroethene	ND		0.50	0.13	ug/L			10/22/20 02:45	1
cis-1,2-Dichloroethene	**11**		0.50	0.18	ug/L			10/22/20 02:45	1
trans-1,2-Dichloroethene	**0.69**		0.50	0.11	ug/L			10/22/20 02:45	1
1,2-Dichloropropane	ND		0.50	0.15	ug/L			10/22/20 02:45	1
cis-1,3-Dichloropropene	ND		0.50	0.15	ug/L			10/22/20 02:45	1
trans-1,3-Dichloropropene	ND		0.50	0.16	ug/L			10/22/20 02:45	1
Methylene Chloride	ND		1.0	0.16	ug/L			10/22/20 02:45	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ug/L			10/22/20 02:45	1
Tetrachloroethene	**0.97**		0.50	0.10	ug/L			10/22/20 02:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			10/22/20 02:45	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			10/22/20 02:45	1
1,1,2-Trichloroethane	ND		0.50	0.12	ug/L			10/22/20 02:45	1
Trichloroethene	**51**		0.50	0.10	ug/L			10/22/20 02:45	1
Trichlorofluoromethane	ND		1.0	0.13	ug/L			10/22/20 02:45	1
1,1,2-Trichloro-1,2,2-trifluoroetha ne	**0.42**	**J**	0.50	0.17	ug/L			10/22/20 02:45	1
Vinyl chloride	**1.4**		0.50	0.18	ug/L			10/22/20 02:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*74 - 120*		*10/22/20 02:45*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 123*		*10/22/20 02:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 123*		*10/22/20 02:45*	*1*
Toluene-d8 (Surr)	*89*		*78 - 120*		*10/22/20 02:45*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T17B-101520

Lab Sample ID: 320-65718-30

Date Collected: 10/15/20 11:50
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		2.0	0.56	ug/L			10/22/20 05:28	4
Bromoform	ND		4.0	0.76	ug/L			10/22/20 05:28	4
Bromomethane	ND		4.0	0.84	ug/L			10/22/20 05:28	4
Carbon tetrachloride	ND		2.0	0.48	ug/L			10/22/20 05:28	4
Chlorobenzene	ND		2.0	0.28	ug/L			10/22/20 05:28	4
Chloroethane	ND		4.0	0.96	ug/L			10/22/20 05:28	4
Chloroform	ND		4.0	0.48	ug/L			10/22/20 05:28	4
Chloromethane	ND		4.0	1.0	ug/L			10/22/20 05:28	4
Chlorodibromomethane	ND		2.0	0.64	ug/L			10/22/20 05:28	4
1,2-Dichlorobenzene	ND		2.0	0.39	ug/L			10/22/20 05:28	4
1,3-Dichlorobenzene	ND		2.0	0.34	ug/L			10/22/20 05:28	4
1,4-Dichlorobenzene	ND		2.0	0.33	ug/L			10/22/20 05:28	4
EDB	ND		2.0	0.48	ug/L			10/22/20 05:28	4
Dichlorodifluoromethane	ND		4.0	1.3	ug/L			10/22/20 05:28	4
1,1-Dichloroethane	ND		2.0	0.40	ug/L			10/22/20 05:28	4
1,2-Dichloroethane	ND		2.0	0.56	ug/L			10/22/20 05:28	4
1,1-Dichloroethene	**0.64**	**J**	2.0	0.52	ug/L			10/22/20 05:28	4
cis-1,2-Dichloroethene	**230**		2.0	0.72	ug/L			10/22/20 05:28	4
trans-1,2-Dichloroethene	**1.3**	**J**	2.0	0.44	ug/L			10/22/20 05:28	4
1,2-Dichloropropane	ND		2.0	0.60	ug/L			10/22/20 05:28	4
cis-1,3-Dichloropropene	ND		2.0	0.60	ug/L			10/22/20 05:28	4
trans-1,3-Dichloropropene	ND		2.0	0.64	ug/L			10/22/20 05:28	4
Methylene Chloride	ND		4.0	0.64	ug/L			10/22/20 05:28	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.44	ug/L			10/22/20 05:28	4
Tetrachloroethene	**0.46**	**J**	2.0	0.40	ug/L			10/22/20 05:28	4
1,2,4-Trichlorobenzene	ND		4.0	1.0	ug/L			10/22/20 05:28	4
1,1,1-Trichloroethane	ND		2.0	0.40	ug/L			10/22/20 05:28	4
1,1,2-Trichloroethane	ND		2.0	0.48	ug/L			10/22/20 05:28	4
Trichloroethene	**160**		2.0	0.40	ug/L			10/22/20 05:28	4
Trichlorofluoromethane	ND		4.0	0.52	ug/L			10/22/20 05:28	4
1,1,2-Trichloro-1,2,2-trifluoroethane	**5.7**		2.0	0.68	ug/L			10/22/20 05:28	4
Vinyl chloride	ND		2.0	0.72	ug/L			10/22/20 05:28	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*74 - 120*		*10/22/20 05:28*	*4*
Dibromofluoromethane (Surr)	*97*		*80 - 123*		*10/22/20 05:28*	*4*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 123*		*10/22/20 05:28*	*4*
Toluene-d8 (Surr)	*90*		*78 - 120*		*10/22/20 05:28*	*4*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T19B-101520

Lab Sample ID: 320-65718-31

Date Collected: 10/15/20 08:14
Matrix: Water
Date Received: 10/17/20 10:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		0.50	0.14	ug/L			10/22/20 03:09	1
Bromoform	ND		1.0	0.19	ug/L			10/22/20 03:09	1
Bromomethane	ND		1.0	0.21	ug/L			10/22/20 03:09	1
Carbon tetrachloride	ND		0.50	0.12	ug/L			10/22/20 03:09	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/22/20 03:09	1
Chloroethane	ND		1.0	0.24	ug/L			10/22/20 03:09	1
Chloroform	ND		1.0	0.12	ug/L			10/22/20 03:09	1
Chloromethane	ND		1.0	0.26	ug/L			10/22/20 03:09	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			10/22/20 03:09	1
1,2-Dichlorobenzene	ND		0.50	0.097	ug/L			10/22/20 03:09	1
1,3-Dichlorobenzene	ND		0.50	0.086	ug/L			10/22/20 03:09	1
1,4-Dichlorobenzene	ND		0.50	0.083	ug/L			10/22/20 03:09	1
EDB	ND		0.50	0.12	ug/L			10/22/20 03:09	1
Dichlorodifluoromethane	ND		1.0	0.32	ug/L			10/22/20 03:09	1
1,1-Dichloroethane	**0.23**	**J**	0.50	0.10	ug/L			10/22/20 03:09	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			10/22/20 03:09	1
1,1-Dichloroethene	ND		0.50	0.13	ug/L			10/22/20 03:09	1
cis-1,2-Dichloroethene	**1.4**		0.50	0.18	ug/L			10/22/20 03:09	1
trans-1,2-Dichloroethene	ND		0.50	0.11	ug/L			10/22/20 03:09	1
1,2-Dichloropropane	ND		0.50	0.15	ug/L			10/22/20 03:09	1
cis-1,3-Dichloropropene	ND		0.50	0.15	ug/L			10/22/20 03:09	1
trans-1,3-Dichloropropene	ND		0.50	0.16	ug/L			10/22/20 03:09	1
Methylene Chloride	ND		1.0	0.16	ug/L			10/22/20 03:09	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ug/L			10/22/20 03:09	1
Tetrachloroethene	ND		0.50	0.10	ug/L			10/22/20 03:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			10/22/20 03:09	1
1,1,1-Trichloroethane	**0.20**	**J**	0.50	0.10	ug/L			10/22/20 03:09	1
1,1,2-Trichloroethane	ND		0.50	0.12	ug/L			10/22/20 03:09	1
Trichloroethene	**53**		0.50	0.10	ug/L			10/22/20 03:09	1
Trichlorofluoromethane	ND		1.0	0.13	ug/L			10/22/20 03:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.0**		0.50	0.17	ug/L			10/22/20 03:09	1
Vinyl chloride	ND		0.50	0.18	ug/L			10/22/20 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*74 - 120*		*10/22/20 03:09*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 123*		*10/22/20 03:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 123*		*10/22/20 03:09*	*1*
Toluene-d8 (Surr)	*91*		*78 - 120*		*10/22/20 03:09*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T21B-101520

Lab Sample ID: 320-65718-32

Date Collected: 10/15/20 13:46
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		2.5	0.70	ug/L			10/22/20 06:15	5
Bromoform	ND		5.0	0.95	ug/L			10/22/20 06:15	5
Bromomethane	ND		5.0	1.1	ug/L			10/22/20 06:15	5
Carbon tetrachloride	ND		2.5	0.60	ug/L			10/22/20 06:15	5
Chlorobenzene	ND		2.5	0.35	ug/L			10/22/20 06:15	5
Chloroethane	ND		5.0	1.2	ug/L			10/22/20 06:15	5
Chloroform	ND		5.0	0.60	ug/L			10/22/20 06:15	5
Chloromethane	ND		5.0	1.3	ug/L			10/22/20 06:15	5
Chlorodibromomethane	ND		2.5	0.80	ug/L			10/22/20 06:15	5
1,2-Dichlorobenzene	ND		2.5	0.49	ug/L			10/22/20 06:15	5
1,3-Dichlorobenzene	ND		2.5	0.43	ug/L			10/22/20 06:15	5
1,4-Dichlorobenzene	ND		2.5	0.42	ug/L			10/22/20 06:15	5
EDB	ND		2.5	0.60	ug/L			10/22/20 06:15	5
Dichlorodifluoromethane	ND		5.0	1.6	ug/L			10/22/20 06:15	5
1,1-Dichloroethane	ND		2.5	0.50	ug/L			10/22/20 06:15	5
1,2-Dichloroethane	ND		2.5	0.70	ug/L			10/22/20 06:15	5
1,1-Dichloroethene	**1.4**	**J**	2.5	0.65	ug/L			10/22/20 06:15	5
cis-1,2-Dichloroethene	**270**		2.5	0.90	ug/L			10/22/20 06:15	5
trans-1,2-Dichloroethene	**2.0**	**J**	2.5	0.55	ug/L			10/22/20 06:15	5
1,2-Dichloropropane	ND		2.5	0.75	ug/L			10/22/20 06:15	5
cis-1,3-Dichloropropene	ND		2.5	0.75	ug/L			10/22/20 06:15	5
trans-1,3-Dichloropropene	ND		2.5	0.80	ug/L			10/22/20 06:15	5
Methylene Chloride	ND		5.0	0.80	ug/L			10/22/20 06:15	5
1,1,2,2-Tetrachloroethane	ND		2.5	0.55	ug/L			10/22/20 06:15	5
Tetrachloroethene	ND		2.5	0.50	ug/L			10/22/20 06:15	5
1,2,4-Trichlorobenzene	ND		5.0	1.3	ug/L			10/22/20 06:15	5
1,1,1-Trichloroethane	ND		2.5	0.50	ug/L			10/22/20 06:15	5
1,1,2-Trichloroethane	ND		2.5	0.60	ug/L			10/22/20 06:15	5
Trichloroethene	**350**		2.5	0.50	ug/L			10/22/20 06:15	5
Trichlorofluoromethane	ND		5.0	0.65	ug/L			10/22/20 06:15	5
1,1,2-Trichloro-1,2,2-trifluoroethane	**14**		2.5	0.85	ug/L			10/22/20 06:15	5
Vinyl chloride	ND		2.5	0.90	ug/L			10/22/20 06:15	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*74 - 120*		*10/22/20 06:15*	*5*
Dibromofluoromethane (Surr)	*101*		*80 - 123*		*10/22/20 06:15*	*5*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 123*		*10/22/20 06:15*	*5*
Toluene-d8 (Surr)	*89*		*78 - 120*		*10/22/20 06:15*	*5*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T22B-101520

Lab Sample ID: 320-65718-33

Date Collected: 10/15/20 11:45
Matrix: Water
Date Received: 10/17/20 10:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		1.0	0.28	ug/L			10/22/20 04:18	2
Bromoform	ND		2.0	0.38	ug/L			10/22/20 04:18	2
Bromomethane	ND		2.0	0.42	ug/L			10/22/20 04:18	2
Carbon tetrachloride	ND		1.0	0.24	ug/L			10/22/20 04:18	2
Chlorobenzene	ND		1.0	0.14	ug/L			10/22/20 04:18	2
Chloroethane	ND		2.0	0.48	ug/L			10/22/20 04:18	2
Chloroform	ND		2.0	0.24	ug/L			10/22/20 04:18	2
Chloromethane	ND		2.0	0.52	ug/L			10/22/20 04:18	2
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/22/20 04:18	2
1,2-Dichlorobenzene	**2.4**		1.0	0.19	ug/L			10/22/20 04:18	2
1,3-Dichlorobenzene	ND		1.0	0.17	ug/L			10/22/20 04:18	2
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			10/22/20 04:18	2
EDB	ND		1.0	0.24	ug/L			10/22/20 04:18	2
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/22/20 04:18	2
1,1-Dichloroethane	**0.38**	**J**	1.0	0.20	ug/L			10/22/20 04:18	2
1,2-Dichloroethane	ND		1.0	0.28	ug/L			10/22/20 04:18	2
1,1-Dichloroethene	**0.78**	**J**	1.0	0.26	ug/L			10/22/20 04:18	2
cis-1,2-Dichloroethene	**140**		1.0	0.36	ug/L			10/22/20 04:18	2
trans-1,2-Dichloroethene	**3.6**		1.0	0.22	ug/L			10/22/20 04:18	2
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/22/20 04:18	2
cis-1,3-Dichloropropene	ND		1.0	0.30	ug/L			10/22/20 04:18	2
trans-1,3-Dichloropropene	ND		1.0	0.32	ug/L			10/22/20 04:18	2
Methylene Chloride	ND		2.0	0.32	ug/L			10/22/20 04:18	2
1,1,2,2-Tetrachloroethane	ND		1.0	0.22	ug/L			10/22/20 04:18	2
Tetrachloroethene	**1.4**		1.0	0.20	ug/L			10/22/20 04:18	2
1,2,4-Trichlorobenzene	ND		2.0	0.50	ug/L			10/22/20 04:18	2
1,1,1-Trichloroethane	ND		1.0	0.20	ug/L			10/22/20 04:18	2
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			10/22/20 04:18	2
Trichloroethene	**76**		1.0	0.20	ug/L			10/22/20 04:18	2
Trichlorofluoromethane	ND		2.0	0.26	ug/L			10/22/20 04:18	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34	ug/L			10/22/20 04:18	2
Vinyl chloride	ND		1.0	0.36	ug/L			10/22/20 04:18	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*74 - 120*		*10/22/20 04:18*	*2*
Dibromofluoromethane (Surr)	*96*		*80 - 123*		*10/22/20 04:18*	*2*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 123*		*10/22/20 04:18*	*2*
Toluene-d8 (Surr)	*92*		*78 - 120*		*10/22/20 04:18*	*2*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T23A-101520

Lab Sample ID: 320-65718-34

Date Collected: 10/15/20 10:59
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		0.50	0.14	ug/L			10/22/20 03:32	1
Bromoform	ND		1.0	0.19	ug/L			10/22/20 03:32	1
Bromomethane	ND		1.0	0.21	ug/L			10/22/20 03:32	1
Carbon tetrachloride	ND		0.50	0.12	ug/L			10/22/20 03:32	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/22/20 03:32	1
Chloroethane	ND		1.0	0.24	ug/L			10/22/20 03:32	1
Chloroform	**0.15**	**J**	1.0	0.12	ug/L			10/22/20 03:32	1
Chloromethane	ND		1.0	0.26	ug/L			10/22/20 03:32	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			10/22/20 03:32	1
1,2-Dichlorobenzene	ND		0.50	0.097	ug/L			10/22/20 03:32	1
1,3-Dichlorobenzene	ND		0.50	0.086	ug/L			10/22/20 03:32	1
1,4-Dichlorobenzene	ND		0.50	0.083	ug/L			10/22/20 03:32	1
EDB	ND		0.50	0.12	ug/L			10/22/20 03:32	1
Dichlorodifluoromethane	ND		1.0	0.32	ug/L			10/22/20 03:32	1
1,1-Dichloroethane	**0.19**	**J**	0.50	0.10	ug/L			10/22/20 03:32	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			10/22/20 03:32	1
1,1-Dichloroethene	**0.17**	**J**	0.50	0.13	ug/L			10/22/20 03:32	1
cis-1,2-Dichloroethene	**43**		0.50	0.18	ug/L			10/22/20 03:32	1
trans-1,2-Dichloroethene	**1.5**		0.50	0.11	ug/L			10/22/20 03:32	1
1,2-Dichloropropane	ND		0.50	0.15	ug/L			10/22/20 03:32	1
cis-1,3-Dichloropropene	ND		0.50	0.15	ug/L			10/22/20 03:32	1
trans-1,3-Dichloropropene	ND		0.50	0.16	ug/L			10/22/20 03:32	1
Methylene Chloride	ND		1.0	0.16	ug/L			10/22/20 03:32	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ug/L			10/22/20 03:32	1
Tetrachloroethene	**0.63**		0.50	0.10	ug/L			10/22/20 03:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			10/22/20 03:32	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			10/22/20 03:32	1
1,1,2-Trichloroethane	ND		0.50	0.12	ug/L			10/22/20 03:32	1
Trichloroethene	**48**		0.50	0.10	ug/L			10/22/20 03:32	1
Trichlorofluoromethane	ND		1.0	0.13	ug/L			10/22/20 03:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			10/22/20 03:32	1
Vinyl chloride	**7.3**		0.50	0.18	ug/L			10/22/20 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*74 - 120*		*10/22/20 03:32*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 123*		*10/22/20 03:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 123*		*10/22/20 03:32*	*1*
Toluene-d8 (Surr)	*90*		*78 - 120*		*10/22/20 03:32*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T23B-101520

Lab Sample ID: 320-65718-35

Date Collected: 10/15/20 10:57
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		1.0	0.28	ug/L			10/22/20 04:41	2
Bromoform	ND		2.0	0.38	ug/L			10/22/20 04:41	2
Bromomethane	ND		2.0	0.42	ug/L			10/22/20 04:41	2
Carbon tetrachloride	ND		1.0	0.24	ug/L			10/22/20 04:41	2
Chlorobenzene	ND		1.0	0.14	ug/L			10/22/20 04:41	2
Chloroethane	ND		2.0	0.48	ug/L			10/22/20 04:41	2
Chloroform	ND		2.0	0.24	ug/L			10/22/20 04:41	2
Chloromethane	ND		2.0	0.52	ug/L			10/22/20 04:41	2
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/22/20 04:41	2
1,2-Dichlorobenzene	**2.4**		1.0	0.19	ug/L			10/22/20 04:41	2
1,3-Dichlorobenzene	ND		1.0	0.17	ug/L			10/22/20 04:41	2
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			10/22/20 04:41	2
EDB	ND		1.0	0.24	ug/L			10/22/20 04:41	2
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/22/20 04:41	2
1,1-Dichloroethane	**0.36**	**J**	1.0	0.20	ug/L			10/22/20 04:41	2
1,2-Dichloroethane	ND		1.0	0.28	ug/L			10/22/20 04:41	2
1,1-Dichloroethene	**0.81**	**J**	1.0	0.26	ug/L			10/22/20 04:41	2
cis-1,2-Dichloroethene	**140**		1.0	0.36	ug/L			10/22/20 04:41	2
trans-1,2-Dichloroethene	**3.2**		1.0	0.22	ug/L			10/22/20 04:41	2
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/22/20 04:41	2
cis-1,3-Dichloropropene	ND		1.0	0.30	ug/L			10/22/20 04:41	2
trans-1,3-Dichloropropene	ND		1.0	0.32	ug/L			10/22/20 04:41	2
Methylene Chloride	ND		2.0	0.32	ug/L			10/22/20 04:41	2
1,1,2,2-Tetrachloroethane	ND		1.0	0.22	ug/L			10/22/20 04:41	2
Tetrachloroethene	**1.5**		1.0	0.20	ug/L			10/22/20 04:41	2
1,2,4-Trichlorobenzene	ND		2.0	0.50	ug/L			10/22/20 04:41	2
1,1,1-Trichloroethane	ND		1.0	0.20	ug/L			10/22/20 04:41	2
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			10/22/20 04:41	2
Trichloroethene	**76**		1.0	0.20	ug/L			10/22/20 04:41	2
Trichlorofluoromethane	ND		2.0	0.26	ug/L			10/22/20 04:41	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34	ug/L			10/22/20 04:41	2
Vinyl chloride	**0.76**	**J**	1.0	0.36	ug/L			10/22/20 04:41	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*74 - 120*		*10/22/20 04:41*	*2*
Dibromofluoromethane (Surr)	*97*		*80 - 123*		*10/22/20 04:41*	*2*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 123*		*10/22/20 04:41*	*2*
Toluene-d8 (Surr)	*91*		*78 - 120*		*10/22/20 04:41*	*2*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T24B-101520

Lab Sample ID: 320-65718-36

Date Collected: 10/15/20 09:03
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		1.0	0.28	ug/L			10/22/20 05:05	2
Bromoform	ND		2.0	0.38	ug/L			10/22/20 05:05	2
Bromomethane	ND		2.0	0.42	ug/L			10/22/20 05:05	2
Carbon tetrachloride	ND		1.0	0.24	ug/L			10/22/20 05:05	2
Chlorobenzene	ND		1.0	0.14	ug/L			10/22/20 05:05	2
Chloroethane	ND		2.0	0.48	ug/L			10/22/20 05:05	2
Chloroform	ND		2.0	0.24	ug/L			10/22/20 05:05	2
Chloromethane	ND		2.0	0.52	ug/L			10/22/20 05:05	2
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/22/20 05:05	2
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			10/22/20 05:05	2
1,3-Dichlorobenzene	ND		1.0	0.17	ug/L			10/22/20 05:05	2
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			10/22/20 05:05	2
EDB	ND		1.0	0.24	ug/L			10/22/20 05:05	2
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			10/22/20 05:05	2
1,1-Dichloroethane	**0.46**	**J**	1.0	0.20	ug/L			10/22/20 05:05	2
1,2-Dichloroethane	ND		1.0	0.28	ug/L			10/22/20 05:05	2
1,1-Dichloroethene	**1.0**		1.0	0.26	ug/L			10/22/20 05:05	2
cis-1,2-Dichloroethene	**94**		1.0	0.36	ug/L			10/22/20 05:05	2
trans-1,2-Dichloroethene	**0.96**	**J**	1.0	0.22	ug/L			10/22/20 05:05	2
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/22/20 05:05	2
cis-1,3-Dichloropropene	ND		1.0	0.30	ug/L			10/22/20 05:05	2
trans-1,3-Dichloropropene	ND		1.0	0.32	ug/L			10/22/20 05:05	2
Methylene Chloride	ND		2.0	0.32	ug/L			10/22/20 05:05	2
1,1,2,2-Tetrachloroethane	ND		1.0	0.22	ug/L			10/22/20 05:05	2
Tetrachloroethene	ND		1.0	0.20	ug/L			10/22/20 05:05	2
1,2,4-Trichlorobenzene	ND		2.0	0.50	ug/L			10/22/20 05:05	2
1,1,1-Trichloroethane	ND		1.0	0.20	ug/L			10/22/20 05:05	2
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			10/22/20 05:05	2
Trichloroethene	**36**		1.0	0.20	ug/L			10/22/20 05:05	2
Trichlorofluoromethane	ND		2.0	0.26	ug/L			10/22/20 05:05	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34	ug/L			10/22/20 05:05	2
Vinyl chloride	**2.9**		1.0	0.36	ug/L			10/22/20 05:05	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*74 - 120*		*10/22/20 05:05*	*2*
Dibromofluoromethane (Surr)	*102*		*80 - 123*		*10/22/20 05:05*	*2*
1,2-Dichloroethane-d4 (Surr)	*102*		*72 - 123*		*10/22/20 05:05*	*2*
Toluene-d8 (Surr)	*91*		*78 - 120*		*10/22/20 05:05*	*2*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T25A-101520

Lab Sample ID: 320-65718-37

Date Collected: 10/15/20 10:05
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		0.50	0.14	ug/L			10/22/20 03:55	1
Bromoform	ND		1.0	0.19	ug/L			10/22/20 03:55	1
Bromomethane	ND		1.0	0.21	ug/L			10/22/20 03:55	1
Carbon tetrachloride	ND		0.50	0.12	ug/L			10/22/20 03:55	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/22/20 03:55	1
Chloroethane	ND		1.0	0.24	ug/L			10/22/20 03:55	1
Chloroform	ND		1.0	0.12	ug/L			10/22/20 03:55	1
Chloromethane	ND		1.0	0.26	ug/L			10/22/20 03:55	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			10/22/20 03:55	1
1,2-Dichlorobenzene	**1.9**		0.50	0.097	ug/L			10/22/20 03:55	1
1,3-Dichlorobenzene	ND		0.50	0.086	ug/L			10/22/20 03:55	1
1,4-Dichlorobenzene	**0.13**	**J**	0.50	0.083	ug/L			10/22/20 03:55	1
EDB	ND		0.50	0.12	ug/L			10/22/20 03:55	1
Dichlorodifluoromethane	ND		1.0	0.32	ug/L			10/22/20 03:55	1
1,1-Dichloroethane	**0.37**	**J**	0.50	0.10	ug/L			10/22/20 03:55	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			10/22/20 03:55	1
1,1-Dichloroethene	**0.42**	**J**	0.50	0.13	ug/L			10/22/20 03:55	1
cis-1,2-Dichloroethene	**57**		0.50	0.18	ug/L			10/22/20 03:55	1
trans-1,2-Dichloroethene	**1.7**		0.50	0.11	ug/L			10/22/20 03:55	1
1,2-Dichloropropane	ND		0.50	0.15	ug/L			10/22/20 03:55	1
cis-1,3-Dichloropropene	ND		0.50	0.15	ug/L			10/22/20 03:55	1
trans-1,3-Dichloropropene	ND		0.50	0.16	ug/L			10/22/20 03:55	1
Methylene Chloride	ND		1.0	0.16	ug/L			10/22/20 03:55	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ug/L			10/22/20 03:55	1
Tetrachloroethene	**1.5**		0.50	0.10	ug/L			10/22/20 03:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			10/22/20 03:55	1
1,1,1-Trichloroethane	**0.14**	**J**	0.50	0.10	ug/L			10/22/20 03:55	1
1,1,2-Trichloroethane	ND		0.50	0.12	ug/L			10/22/20 03:55	1
Trichloroethene	**59**		0.50	0.10	ug/L			10/22/20 03:55	1
Trichlorofluoromethane	ND		1.0	0.13	ug/L			10/22/20 03:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			10/22/20 03:55	1
Vinyl chloride	**10**		0.50	0.18	ug/L			10/22/20 03:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*74 - 120*		*10/22/20 03:55*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 123*		*10/22/20 03:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 123*		*10/22/20 03:55*	*1*
Toluene-d8 (Surr)	*93*		*78 - 120*		*10/22/20 03:55*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T25BS-101520

Lab Sample ID: 320-65718-38

Date Collected: 10/15/20 09:06
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		2.0	0.56	ug/L			10/22/20 05:51	4
Bromoform	ND		4.0	0.76	ug/L			10/22/20 05:51	4
Bromomethane	ND		4.0	0.84	ug/L			10/22/20 05:51	4
Carbon tetrachloride	ND		2.0	0.48	ug/L			10/22/20 05:51	4
Chlorobenzene	ND		2.0	0.28	ug/L			10/22/20 05:51	4
Chloroethane	ND		4.0	0.96	ug/L			10/22/20 05:51	4
Chloroform	ND		4.0	0.48	ug/L			10/22/20 05:51	4
Chloromethane	ND		4.0	1.0	ug/L			10/22/20 05:51	4
Chlorodibromomethane	ND		2.0	0.64	ug/L			10/22/20 05:51	4
1,2-Dichlorobenzene	**0.82**	**J**	2.0	0.39	ug/L			10/22/20 05:51	4
1,3-Dichlorobenzene	ND		2.0	0.34	ug/L			10/22/20 05:51	4
1,4-Dichlorobenzene	ND		2.0	0.33	ug/L			10/22/20 05:51	4
EDB	ND		2.0	0.48	ug/L			10/22/20 05:51	4
Dichlorodifluoromethane	ND		4.0	1.3	ug/L			10/22/20 05:51	4
1,1-Dichloroethane	**0.64**	**J**	2.0	0.40	ug/L			10/22/20 05:51	4
1,2-Dichloroethane	ND		2.0	0.56	ug/L			10/22/20 05:51	4
1,1-Dichloroethene	ND		2.0	0.52	ug/L			10/22/20 05:51	4
cis-1,2-Dichloroethene	**200**		2.0	0.72	ug/L			10/22/20 05:51	4
trans-1,2-Dichloroethene	**4.9**		2.0	0.44	ug/L			10/22/20 05:51	4
1,2-Dichloropropane	ND		2.0	0.60	ug/L			10/22/20 05:51	4
cis-1,3-Dichloropropene	ND		2.0	0.60	ug/L			10/22/20 05:51	4
trans-1,3-Dichloropropene	ND		2.0	0.64	ug/L			10/22/20 05:51	4
Methylene Chloride	ND		4.0	0.64	ug/L			10/22/20 05:51	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.44	ug/L			10/22/20 05:51	4
Tetrachloroethene	ND		2.0	0.40	ug/L			10/22/20 05:51	4
1,2,4-Trichlorobenzene	ND		4.0	1.0	ug/L			10/22/20 05:51	4
1,1,1-Trichloroethane	ND		2.0	0.40	ug/L			10/22/20 05:51	4
1,1,2-Trichloroethane	ND		2.0	0.48	ug/L			10/22/20 05:51	4
Trichloroethene	**2.4**		2.0	0.40	ug/L			10/22/20 05:51	4
Trichlorofluoromethane	ND		4.0	0.52	ug/L			10/22/20 05:51	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.68	ug/L			10/22/20 05:51	4
Vinyl chloride	**200**		2.0	0.72	ug/L			10/22/20 05:51	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*74 - 120*		*10/22/20 05:51*	*4*
Dibromofluoromethane (Surr)	*99*		*80 - 123*		*10/22/20 05:51*	*4*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 123*		*10/22/20 05:51*	*4*
Toluene-d8 (Surr)	*89*		*78 - 120*		*10/22/20 05:51*	*4*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T25BD-101520

Lab Sample ID: 320-65718-39

Date Collected: 10/15/20 09:58
Date Received: 10/17/20 10:05

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		5.0	1.4	ug/L			10/22/20 06:38	10
Bromoform	ND		10	1.9	ug/L			10/22/20 06:38	10
Bromomethane	ND		10	2.1	ug/L			10/22/20 06:38	10
Carbon tetrachloride	ND		5.0	1.2	ug/L			10/22/20 06:38	10
Chlorobenzene	ND		5.0	0.70	ug/L			10/22/20 06:38	10
Chloroethane	ND		10	2.4	ug/L			10/22/20 06:38	10
Chloroform	ND		10	1.2	ug/L			10/22/20 06:38	10
Chloromethane	ND		10	2.6	ug/L			10/22/20 06:38	10
Chlorodibromomethane	ND		5.0	1.6	ug/L			10/22/20 06:38	10
1,2-Dichlorobenzene	**2.4**	**J**	5.0	0.97	ug/L			10/22/20 06:38	10
1,3-Dichlorobenzene	ND		5.0	0.86	ug/L			10/22/20 06:38	10
1,4-Dichlorobenzene	ND		5.0	0.83	ug/L			10/22/20 06:38	10
EDB	ND		5.0	1.2	ug/L			10/22/20 06:38	10
Dichlorodifluoromethane	ND		10	3.2	ug/L			10/22/20 06:38	10
1,1-Dichloroethane	ND		5.0	1.0	ug/L			10/22/20 06:38	10
1,2-Dichloroethane	ND		5.0	1.4	ug/L			10/22/20 06:38	10
1,1-Dichloroethene	ND		5.0	1.3	ug/L			10/22/20 06:38	10
cis-1,2-Dichloroethene	**74**		5.0	1.8	ug/L			10/22/20 06:38	10
trans-1,2-Dichloroethene	**1.2**	**J**	5.0	1.1	ug/L			10/22/20 06:38	10
1,2-Dichloropropane	ND		5.0	1.5	ug/L			10/22/20 06:38	10
cis-1,3-Dichloropropene	ND		5.0	1.5	ug/L			10/22/20 06:38	10
trans-1,3-Dichloropropene	ND		5.0	1.6	ug/L			10/22/20 06:38	10
Methylene Chloride	ND		10	1.6	ug/L			10/22/20 06:38	10
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/22/20 06:38	10
Tetrachloroethene	**6.2**		5.0	1.0	ug/L			10/22/20 06:38	10
1,2,4-Trichlorobenzene	ND		10	2.5	ug/L			10/22/20 06:38	10
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			10/22/20 06:38	10
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/22/20 06:38	10
Trichloroethene	**320**		5.0	1.0	ug/L			10/22/20 06:38	10
Trichlorofluoromethane	ND		10	1.3	ug/L			10/22/20 06:38	10
1,1,2-Trichloro-1,2,2-trifluoroethane	**3.6**	**J**	5.0	1.7	ug/L			10/22/20 06:38	10
Vinyl chloride	ND		5.0	1.8	ug/L			10/22/20 06:38	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*74 - 120*		*10/22/20 06:38*	*10*
Dibromofluoromethane (Surr)	*98*		*80 - 123*		*10/22/20 06:38*	*10*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 123*		*10/22/20 06:38*	*10*
Toluene-d8 (Surr)	*91*		*78 - 120*		*10/22/20 06:38*	*10*

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(74-120)	(80-123)	(72-123)	(78-120)
320-65718-1	TRIPBLANK-J6038-101220-1	108	96	98	90
320-65718-2	J6038-T9A-101220	110	100	100	90
320-65718-3	J6038-38S-101320	111	96	98	91
320-65718-4	J6038-T4B-101320	112	97	97	92
320-65718-5	J6038-T5B-101320-1	111	99	100	92
320-65718-6	J6038-T5B-101320-2	114	102	103	90
320-65718-7	J6038-T7A-101320-1	110	96	99	91
320-65718-8	J6038-T7A-101320-2	110	98	99	92
320-65718-9	J6038-T7B-101320-1	111	97	99	90
320-65718-10	J6038-T7B-101320-2	111	98	99	92
320-65718-12	J6038-T8A-101320	110	97	99	90
320-65718-13	J6038-T8B-101320	110	98	99	92
320-65718-14	J6038-T9C-101420	110	99	99	92
320-65718-16	J6038-T10B-101420	111	97	98	91
320-65718-17	J6038-T10C-101420	109	98	99	89
320-65718-18	J6038-T11C-101420-1	111	97	97	90
320-65718-19	J6038-T11C-101420-2	112	97	97	88
320-65718-20	J6038-T12C-101420	110	97	99	91
320-65718-21	J6038-T13A-101420	110	95	95	90
320-65718-22	J6038-T18B-101420	108	97	95	91
320-65718-23	J6038-T20B-101420	109	100	101	89
320-65718-23 - RA	J6038-T20B-101420	114	98	100	92
320-65718-24	J6038-T19A-101420	111	101	103	91
320-65718-25	J6038-T14A-101520	110	101	101	88
320-65718-26	J6038-T15A-101520	110	99	99	90
320-65718-26 - RA	J6038-T15A-101520	108	97	100	91
320-65718-27	J6038-T16A-101520	112	98	100	92
320-65718-29	J6038-T17A-101520	112	101	103	89
320-65718-30	J6038-T17B-101520	110	97	100	90
320-65718-31	J6038-T19B-101520	111	97	100	91
320-65718-32	J6038-T21B-101520	113	101	100	89
320-65718-33	J6038-T22B-101520	112	96	100	92
320-65718-34	J6038-T23A-101520	110	97	99	90
320-65718-35	J6038-T23B-101520	109	97	100	91
320-65718-36	J6038-T24B-101520	112	102	102	91
320-65718-37	J6038-T25A-101520	111	98	101	93
320-65718-38	J6038-T25BS-101520	111	99	101	89
320-65718-39	J6038-T25BD-101520	109	98	100	91
LCS 320-424127/3	Lab Control Sample	109	99	103	89
LCS 320-424487/3	Lab Control Sample	110	97	102	92
LCS 320-424956/3	Lab Control Sample	107	96	92	89
LCSD 320-424127/4	Lab Control Sample Dup	108	102	105	90
LCSD 320-424487/4	Lab Control Sample Dup	111	98	102	93
LCSD 320-424956/4	Lab Control Sample Dup	108	96	98	88
MB 320-424127/6	Method Blank	112	100	101	92
MB 320-424487/6	Method Blank	111	96	99	92
MB 320-424956/6	Method Blank	108	94	94	90

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Job ID: 320-65718-1
Project/Site: NGC Microwave

DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 320-424127/6
Matrix: Water
Analysis Batch: 424127

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		0.50	0.14	ug/L			10/21/20 22:55	1
Bromoform	ND		1.0	0.19	ug/L			10/21/20 22:55	1
Bromomethane	ND		1.0	0.21	ug/L			10/21/20 22:55	1
Carbon tetrachloride	ND		0.50	0.12	ug/L			10/21/20 22:55	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/21/20 22:55	1
Chloroethane	ND		1.0	0.24	ug/L			10/21/20 22:55	1
Chloroform	ND		1.0	0.12	ug/L			10/21/20 22:55	1
Chloromethane	ND		1.0	0.26	ug/L			10/21/20 22:55	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			10/21/20 22:55	1
1,2-Dichlorobenzene	ND		0.50	0.097	ug/L			10/21/20 22:55	1
1,3-Dichlorobenzene	ND		0.50	0.086	ug/L			10/21/20 22:55	1
1,4-Dichlorobenzene	ND		0.50	0.083	ug/L			10/21/20 22:55	1
EDB	ND		0.50	0.12	ug/L			10/21/20 22:55	1
Dichlorodifluoromethane	ND		1.0	0.32	ug/L			10/21/20 22:55	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/21/20 22:55	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			10/21/20 22:55	1
1,1-Dichloroethene	ND		0.50	0.13	ug/L			10/21/20 22:55	1
cis-1,2-Dichloroethene	ND		0.50	0.18	ug/L			10/21/20 22:55	1
trans-1,2-Dichloroethene	ND		0.50	0.11	ug/L			10/21/20 22:55	1
1,2-Dichloropropane	ND		0.50	0.15	ug/L			10/21/20 22:55	1
cis-1,3-Dichloropropene	ND		0.50	0.15	ug/L			10/21/20 22:55	1
trans-1,3-Dichloropropene	ND		0.50	0.16	ug/L			10/21/20 22:55	1
Methylene Chloride	ND		1.0	0.16	ug/L			10/21/20 22:55	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ug/L			10/21/20 22:55	1
Tetrachloroethene	ND		0.50	0.10	ug/L			10/21/20 22:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			10/21/20 22:55	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			10/21/20 22:55	1
1,1,2-Trichloroethane	ND		0.50	0.12	ug/L			10/21/20 22:55	1
Trichloroethene	ND		0.50	0.10	ug/L			10/21/20 22:55	1
Trichlorofluoromethane	ND		1.0	0.13	ug/L			10/21/20 22:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			10/21/20 22:55	1
Vinyl chloride	ND		0.50	0.18	ug/L			10/21/20 22:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*74 - 120*		*10/21/20 22:55*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 123*		*10/21/20 22:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 123*		*10/21/20 22:55*	*1*
Toluene-d8 (Surr)	*92*		*78 - 120*		*10/21/20 22:55*	*1*

Lab Sample ID: LCS 320-424127/3
Matrix: Water
Analysis Batch: 424127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorobromomethane	20.0	18.4		ug/L		92	80 - 124
Bromoform	20.0	19.7		ug/L		98	80 - 120
Bromomethane	20.0	18.6		ug/L		93	65 - 132
Carbon tetrachloride	20.0	19.0		ug/L		95	78 - 124

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-424127/3
Matrix: Water
Analysis Batch: 424127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	20.0	18.5		ug/L		93	78 - 120
Chloroethane	20.0	18.7		ug/L		94	65 - 123
Chloroform	20.0	19.2		ug/L		96	80 - 120
Chloromethane	20.0	17.3		ug/L		87	62 - 129
Chlorodibromomethane	20.0	18.5		ug/L		92	80 - 122
1,2-Dichlorobenzene	20.0	18.6		ug/L		93	77 - 120
1,3-Dichlorobenzene	20.0	17.9		ug/L		89	78 - 120
1,4-Dichlorobenzene	20.0	17.8		ug/L		89	74 - 120
EDB	20.0	18.6		ug/L		93	78 - 120
Dichlorodifluoromethane	20.0	19.1		ug/L		96	39 - 161
1,1-Dichloroethane	20.0	19.0		ug/L		95	79 - 120
1,2-Dichloroethane	20.0	18.5		ug/L		92	77 - 128
1,1-Dichloroethene	20.0	18.8		ug/L		94	74 - 120
cis-1,2-Dichloroethene	20.0	18.9		ug/L		94	78 - 120
trans-1,2-Dichloroethene	20.0	18.8		ug/L		94	76 - 120
1,2-Dichloropropane	20.0	17.9		ug/L		90	75 - 125
cis-1,3-Dichloropropene	20.0	17.5		ug/L		88	80 - 131
trans-1,3-Dichloropropene	20.0	16.9		ug/L		85	75 - 133
Methylene Chloride	20.0	19.2		ug/L		96	77 - 120
1,1,2,2-Tetrachloroethane	20.0	17.7		ug/L		88	74 - 137
Tetrachloroethene	20.0	19.1		ug/L		96	74 - 120
1,2,4-Trichlorobenzene	20.0	21.6		ug/L		108	61 - 130
1,1,1-Trichloroethane	20.0	19.3		ug/L		96	79 - 121
1,1,2-Trichloroethane	20.0	17.9		ug/L		89	79 - 127
Trichloroethene	20.0	18.1		ug/L		91	74 - 120
Trichlorofluoromethane	20.0	19.5		ug/L		97	60 - 135
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.0		ug/L		100	64 - 125
Vinyl chloride	20.0	17.5		ug/L		88	68 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*74 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 123*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 123*
Toluene-d8 (Surr)	*89*		*78 - 120*

Lab Sample ID: LCSD 320-424127/4
Matrix: Water
Analysis Batch: 424127

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorobromomethane	20.0	18.9		ug/L		95	80 - 124	3	20
Bromoform	20.0	20.3		ug/L		102	80 - 120	3	16
Bromomethane	20.0	18.8		ug/L		94	65 - 132	1	40
Carbon tetrachloride	20.0	19.5		ug/L		97	78 - 124	3	25
Chlorobenzene	20.0	18.7		ug/L		93	78 - 120	1	15
Chloroethane	20.0	18.7		ug/L		93	65 - 123	0	40
Chloroform	20.0	19.3		ug/L		96	80 - 120	0	22
Chloromethane	20.0	17.1		ug/L		86	62 - 129	1	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 320-424127/4
Matrix: Water
Analysis Batch: 424127

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorodibromomethane	20.0	19.2		ug/L		96	80 - 122	4	17
1,2-Dichlorobenzene	20.0	19.1		ug/L		96	77 - 120	3	19
1,3-Dichlorobenzene	20.0	18.5		ug/L		93	78 - 120	4	17
1,4-Dichlorobenzene	20.0	18.2		ug/L		91	74 - 120	2	15
EDB	20.0	19.0		ug/L		95	78 - 120	2	15
Dichlorodifluoromethane	20.0	19.2		ug/L		96	39 - 161	1	51
1,1-Dichloroethane	20.0	19.0		ug/L		95	79 - 120	0	21
1,2-Dichloroethane	20.0	18.9		ug/L		95	77 - 128	2	25
1,1-Dichloroethene	20.0	18.7		ug/L		93	74 - 120	1	22
cis-1,2-Dichloroethene	20.0	19.3		ug/L		96	78 - 120	2	18
trans-1,2-Dichloroethene	20.0	19.0		ug/L		95	76 - 120	1	20
1,2-Dichloropropane	20.0	18.7		ug/L		94	75 - 125	4	27
cis-1,3-Dichloropropene	20.0	18.2		ug/L		91	80 - 131	4	24
trans-1,3-Dichloropropene	20.0	17.7		ug/L		88	75 - 133	4	29
Methylene Chloride	20.0	19.7		ug/L		98	77 - 120	2	20
1,1,2,2-Tetrachloroethane	20.0	18.3		ug/L		91	74 - 137	3	27
Tetrachloroethene	20.0	19.2		ug/L		96	74 - 120	0	18
1,2,4-Trichlorobenzene	20.0	22.4		ug/L		112	61 - 130	3	40
1,1,1-Trichloroethane	20.0	19.6		ug/L		98	79 - 121	2	25
1,1,2-Trichloroethane	20.0	18.2		ug/L		91	79 - 127	2	30
Trichloroethene	20.0	18.5		ug/L		93	74 - 120	2	20
Trichlorofluoromethane	20.0	19.5		ug/L		97	60 - 135	0	41
1,1,2-Trichloro-1,2,2-trifluoroetha ne	20.0	20.4		ug/L		102	64 - 125	2	40
Vinyl chloride	20.0	18.0		ug/L		90	68 - 121	3	33

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*74 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 123*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 123*
Toluene-d8 (Surr)	*90*		*78 - 120*

Lab Sample ID: MB 320-424487/6
Matrix: Water
Analysis Batch: 424487

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		0.50	0.14	ug/L			10/22/20 23:40	1
Bromoform	ND		1.0	0.19	ug/L			10/22/20 23:40	1
Bromomethane	ND		1.0	0.21	ug/L			10/22/20 23:40	1
Carbon tetrachloride	ND		0.50	0.12	ug/L			10/22/20 23:40	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/22/20 23:40	1
Chloroethane	ND		1.0	0.24	ug/L			10/22/20 23:40	1
Chloroform	ND		1.0	0.12	ug/L			10/22/20 23:40	1
Chloromethane	ND		1.0	0.26	ug/L			10/22/20 23:40	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			10/22/20 23:40	1
1,2-Dichlorobenzene	ND		0.50	0.097	ug/L			10/22/20 23:40	1
1,3-Dichlorobenzene	ND		0.50	0.086	ug/L			10/22/20 23:40	1
1,4-Dichlorobenzene	ND		0.50	0.083	ug/L			10/22/20 23:40	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-424487/6
Matrix: Water
Analysis Batch: 424487

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
EDB	ND		0.50	0.12	ug/L			10/22/20 23:40	1
Dichlorodifluoromethane	ND		1.0	0.32	ug/L			10/22/20 23:40	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/22/20 23:40	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			10/22/20 23:40	1
1,1-Dichloroethene	ND		0.50	0.13	ug/L			10/22/20 23:40	1
cis-1,2-Dichloroethene	ND		0.50	0.18	ug/L			10/22/20 23:40	1
trans-1,2-Dichloroethene	ND		0.50	0.11	ug/L			10/22/20 23:40	1
1,2-Dichloropropane	ND		0.50	0.15	ug/L			10/22/20 23:40	1
cis-1,3-Dichloropropene	ND		0.50	0.15	ug/L			10/22/20 23:40	1
trans-1,3-Dichloropropene	ND		0.50	0.16	ug/L			10/22/20 23:40	1
Methylene Chloride	ND		1.0	0.16	ug/L			10/22/20 23:40	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ug/L			10/22/20 23:40	1
Tetrachloroethene	ND		0.50	0.10	ug/L			10/22/20 23:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			10/22/20 23:40	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			10/22/20 23:40	1
1,1,2-Trichloroethane	ND		0.50	0.12	ug/L			10/22/20 23:40	1
Trichloroethene	ND		0.50	0.10	ug/L			10/22/20 23:40	1
Trichlorofluoromethane	ND		1.0	0.13	ug/L			10/22/20 23:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			10/22/20 23:40	1
Vinyl chloride	ND		0.50	0.18	ug/L			10/22/20 23:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*74 - 120*		*10/22/20 23:40*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 123*		*10/22/20 23:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 123*		*10/22/20 23:40*	*1*
Toluene-d8 (Surr)	*92*		*78 - 120*		*10/22/20 23:40*	*1*

Lab Sample ID: LCS 320-424487/3
Matrix: Water
Analysis Batch: 424487

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorobromomethane	20.0	18.6		ug/L		93	80 - 124
Bromoform	20.0	20.4		ug/L		102	80 - 120
Bromomethane	20.0	18.0		ug/L		90	65 - 132
Carbon tetrachloride	20.0	18.5		ug/L		92	78 - 124
Chlorobenzene	20.0	18.5		ug/L		92	78 - 120
Chloroethane	20.0	18.1		ug/L		91	65 - 123
Chloroform	20.0	18.4		ug/L		92	80 - 120
Chloromethane	20.0	16.6		ug/L		83	62 - 129
Chlorodibromomethane	20.0	18.7		ug/L		93	80 - 122
1,2-Dichlorobenzene	20.0	18.4		ug/L		92	77 - 120
1,3-Dichlorobenzene	20.0	18.1		ug/L		90	78 - 120
1,4-Dichlorobenzene	20.0	18.1		ug/L		90	74 - 120
EDB	20.0	19.0		ug/L		95	78 - 120
Dichlorodifluoromethane	20.0	17.4		ug/L		87	39 - 161
1,1-Dichloroethane	20.0	18.3		ug/L		91	79 - 120
1,2-Dichloroethane	20.0	18.4		ug/L		92	77 - 128

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-424487/3
Matrix: Water
Analysis Batch: 424487

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	20.0	17.8		ug/L		89	74 - 120
cis-1,2-Dichloroethene	20.0	18.9		ug/L		94	78 - 120
trans-1,2-Dichloroethene	20.0	18.2		ug/L		91	76 - 120
1,2-Dichloropropane	20.0	18.6		ug/L		93	75 - 125
cis-1,3-Dichloropropene	20.0	18.2		ug/L		91	80 - 131
trans-1,3-Dichloropropene	20.0	17.8		ug/L		89	75 - 133
Methylene Chloride	20.0	18.5		ug/L		92	77 - 120
1,1,2,2-Tetrachloroethane	20.0	17.7		ug/L		88	74 - 137
Tetrachloroethene	20.0	18.5		ug/L		92	74 - 120
1,2,4-Trichlorobenzene	20.0	22.1		ug/L		110	61 - 130
1,1,1-Trichloroethane	20.0	18.7		ug/L		94	79 - 121
1,1,2-Trichloroethane	20.0	19.0		ug/L		95	79 - 127
Trichloroethene	20.0	18.6		ug/L		93	74 - 120
Trichlorofluoromethane	20.0	18.4		ug/L		92	60 - 135
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.5		ug/L		97	64 - 125
Vinyl chloride	20.0	17.3		ug/L		87	68 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*74 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 123*
1,2-Dichloroethane-d4 (Surr)	*102*		*72 - 123*
Toluene-d8 (Surr)	*92*		*78 - 120*

Lab Sample ID: LCSD 320-424487/4
Matrix: Water
Analysis Batch: 424487

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorobromomethane	20.0	18.1		ug/L		91	80 - 124	2	20
Bromoform	20.0	19.3		ug/L		97	80 - 120	5	16
Bromomethane	20.0	17.9		ug/L		90	65 - 132	0	40
Carbon tetrachloride	20.0	18.3		ug/L		91	78 - 124	1	25
Chlorobenzene	20.0	18.0		ug/L		90	78 - 120	3	15
Chloroethane	20.0	18.0		ug/L		90	65 - 123	1	40
Chloroform	20.0	18.3		ug/L		91	80 - 120	1	22
Chloromethane	20.0	16.6		ug/L		83	62 - 129	0	25
Chlorodibromomethane	20.0	17.9		ug/L		89	80 - 122	4	17
1,2-Dichlorobenzene	20.0	17.7		ug/L		89	77 - 120	4	19
1,3-Dichlorobenzene	20.0	17.6		ug/L		88	78 - 120	2	17
1,4-Dichlorobenzene	20.0	17.4		ug/L		87	74 - 120	4	15
EDB	20.0	18.3		ug/L		91	78 - 120	4	15
Dichlorodifluoromethane	20.0	17.4		ug/L		87	39 - 161	0	51
1,1-Dichloroethane	20.0	18.0		ug/L		90	79 - 120	2	21
1,2-Dichloroethane	20.0	18.3		ug/L		91	77 - 128	1	25
1,1-Dichloroethene	20.0	17.5		ug/L		88	74 - 120	2	22
cis-1,2-Dichloroethene	20.0	18.5		ug/L		92	78 - 120	2	18
trans-1,2-Dichloroethene	20.0	18.1		ug/L		90	76 - 120	1	20
1,2-Dichloropropane	20.0	18.5		ug/L		92	75 - 125	1	27

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 320-424487/4
Matrix: Water
Analysis Batch: 424487

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	18.0		ug/L		90	80 - 131	1	24
trans-1,3-Dichloropropene	20.0	17.6		ug/L		88	75 - 133	1	29
Methylene Chloride	20.0	18.9		ug/L		94	77 - 120	2	20
1,1,2,2-Tetrachloroethane	20.0	16.5		ug/L		82	74 - 137	7	27
Tetrachloroethene	20.0	18.6		ug/L		93	74 - 120	1	18
1,2,4-Trichlorobenzene	20.0	21.0		ug/L		105	61 - 130	5	40
1,1,1-Trichloroethane	20.0	18.8		ug/L		94	79 - 121	0	25
1,1,2-Trichloroethane	20.0	18.4		ug/L		92	79 - 127	3	30
Trichloroethene	20.0	18.5		ug/L		92	74 - 120	0	20
Trichlorofluoromethane	20.0	18.2		ug/L		91	60 - 135	1	41
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.5		ug/L		97	64 - 125	0	40
Vinyl chloride	20.0	17.5		ug/L		87	68 - 121	1	33

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*74 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 123*
1,2-Dichloroethane-d4 (Surr)	*102*		*72 - 123*
Toluene-d8 (Surr)	*93*		*78 - 120*

Lab Sample ID: MB 320-424956/6
Matrix: Water
Analysis Batch: 424956

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		0.50	0.14	ug/L			10/23/20 21:20	1
Bromoform	ND		1.0	0.19	ug/L			10/23/20 21:20	1
Bromomethane	ND		1.0	0.21	ug/L			10/23/20 21:20	1
Carbon tetrachloride	ND		0.50	0.12	ug/L			10/23/20 21:20	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/23/20 21:20	1
Chloroethane	ND		1.0	0.24	ug/L			10/23/20 21:20	1
Chloroform	ND		1.0	0.12	ug/L			10/23/20 21:20	1
Chloromethane	ND		1.0	0.26	ug/L			10/23/20 21:20	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			10/23/20 21:20	1
1,2-Dichlorobenzene	ND		0.50	0.097	ug/L			10/23/20 21:20	1
1,3-Dichlorobenzene	ND		0.50	0.086	ug/L			10/23/20 21:20	1
1,4-Dichlorobenzene	0.0831	J	0.50	0.083	ug/L			10/23/20 21:20	1
EDB	ND		0.50	0.12	ug/L			10/23/20 21:20	1
Dichlorodifluoromethane	ND		1.0	0.32	ug/L			10/23/20 21:20	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/23/20 21:20	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			10/23/20 21:20	1
1,1-Dichloroethene	ND		0.50	0.13	ug/L			10/23/20 21:20	1
cis-1,2-Dichloroethene	ND		0.50	0.18	ug/L			10/23/20 21:20	1
trans-1,2-Dichloroethene	ND		0.50	0.11	ug/L			10/23/20 21:20	1
1,2-Dichloropropane	ND		0.50	0.15	ug/L			10/23/20 21:20	1
cis-1,3-Dichloropropene	ND		0.50	0.15	ug/L			10/23/20 21:20	1
trans-1,3-Dichloropropene	ND		0.50	0.16	ug/L			10/23/20 21:20	1
Methylene Chloride	ND		1.0	0.16	ug/L			10/23/20 21:20	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ug/L			10/23/20 21:20	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-424956/6
Matrix: Water
Analysis Batch: 424956

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.50	0.10	ug/L			10/23/20 21:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			10/23/20 21:20	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			10/23/20 21:20	1
1,1,2-Trichloroethane	ND		0.50	0.12	ug/L			10/23/20 21:20	1
Trichloroethene	ND		0.50	0.10	ug/L			10/23/20 21:20	1
Trichlorofluoromethane	ND		1.0	0.13	ug/L			10/23/20 21:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			10/23/20 21:20	1
Vinyl chloride	ND		0.50	0.18	ug/L			10/23/20 21:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*74 - 120*		*10/23/20 21:20*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 123*		*10/23/20 21:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*72 - 123*		*10/23/20 21:20*	*1*
Toluene-d8 (Surr)	*90*		*78 - 120*		*10/23/20 21:20*	*1*

Lab Sample ID: LCS 320-424956/3
Matrix: Water
Analysis Batch: 424956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorobromomethane	20.0	19.6		ug/L		98	80 - 124
Bromoform	20.0	20.9		ug/L		105	80 - 120
Bromomethane	20.0	20.1		ug/L		101	65 - 132
Carbon tetrachloride	20.0	21.1		ug/L		105	78 - 124
Chlorobenzene	20.0	20.2		ug/L		101	78 - 120
Chloroethane	20.0	21.3		ug/L		106	65 - 123
Chloroform	20.0	20.7		ug/L		104	80 - 120
Chloromethane	20.0	19.3		ug/L		96	62 - 129
Chlorodibromomethane	20.0	19.8		ug/L		99	80 - 122
1,2-Dichlorobenzene	20.0	20.6		ug/L		103	77 - 120
1,3-Dichlorobenzene	20.0	19.7		ug/L		99	78 - 120
1,4-Dichlorobenzene	20.0	19.7		ug/L		99	74 - 120
EDB	20.0	20.2		ug/L		101	78 - 120
Dichlorodifluoromethane	20.0	18.3		ug/L		92	39 - 161
1,1-Dichloroethane	20.0	20.3		ug/L		102	79 - 120
1,2-Dichloroethane	20.0	19.8		ug/L		99	77 - 128
1,1-Dichloroethene	20.0	21.2		ug/L		106	74 - 120
cis-1,2-Dichloroethene	20.0	20.7		ug/L		104	78 - 120
trans-1,2-Dichloroethene	20.0	21.3		ug/L		106	76 - 120
1,2-Dichloropropane	20.0	20.0		ug/L		100	75 - 125
cis-1,3-Dichloropropene	20.0	19.3		ug/L		97	80 - 131
trans-1,3-Dichloropropene	20.0	18.9		ug/L		94	75 - 133
Methylene Chloride	20.0	20.6		ug/L		103	77 - 120
1,1,2,2-Tetrachloroethane	20.0	20.0		ug/L		100	74 - 137
Tetrachloroethene	20.0	21.4		ug/L		107	74 - 120
1,2,4-Trichlorobenzene	20.0	24.6		ug/L		123	61 - 130
1,1,1-Trichloroethane	20.0	22.0		ug/L		110	79 - 121
1,1,2-Trichloroethane	20.0	19.6		ug/L		98	79 - 127

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-424956/3
Matrix: Water
Analysis Batch: 424956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	20.0	20.5		ug/L		102	74 - 120
Trichlorofluoromethane	20.0	20.3		ug/L		102	60 - 135
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.5		ug/L		103	64 - 125
Vinyl chloride	20.0	20.9		ug/L		104	68 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*74 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 123*
1,2-Dichloroethane-d4 (Surr)	*92*		*72 - 123*
Toluene-d8 (Surr)	*89*		*78 - 120*

Lab Sample ID: LCSD 320-424956/4
Matrix: Water
Analysis Batch: 424956

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorobromomethane	20.0	19.3		ug/L		96	80 - 124	2	20
Bromoform	20.0	21.3		ug/L		107	80 - 120	2	16
Bromomethane	20.0	19.3		ug/L		96	65 - 132	4	40
Carbon tetrachloride	20.0	20.7		ug/L		103	78 - 124	2	25
Chlorobenzene	20.0	20.2		ug/L		101	78 - 120	0	15
Chloroethane	20.0	20.9		ug/L		104	65 - 123	2	40
Chloroform	20.0	20.1		ug/L		101	80 - 120	3	22
Chloromethane	20.0	18.6		ug/L		93	62 - 129	3	25
Chlorodibromomethane	20.0	19.9		ug/L		100	80 - 122	1	17
1,2-Dichlorobenzene	20.0	19.9		ug/L		100	77 - 120	3	19
1,3-Dichlorobenzene	20.0	19.5		ug/L		97	78 - 120	1	17
1,4-Dichlorobenzene	20.0	19.2		ug/L		96	74 - 120	2	15
EDB	20.0	20.1		ug/L		100	78 - 120	1	15
Dichlorodifluoromethane	20.0	17.8		ug/L		89	39 - 161	3	51
1,1-Dichloroethane	20.0	20.0		ug/L		100	79 - 120	2	21
1,2-Dichloroethane	20.0	19.1		ug/L		96	77 - 128	4	25
1,1-Dichloroethene	20.0	20.5		ug/L		103	74 - 120	3	22
cis-1,2-Dichloroethene	20.0	20.1		ug/L		101	78 - 120	3	18
trans-1,2-Dichloroethene	20.0	20.8		ug/L		104	76 - 120	2	20
1,2-Dichloropropane	20.0	19.3		ug/L		96	75 - 125	4	27
cis-1,3-Dichloropropene	20.0	18.8		ug/L		94	80 - 131	3	24
trans-1,3-Dichloropropene	20.0	18.2		ug/L		91	75 - 133	3	29
Methylene Chloride	20.0	20.3		ug/L		101	77 - 120	2	20
1,1,2,2-Tetrachloroethane	20.0	19.1		ug/L		96	74 - 137	4	27
Tetrachloroethene	20.0	21.3		ug/L		107	74 - 120	0	18
1,2,4-Trichlorobenzene	20.0	24.2		ug/L		121	61 - 130	2	40
1,1,1-Trichloroethane	20.0	21.4		ug/L		107	79 - 121	3	25
1,1,2-Trichloroethane	20.0	18.8		ug/L		94	79 - 127	4	30
Trichloroethene	20.0	20.3		ug/L		101	74 - 120	1	20
Trichlorofluoromethane	20.0	19.4		ug/L		97	60 - 135	5	41
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.8		ug/L		99	64 - 125	4	40

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 320-424956/4
Matrix: Water
Analysis Batch: 424956

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride			20.0	19.9		ug/L		99	68 - 121	5	33

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*74 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 123*
1,2-Dichloroethane-d4 (Surr)	*98*		*72 - 123*
Toluene-d8 (Surr)	*88*		*78 - 120*

GC/MS VOA

Analysis Batch: 424127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-65718-23	J6038-T20B-101420	Total/NA	Water	8260B	
320-65718-25	J6038-T14A-101520	Total/NA	Water	8260B	
320-65718-26	J6038-T15A-101520	Total/NA	Water	8260B	
320-65718-27	J6038-T16A-101520	Total/NA	Water	8260B	
320-65718-29	J6038-T17A-101520	Total/NA	Water	8260B	
320-65718-30	J6038-T17B-101520	Total/NA	Water	8260B	
320-65718-31	J6038-T19B-101520	Total/NA	Water	8260B	
320-65718-32	J6038-T21B-101520	Total/NA	Water	8260B	
320-65718-33	J6038-T22B-101520	Total/NA	Water	8260B	
320-65718-34	J6038-T23A-101520	Total/NA	Water	8260B	
320-65718-35	J6038-T23B-101520	Total/NA	Water	8260B	
320-65718-36	J6038-T24B-101520	Total/NA	Water	8260B	
320-65718-37	J6038-T25A-101520	Total/NA	Water	8260B	
320-65718-38	J6038-T25BS-101520	Total/NA	Water	8260B	
320-65718-39	J6038-T25BD-101520	Total/NA	Water	8260B	
MB 320-424127/6	Method Blank	Total/NA	Water	8260B	
LCS 320-424127/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 320-424127/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 424487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-65718-1	TRIPBLANK-J6038-101220-1	Total/NA	Water	8260B	
320-65718-2	J6038-T9A-101220	Total/NA	Water	8260B	
320-65718-3	J6038-38S-101320	Total/NA	Water	8260B	
320-65718-4	J6038-T4B-101320	Total/NA	Water	8260B	
320-65718-5	J6038-T5B-101320-1	Total/NA	Water	8260B	
320-65718-6	J6038-T5B-101320-2	Total/NA	Water	8260B	
320-65718-7	J6038-T7A-101320-1	Total/NA	Water	8260B	
320-65718-8	J6038-T7A-101320-2	Total/NA	Water	8260B	
320-65718-9	J6038-T7B-101320-1	Total/NA	Water	8260B	
320-65718-10	J6038-T7B-101320-2	Total/NA	Water	8260B	
320-65718-12	J6038-T8A-101320	Total/NA	Water	8260B	
320-65718-13	J6038-T8B-101320	Total/NA	Water	8260B	
320-65718-14	J6038-T9C-101420	Total/NA	Water	8260B	
320-65718-23 - RA	J6038-T20B-101420	Total/NA	Water	8260B	
320-65718-24	J6038-T19A-101420	Total/NA	Water	8260B	
320-65718-26 - RA	J6038-T15A-101520	Total/NA	Water	8260B	
MB 320-424487/6	Method Blank	Total/NA	Water	8260B	
LCS 320-424487/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 320-424487/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 424956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-65718-16	J6038-T10B-101420	Total/NA	Water	8260B	
320-65718-17	J6038-T10C-101420	Total/NA	Water	8260B	
320-65718-18	J6038-T11C-101420-1	Total/NA	Water	8260B	
320-65718-19	J6038-T11C-101420-2	Total/NA	Water	8260B	
320-65718-20	J6038-T12C-101420	Total/NA	Water	8260B	
320-65718-21	J6038-T13A-101420	Total/NA	Water	8260B	
320-65718-22	J6038-T18B-101420	Total/NA	Water	8260B	
MB 320-424956/6	Method Blank	Total/NA	Water	8260B	

GC/MS VOA (Continued)

Analysis Batch: 424956 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-424956/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 320-424956/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: TRIPBLANK-J6038-101220-1 — Lab Sample ID: 320-65718-1

Date Collected: 10/12/20 11:45
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	424487	10/23/20 00:03	EMJ	TAL SAC

Client Sample ID: J6038-T9A-101220 — Lab Sample ID: 320-65718-2

Date Collected: 10/12/20 12:00
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	50 mL	50 mL	424487	10/23/20 02:44	EMJ	TAL SAC

Client Sample ID: J6038-38S-101320 — Lab Sample ID: 320-65718-3

Date Collected: 10/13/20 08:27
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	424487	10/23/20 00:49	EMJ	TAL SAC

Client Sample ID: J6038-T4B-101320 — Lab Sample ID: 320-65718-4

Date Collected: 10/13/20 09:40
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	50 mL	50 mL	424487	10/23/20 06:34	EMJ	TAL SAC

Client Sample ID: J6038-T5B-101320-1 — Lab Sample ID: 320-65718-5

Date Collected: 10/13/20 10:40
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	50 mL	50 mL	424487	10/23/20 06:57	EMJ	TAL SAC

Client Sample ID: J6038-T5B-101320-2 — Lab Sample ID: 320-65718-6

Date Collected: 10/13/20 10:45
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	50 mL	50 mL	424487	10/23/20 07:20	EMJ	TAL SAC

Client Sample ID: J6038-T7A-101320-1 — Lab Sample ID: 320-65718-7

Date Collected: 10/13/20 11:45
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	50 mL	50 mL	424487	10/23/20 03:07	EMJ	TAL SAC

Client Sample ID: J6038-T7A-101320-2 — Lab Sample ID: 320-65718-8

Date Collected: 10/13/20 11:50
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	50 mL	50 mL	424487	10/23/20 03:30	EMJ	TAL SAC

Client Sample ID: J6038-T7B-101320-1 — Lab Sample ID: 320-65718-9

Date Collected: 10/13/20 12:45
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	50 mL	50 mL	424487	10/23/20 03:53	EMJ	TAL SAC

Client Sample ID: J6038-T7B-101320-2 — Lab Sample ID: 320-65718-10

Date Collected: 10/13/20 12:50
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	50 mL	50 mL	424487	10/23/20 04:16	EMJ	TAL SAC

Client Sample ID: J6038-T8A-101320 — Lab Sample ID: 320-65718-12

Date Collected: 10/13/20 14:30
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	424487	10/23/20 01:12	EMJ	TAL SAC

Client Sample ID: J6038-T8B-101320 — Lab Sample ID: 320-65718-13

Date Collected: 10/13/20 15:10
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	50 mL	50 mL	424487	10/23/20 05:48	EMJ	TAL SAC

Client Sample ID: J6038-T9C-101420 — Lab Sample ID: 320-65718-14

Date Collected: 10/14/20 08:50
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	424487	10/23/20 01:35	EMJ	TAL SAC

Client Sample ID: J6038-T10B-101420 — Lab Sample ID: 320-65718-16

Date Collected: 10/14/20 10:20
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	50 mL	50 mL	424956	10/24/20 02:19	SS	TAL SAC

Client Sample ID: J6038-T10C-101420 — Lab Sample ID: 320-65718-17

Date Collected: 10/14/20 11:11
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	50 mL	50 mL	424956	10/24/20 04:14	SS	TAL SAC

Client Sample ID: J6038-T11C-101420-1 — Lab Sample ID: 320-65718-18

Date Collected: 10/14/20 12:15
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		4	50 mL	50 mL	424956	10/24/20 03:28	SS	TAL SAC

Client Sample ID: J6038-T11C-101420-2 — Lab Sample ID: 320-65718-19

Date Collected: 10/14/20 12:20
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		4	50 mL	50 mL	424956	10/24/20 03:51	SS	TAL SAC

Client Sample ID: J6038-T12C-101420 — Lab Sample ID: 320-65718-20

Date Collected: 10/14/20 14:08
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	50 mL	50 mL	424956	10/24/20 02:42	SS	TAL SAC

Client Sample ID: J6038-T13A-101420 — Lab Sample ID: 320-65718-21

Date Collected: 10/14/20 15:20
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	50 mL	50 mL	424956	10/24/20 03:05	SS	TAL SAC

Client Sample ID: J6038-T18B-101420 — Lab Sample ID: 320-65718-22

Date Collected: 10/14/20 13:57
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	424956	10/23/20 22:29	SS	TAL SAC

Client Sample ID: J6038-T20B-101420 — Lab Sample ID: 320-65718-23

Date Collected: 10/14/20 14:42
Date Received: 10/17/20 10:05
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	424127	10/22/20 00:50	EMJ	TAL SAC
Total/NA	Analysis	8260B	RA	10	50 mL	50 mL	424487	10/23/20 06:11	EMJ	TAL SAC

Client Sample ID: J6038-T19A-101420 — Lab Sample ID: 320-65718-24

Date Collected: 10/14/20 15:24 — **Matrix: Water**
Date Received: 10/17/20 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	424487	10/23/20 01:58	EMJ	TAL SAC

Client Sample ID: J6038-T14A-101520 — Lab Sample ID: 320-65718-25

Date Collected: 10/15/20 14:00 — **Matrix: Water**
Date Received: 10/17/20 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	424127	10/22/20 01:36	EMJ	TAL SAC

Client Sample ID: J6038-T15A-101520 — Lab Sample ID: 320-65718-26

Date Collected: 10/15/20 08:45 — **Matrix: Water**
Date Received: 10/17/20 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	424127	10/22/20 01:59	EMJ	TAL SAC
Total/NA	Analysis	8260B	RA	2	50 mL	50 mL	424487	10/23/20 04:39	EMJ	TAL SAC

Client Sample ID: J6038-T16A-101520 — Lab Sample ID: 320-65718-27

Date Collected: 10/15/20 09:40 — **Matrix: Water**
Date Received: 10/17/20 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	424127	10/22/20 02:22	EMJ	TAL SAC

Client Sample ID: J6038-T17A-101520 — Lab Sample ID: 320-65718-29

Date Collected: 10/15/20 10:55 — **Matrix: Water**
Date Received: 10/17/20 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	424127	10/22/20 02:45	EMJ	TAL SAC

Client Sample ID: J6038-T17B-101520 — Lab Sample ID: 320-65718-30

Date Collected: 10/15/20 11:50 — **Matrix: Water**
Date Received: 10/17/20 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		4	50 mL	50 mL	424127	10/22/20 05:28	EMJ	TAL SAC

Client Sample ID: J6038-T19B-101520 — Lab Sample ID: 320-65718-31

Date Collected: 10/15/20 08:14 — **Matrix: Water**
Date Received: 10/17/20 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	424127	10/22/20 03:09	EMJ	TAL SAC

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T21B-101520
Lab Sample ID: 320-65718-32
Date Collected: 10/15/20 13:46
Matrix: Water
Date Received: 10/17/20 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	50 mL	50 mL	424127	10/22/20 06:15	EMJ	TAL SAC

Client Sample ID: J6038-T22B-101520
Lab Sample ID: 320-65718-33
Date Collected: 10/15/20 11:45
Matrix: Water
Date Received: 10/17/20 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	50 mL	50 mL	424127	10/22/20 04:18	EMJ	TAL SAC

Client Sample ID: J6038-T23A-101520
Lab Sample ID: 320-65718-34
Date Collected: 10/15/20 10:59
Matrix: Water
Date Received: 10/17/20 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	424127	10/22/20 03:32	EMJ	TAL SAC

Client Sample ID: J6038-T23B-101520
Lab Sample ID: 320-65718-35
Date Collected: 10/15/20 10:57
Matrix: Water
Date Received: 10/17/20 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	50 mL	50 mL	424127	10/22/20 04:41	EMJ	TAL SAC

Client Sample ID: J6038-T24B-101520
Lab Sample ID: 320-65718-36
Date Collected: 10/15/20 09:03
Matrix: Water
Date Received: 10/17/20 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	50 mL	50 mL	424127	10/22/20 05:05	EMJ	TAL SAC

Client Sample ID: J6038-T25A-101520
Lab Sample ID: 320-65718-37
Date Collected: 10/15/20 10:05
Matrix: Water
Date Received: 10/17/20 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	424127	10/22/20 03:55	EMJ	TAL SAC

Client Sample ID: J6038-T25BS-101520
Lab Sample ID: 320-65718-38
Date Collected: 10/15/20 09:06
Matrix: Water
Date Received: 10/17/20 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		4	50 mL	50 mL	424127	10/22/20 05:51	EMJ	TAL SAC

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Client Sample ID: J6038-T25BD-101520

Lab Sample ID: 320-65718-39

Date Collected: 10/15/20 09:58
Date Received: 10/17/20 10:05

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	50 mL	50 mL	424127	10/22/20 06:38	EMJ	TAL SAC

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Job ID: 320-65718-1
Project/Site: NGC Microwave

Laboratory: Eurofins TestAmerica, Sacramento

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-22

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAC
5030B	Purge and Trap	SW846	TAL SAC

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: NGC Microwave

Job ID: 320-65718-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-65718-1	TRIPBLANK-J6038-101220-1	Water	10/12/20 11:45	10/17/20 10:05	
320-65718-2	J6038-T9A-101220	Water	10/12/20 12:00	10/17/20 10:05	
320-65718-3	J6038-38S-101320	Water	10/13/20 08:27	10/17/20 10:05	
320-65718-4	J6038-T4B-101320	Water	10/13/20 09:40	10/17/20 10:05	
320-65718-5	J6038-T5B-101320-1	Water	10/13/20 10:40	10/17/20 10:05	
320-65718-6	J6038-T5B-101320-2	Water	10/13/20 10:45	10/17/20 10:05	
320-65718-7	J6038-T7A-101320-1	Water	10/13/20 11:45	10/17/20 10:05	
320-65718-8	J6038-T7A-101320-2	Water	10/13/20 11:50	10/17/20 10:05	
320-65718-9	J6038-T7B-101320-1	Water	10/13/20 12:45	10/17/20 10:05	
320-65718-10	J6038-T7B-101320-2	Water	10/13/20 12:50	10/17/20 10:05	
320-65718-12	J6038-T8A-101320	Water	10/13/20 14:30	10/17/20 10:05	
320-65718-13	J6038-T8B-101320	Water	10/13/20 15:10	10/17/20 10:05	
320-65718-14	J6038-T9C-101420	Water	10/14/20 08:50	10/17/20 10:05	
320-65718-16	J6038-T10B-101420	Water	10/14/20 10:20	10/17/20 10:05	
320-65718-17	J6038-T10C-101420	Water	10/14/20 11:11	10/17/20 10:05	
320-65718-18	J6038-T11C-101420-1	Water	10/14/20 12:15	10/17/20 10:05	
320-65718-19	J6038-T11C-101420-2	Water	10/14/20 12:20	10/17/20 10:05	
320-65718-20	J6038-T12C-101420	Water	10/14/20 14:08	10/17/20 10:05	
320-65718-21	J6038-T13A-101420	Water	10/14/20 15:20	10/17/20 10:05	
320-65718-22	J6038-T18B-101420	Water	10/14/20 13:57	10/17/20 10:05	
320-65718-23	J6038-T20B-101420	Water	10/14/20 14:42	10/17/20 10:05	
320-65718-24	J6038-T19A-101420	Water	10/14/20 15:24	10/17/20 10:05	
320-65718-25	J6038-T14A-101520	Water	10/15/20 14:00	10/17/20 10:05	
320-65718-26	J6038-T15A-101520	Water	10/15/20 08:45	10/17/20 10:05	
320-65718-27	J6038-T16A-101520	Water	10/15/20 09:40	10/17/20 10:05	
320-65718-29	J6038-T17A-101520	Water	10/15/20 10:55	10/17/20 10:05	
320-65718-30	J6038-T17B-101520	Water	10/15/20 11:50	10/17/20 10:05	
320-65718-31	J6038-T19B-101520	Water	10/15/20 08:14	10/17/20 10:05	
320-65718-32	J6038-T21B-101520	Water	10/15/20 13:46	10/17/20 10:05	
320-65718-33	J6038-T22B-101520	Water	10/15/20 11:45	10/17/20 10:05	
320-65718-34	J6038-T23A-101520	Water	10/15/20 10:59	10/17/20 10:05	
320-65718-35	J6038-T23B-101520	Water	10/15/20 10:57	10/17/20 10:05	
320-65718-36	J6038-T24B-101520	Water	10/15/20 09:03	10/17/20 10:05	
320-65718-37	J6038-T25A-101520	Water	10/15/20 10:05	10/17/20 10:05	
320-65718-38	J6038-T25BS-101520	Water	10/15/20 09:06	10/17/20 10:05	
320-65718-39	J6038-T25BD-101520	Water	10/15/20 09:58	10/17/20 10:05	

BLAINE
TECH SERVICES, INC

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB EUROFINS -TA DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ RWQCB REGION
☐ LIA
☐ OTHER

CHAIN OF CUSTODY BTS # 201012JE-1

CLIENT GES

SITE NGC Microwave
825 Stewart Dr., Sunnyvale, CA

SPECIAL INSTRUCTIONS

Invoice to: NGC
Attn:
Report to: GES - Jennifer Clay 619-743-9953
JeClay@gesonline.com

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	HVOC's (8260B)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TRIPBLANK-J6038-101220-1	10/12/20	1145	W	2	40 ml VOA		X				
J6038-T9A-101220	10/12/2020	1200	W	3	40 ml VOA		X				
J6038-385-101320	10/13/2020	0827	W	3	40 ml VOA		X				
J6038-T4B-101320	10/13/2020	0940	W	3	40 ml VOA		X				
* J6038-T5B-101320-1	10/13/2020	1040	W	3	40 ml VOA		X				
* J6038-T5B-101320-2	10/13/2020	1045	W	3	40 ml VOA		X				
* J6038-T7A-101320-1	10/13/2020	1145	W	3	40 ml VOA		X				
J6038-T7A-101320-2	10/13/2020	1150	W	3	40 ml VOA		X				
☐ J6038-T7B-101320-1	10/13/2020	1245	W	3	40 ml VOA		X				
* J6038-T7B-101320-2	10/13/2020	1250	W	3	40 ml VOA		X				

320-65718 Chain of Custody

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	10/15/2020	1400	Elijah Jones, Robert Manos	Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	10/15/2020	1620	[signature] (SC)	10/15/2020	1620
[signature]	10/16/2020	1600	[signature] E7ASRC	10/17/20	1605

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #
FEDEX 7718 2604 6554	10/16/2020	1600	

Page: 1 of 4

* 1/3 bubble > 6mm ST 10/17/20
☐ 7/3 bubble > 6mm ST 10/17/20

0.8 con 1.2

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY BTS # 201012J6-1

CLIENT GES

SITE NGC Microwave
825 Stewart Dr., Sunnyvale, CA

CONDUCT ANALYSIS TO DETECT: HVOC's (8260B)

C = COMPOSITE ALL CONTAINERS

LAB EUROFINS -TA DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ RWQCB REGION
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS

Invoice to: NGC

Attn:

Report to: GES - Jennifer Clay 619-743-9953
JeClay@gesonline.com

SAMPLE I.D.	DATE	TIME	MATRIX So = SOIL W = H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	HVOC's (8260B)						ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
* ✱ TRIP BLANK - J6038-101320	10/13/2020	0700	W	2	40 mL VOA		X									
* J6038-T8A-101320	10/13/2020	1430	W	3	40 mL VOA		X									
☐ J6038-T8B-101320	10/13/2020	1510	W	3	40 mL VOA		X									
☐ J6038-T9C-101420	10/14/2020	0850	W	3	40 mL VOA		X									
⊖ TRIP BLANK - J6038-101420-2	10/14/20	0700	W	3	40 mL VOA		X									
J6038-T10B-101420	10/14/2020	1020	W	3	40 mL VOA		X									
* ☐ J6038-T10C-101420	10/14/2020	1111	W	3	40 mL VOA		X									
* ☐ J6038-T11C-101420-1	10/14/2020	1215	W	3	40 mL VOA		X									
☐ * ✱ J6038-T11C-101420-2	10/14/2020	1220	W	3	40 mL VOA		X									
* J6038-T12C-101420	10/14/2020	1408	W	3	40 mL VOA		X									

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	10/15/2020	1400	Robert Manos	Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Robert Manos	10/15/2020	1620	(SC)	10/15/2020	1620
	10/16/2020	1600		10/17/20	1005

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #
FEDEX 7718 2604 6554	10/16/2020	1600	

Page: 2 of 4

✱ 10 TRIP Blank - J6038-101320 ST 10/17/20
+ 1/2 bubble > 6mm ST 10/17/20
☐ 2/3 bubble > 6mm ST 10/17/20
☐ 1/3 VOA bubble > 6mm ST 10/17/20
Δ 3/3 bubble > 6mm ST 10/17/20
✱ ST 10/17/20
⊖ only received 2 ST 10/17/20
0.8 cm 1.2

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10/30/2020

ED_006475C_00002801-00253

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB: EUROFINS -TA | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
- ☐ EPA
- ☐ LIA
- ☐ OTHER
- ☐ RWQCB REGION

CHAIN OF CUSTODY — BTS # 201012 JG-1

CLIENT: GES

SITE: NGC Microwave
825 Stewart Dr., Sunnyvale, CA

SPECIAL INSTRUCTIONS

Invoice to: NGC

Attn:

Report to: GES - Jennifer Clay 619-743-9953
JeClay@gesonline.com

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	HVOC's (8260B)						ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
J6038-T13A-101420	10/14/2020	1520	W	3	40 mL VOA		X									
○ J6038-T18B-101420	10/14/2020	1357	W	3	40 mL VOA		X									
J6038-T20B-101420	10/14/2020	1442	W	3	40 mL VOA		X									
△ J6038-T19A-101420	10/14/2020	1524	W	3	40 mL VOA		X									
J6038-T14A-101520	10/15/2020	1400	W	3	40 mL VOA		X									
J6038-T15A-101520	10/15/2020	0845	W	3	40 mL VOA		X									
J6038-T16A-101520	10/15/2020	0940	W	3	40 mL VOA		X									
* TRIP BLANK-J6038-101520-3	10/15/20	0705	W	3	40 mL VOA		X									
□ J6038-T17A-101520	10/15/2020	1055	W	3	40 mL VOA		X									
J6038-T17B-101520	10/15/2020	1150	W	3	40 mL VOA		X									

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	10/15/2020	1400	Robert Manos, Tomas Moore	Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	10/15/2020	1620	[signature] (SC)	10/15/2020	1620
[signature]	10/16/2020	1600	[signature] EPA Sac	10/17/20	1005

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	
FedEx 7718 2604 6554	10/16/2020	1600		Page: 3 of 4

○ ID J6038-T18-B-101420 ST 10/17/20
△ ID J6038-T-19A-101420 1/3 vials ST 10/17/20
□ 1/3 unabbtle > 6mm ST 10/17/20

*only received 2 ST 10/17/20

0.8 cm 1.2

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB: EUROFINS -TA | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ RWQCB REGION
☐ LIA
☐ OTHER

CHAIN OF CUSTODY: BTS # 201012JE-1

CLIENT: GES

SITE: NGC Microwave
825 Stewart Dr., Sunnyvale, CA

SPECIAL INSTRUCTIONS

Invoice to: NGC

Attn:

Report to: GES - Jennifer Clay 619-743-9953
JeClay@gesonline.com

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	HVOC's (8260B)						ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
Δ J6038-T19B-101520	10/15/2020	0814	W	3			X									
J6038-T21B-101520	10/15/2020	1346	W	3			X									
J6038-T22B-101520	10/15/2020	1145	W	3			X									
J6038-T23A-101520	10/15/2020	1059	W	3			X									
○ J6038-T23B-101520	10/15/2020	1057	W	3			X									
□ J6038-T24B-101520	10/15/2020	0903	W	3			X									
J6038-T25A-101520	10/15/2020	1005	W	3			X									
J6038-T25BS-101520	10/15/2020	0906	W	3			X									
* J6038-T25BD-101520	10/15/2020	0958	W	3			X									

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	10/15/2020	1400	Robert Manos, Oscar Vera, Cristian Garcia	Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	10/15/2020	1620	[signature] (SC)	10/15/2020	1620
[signature]	10/16/2020	1600	[signature]	10/17/20	1005

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	
FEDEX 7718 2604 6554	10/16/2020	1600		Page: 4 of 4

Δ ID J6038-T-19B-101520 ST 10/17/20
○ ID J6038-T-23B-101520 ST 10/17/20
□ ID J6038-T-24B-101520 ST 10/17/20
* 2/3 ID J6038-T-25Bd-101520 ST 10/17/20

0.5 Cu 1-2

BLAINE TECH SERVICES, INC

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY — BTS # 201038-1

CLIENT: GES

SITE: NGC Microwave
825 Stewart Dr., Sunnyvale, CA

CONDUCT ANALYSIS TO DETECT: HVOC's (8260B)

LAB: EUROFINS -TA | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ LIA ☐ OTHER ☐ RWQCB REGION

SPECIAL INSTRUCTIONS
Invoice to: NGC
Attn:
Report to: GES - Jennifer Clay 619-743-9953
JeClay@gesonline.com

SAMPLE I.D.	DATE	TIME	MATRIX S=SOIL W=H2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	HVOC's (8260B)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TRIP BLANK - J6038-101220-1	10/12/20	1145	W	2	40 ml VOA		X				
J6038 - T9A - 101220	10/12/2020	1200	W	3	40 ml VOA		X				
J6038 - 3B9 - 101320	10/13/2020	0827	W	3	40 ml VOA		X				
J6038 - T4B - 101320	10/13/2020	0940	W	3	40 ml VOA		X				
J6038 - T5B - 101320-1	10/13/2020	1040	W	3	40 ml VOA		X				
J6038 - T5B - 101320-2	10/13/2020	1045	W	3	40 ml VOA		X				
J6038 - T7A - 101320-1	10/13/2020	1145	W	3	40 ml VOA		X				
J6038 - T7A - 101320-2	10/13/2020	1150	W	3	40 ml VOA		X				
J6038 - T7B - 101320-1	10/13/2020	1245	W	3	40 ml VOA		X				
J6038 - T7B - 101320-2	10/13/2020	1250	W	3	40 ml VOA		X				

320-65718 Chain of Custody

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	10/13/2020	1400	Elijah Jones, Robert Manos	Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	10/13/2020	1620	[signature] (SC)	10/13/2020	1620
[signature]	10/16/2020	1600	[signature] FedEx	10/17/20	0815

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	
FEDEX 7716 2604 6534	10/16/2020	1600		Page: 1 of 4

* 1/3 bottle 7 bottle 10/17/20
☐ 2/3 bottle 7 bottle 10/17/20

6.5 to 1-2

BLAINE TECH SERVICES, INC

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY BTS # 201012JG-1

CLIENT: GES

SITE: NGC Microwave
825 Stewart Dr., Sunnyvale, CA

CONDUCT ANALYSIS TO DETECT

LAB: EUROFINS -TA | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ RWOCB REGION
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS

Invoice to: NGC

Attn:

Report to: GES - Jennifer Clay 619-743-9953
JeClay@gesonline.com

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL	CONTAINERS	C = COMPOSITE ALL CONTAINERS	HVOC's (8260B)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
~~TRIPBLANK J6038-101320~~	~~10/13/2020~~	~~0700~~	~~W~~	~~2~~	~~40 mL VOA~~		~~X~~	GC			
J6038-T8A-101320	10/13/2020	1430	W	3	40 mL VOA		X				
J6038-T8B-101320	10/13/2020	1510	W	3	40 mL VOA		X				
J6038-T9C-101420	10/14/2020	0850	W	3	40 mL VOA		X				
~~TRIPBLANK J6038-101420-2~~	~~10/14/20~~	~~0700~~	~~W~~	~~3~~	~~40 mL VOA~~		~~X~~	GC			
J6038-T10B-101420	10/14/2020	1020	W	3	40 mL VOA		X				
J6038-T10C-101420	10/14/2020	1111	W	3	40 mL VOA		X				
J6038-T11C-101420-1	10/14/2020	1215	W	3	40 mL VOA		X				
J6038-T11C-101420-2	10/14/2020	1220	W	3	40 mL VOA		X				
J6038-T12C-101420	10/14/2020	1408	W	3	40 mL VOA		X				

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	10/15/2020	1400	Robert Manos	Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Robert Manos	10/15/2020	1620	[signature] (SC)	10/15/2020	1620
[signature]	10/16/2020	1600	[signature] EZAfoc	10/17/20	1005

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	
FEDEX 7718 2604 6554	10/16/2020	1600		Page: 2 of 4

* 1D TRIPBlank - J6038-101320 ST 10/17/20
+ 1/2 bubble > 6mm ST 10/17/20
☐ 2/3 bubble > 6mm ST 10/17/20
○ 1/3 VOA bubble > 6mm ST 10/17/20 0.8 cool 1.2
△ 3/3 bubble > 6mm ST 10/17/20
⊘ ST 10/17/20
⊖ only received 2 ST 10/17/20

BLAINE
TECH SERVICES, INC

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB: EUROFINS -TA | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ RWQCB REGION
☐ LIA
☐ OTHER

CHAIN OF CUSTODY: BTS # 201012 JE-1

CLIENT: GES

SITE: NGC Microwave
825 Stewart Dr., Sunnyvale, CA

SPECIAL INSTRUCTIONS

Invoice to: NGC

Attn:

Report to: GES - Jennifer Clay 619-743-9953
JeClay@gesonline.com

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	HVOC's (8260B)						ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
J6038-T13A-101420	10/14/2020	1520	W	3	40 mL VOA		X									
○ J6038-T18B-101420	10/14/2020	1357	W	3	40 mL VOA		X									
J6038-T20B-101420	10/14/2020	1442	W	3	40 mL VOA		X									
△ J6038-T19A-101420	10/14/2020	1524	W	3	40 mL VOA		X									
J6038-T14A-101520	10/15/2020	1400	W	3	40 mL VOA		X									
J6038-T15A-101520	10/15/2020	0845	W	3	40 mL VOA		X									
J6038-T16A-101520	10/15/2020	0940	W	3	40 mL VOA		X									
~~TRIP BLANK J6038-101520 3 10/15/20~~		~~0705~~	~~W~~	~~3~~	~~40 mL VOA~~		~~X~~									
□ J6038-T17A-101520	10/15/2020	1055	W	3	40 mL VOA		X									
J6038-T17B-101520	10/15/2020	1150	W	3	40 mL VOA		X									

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	10/15/2020	1400	Robert Manos, Tomas Moore	Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Dave Marsh	10/15/2020	1620	[signature] (SC)	10/15/2020	1620
[signature]	10/16/2020	1600	[signature] EPA Soil	10/17/20	1005

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	
FedEx 7718 2604 6554	10/16/2020	1600		Page: 3 of 4

○ ID J6038-T18-B-101420 ↺ 10/17/20
△ ID J6038-T-19A-101420 1/3 vials ↺ 10/17/20
□ 1/3 reliability > Gauss ↺ 10/17/20

*only received 2 ↺ 10/17/20 0.8 cm 4.2

BLAINE
TECH SERVICES, INC

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB: EUROFINS -TA | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
- ☐ EPA
- ☐ LIA
- ☐ OTHER
- ☐ RWQCB REGION

CHAIN OF CUSTODY: BTS # 201012J6-1

CLIENT: GES

SITE: NGC Microwave
825 Stewart Dr., Sunnyvale, CA

SPECIAL INSTRUCTIONS

Invoice to: NGC

Attn:

Report to: GES - Jennifer Clay 619-743-9953
JeClay@gesonline.com

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL	C = COMPOSITE ALL CONTAINERS	HVOCs (8260B)						ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
J6038-T19B-101520	10/15/2020	0814	W	3		X									
J6038-T21B-101520	10/15/2020	1346	W	3		X									
J6038-T22B-101520	10/15/2020	1145	W	3		X									
J6038-T23A-101520	10/15/2020	1059	W	3		X									
J6038-T23B-101520	10/15/2020	1057	W	3		X									
J6038-T24B-101520	10/15/2020	0903	W	3		X									
J6038-T25A-101520	10/15/2020	1005	W	3		X									
J6038-T25BS-101520	10/15/2020	0906	W	3		X									
*J6038-T25BD-101520	10/15/2020	0958	W	3		X									

SAMPLING COMPLETED: DATE 10/15/2020 TIME 1900

SAMPLING PERFORMED BY: Robert Manos, Oscar Vera, Cristian Ortiz

RESULTS NEEDED NO LATER THAN: **Standard TAT**

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Robert Manos	10/15/2020	1620	(SC)	10/15/2020	1620
	10/16/2020	1600		10/17/20	1005

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #
FEDEX 7718 2604 6334	10/16/2020	1600	Page: 4 of 4

S ID J6038-T-19B-101520 ST 10/17/20
O ID J6038-T-23B-101520 ST 10/17/20
☐ ID J6038-T-24B-101520 ST 10/17/20

*2/3 ID J6038-T-25BD-101520 ST 10/17/20

0.5 ea 1-2

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 320-65718-1

Login Number: 65718
List Number: 1
Creator: Thompson, Sarah W

List Source: Eurofins TestAmerica, Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1092145
Sample custody seals, if present, are intact.	True	custody seals on both containers for sample 1
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	IDs on containers do not match the COC. Logged in per COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	False	refer to job narrative
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	False	Headspace larger than 1/4".
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix F – Off-Site Monitoring Wells Table and Data

Appendix F Table
2020 Groundwater Volatile Organic Compound Results
Off-site Monitoring Wells
825 Stewart Drive, Sunnyvale, California

Well ID	Zone	Groundwater Elevation ft MSL[b]	Sample Date	Contaminants of Concern[a] PCE µg/L[c]	TCE µg/L	cDCE µg/L	tDCE µg/L	VC µg/L	1,1,1-TCA µg/L	1,1-DCE µg/L	1,1-DCA µg/L	Freon 113 µg/L	Data Source
Drinking Water Standard[d]				***5***	***5***	***6***	***10***	***0.5***	***200***	***6***	***5***	***1,200***	
S005A	A	34.51	11/23/2020	ND<2.5	**200**	**94**	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	6.3	Philips Electronics / Signetics Site Monitoring Well
S074A	A	32.39	NA[f]	--[g]	--	--	--	--	--	--	--	--	Offsite Operable Unit (OOU) & Signetics Site Monitoring Well
S079A	A	35.80	11/18/2020	ND<0.5	**41**	5.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.1	Philips Electronics / Signetics Site Monitoring Well
S005B1	B1	33.53	11/23/2020	ND<10	**450**	**370**	ND<10	ND<10	ND<10	ND<10	ND<10	22	Philips Electronics / Signetics Site Monitoring Well
S073B1	B1	30.26	12/7/2020	ND<2.0	**10**	**140**	2.2	**84**	ND<2.0	ND<2.0	ND<2.0	ND<2.0	OOU & Signetics Site Monitoring Well
S074B1	B1	32.09	12/7/2020	ND<0.5	**25**	**71**	0.77	**0.97**	ND<0.5	ND<0.5	ND<0.5	0.84	OOU & Signetics Site Monitoring Well
S111B1	B1	35.39	11/5/2020	ND<2.0	**200**	**190**	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	Philips Electronics / Signetics Site Monitoring Well

Notes:
(a) PCE = Tetrachloroethene; TCE = Trichloroethene; cDCE = cis-1,2-dichloroethene; tDCE = trans-1,2-dichloroethene; VC = Vinyl Chloride; 1,1,1-TCA = 1,1,1-trichloroethane; 1,1-DCE = 1,1-dichloroethene; 1,1-DCA = 1,1-dichloroethane; Freon 113 = 1,1,2-trichloro-1,2,2-trifluoroethane
(b) ft MSL = feet above mean sea level
(c) µg/L = microgram per liter
(d) 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.
(e) ND< = Not Detected at indicated laboratory reporting limit (RL).
(f) NA = Not Applicable
(g) -- = Not analyzed
Concentrations reported above MCLs are shown in **bold**.
Data provided by Phillips and OOU.
Data from AMD property listed in the report tables.

TABLE 1
2020 WATER ELEVATION REPORT
PHILIPS ELECTRONICS
811 EAST ARQUES AVENUE, SUNNYVALE, CALIFORNIA

Well ID	Aquifer	Measure Point Elevation (feet, msl)	8 October 2020 Water Elevation (feet, msl)
440S*	A	31.45	NA
440T*	A	43.77	NA
811T*	A	48.41	NA
G4	A	46.89	NA
M2	A	47.85	NA
R2	A	48.49	37.55
S001A	A	49.30	41.94
S003A	A	47.24	36.95
S004A	A	44.92	35.38
S005A	A	41.44	34.51
S006A	A	46.09	37.18
S007A	A	45.89	NA
S021AR	A	52.81	NA
S024A	A	47.44	38.46
S025A	A	44.73	32.15
S026A	A	44.93	31.91
S027A	A	43.89	36.29
S028A	A	45.12	36.65
S033A	A	47.54	38.21
S043A	A	42.69	32.96
S048A	A	42.81	33.26
S049A	A	45.20	35.00
S068A^	A	NA	NA
S069A^	A	NA	NA
S079A	A	42.37	35.80
S080A	A	42.82	36.40
S081A	A	43.52	36.96
S082A	A	44.66	36.92
S083A	A	44.42	36.52
S088A	A	46.18	32.73
S090A	A	44.05	37.38
S092A*	A	41.87	33.66
S100A*	A	42.32	32.23

Highlighted = Data used for TRW Microwave Report

ED_006475C_00002801-00263

TABLE 1
2020 WATER ELEVATION REPORT
PHILIPS ELECTRONICS
811 EAST ARQUES AVENUE, SUNNYVALE, CALIFORNIA

Well ID	Aquifer	Measure Point Elevation (feet, msl)	8 October 2020 Water Elevation (feet, msl)
S101A*	A	41.99	33.67
S134A	A	46.51	38.31
S135A	A	43.47	33.08
S136A	A	49.26	36.45
S137A*	A	48.30	35.85
S138A*	A	48.95	35.66
S139A*	A	48.63	35.32
S140A*	A	49.01	35.34
S141A	A	49.51	35.11
S142A*	A	48.50	35.08
S143A*	A	48.12	35.07
S144A*	A	46.83	34.76
S145A*	A	48.98	35.39
S146A*	A	48.85	36.09
S157A	A	49.24	44.22
PZ012B1^	B1	NA	NA
PZ034B1	B1	44.57	31.02
PZ077B1	B1	43.45	32.94
S001B1	B1	49.61	44.97
S003B1	B1	48.04	37.37
S004B1	B1	45.05	35.39
S005B1	B1	41.17	33.53
S024B1	B1	47.36	38.13
S025B1	B1	44.40	29.56
S026B1	B1	44.54	32.04
S027B1	B1	43.56	36.15
S028B1	B1	45.82	36.37
S048B1	B1	42.63	32.88
S049B1	B1	45.47	39.24
S065B1	B1	43.52	30.96

Highlighted = Data used for TRW Microwave Report

ED_006475C_00002801-00264

TABLE 1
2020 WATER ELEVATION REPORT
PHILIPS ELECTRONICS
811 EAST ARQUES AVENUE, SUNNYVALE, CALIFORNIA

Well ID	Aquifer	Measure Point Elevation (feet, msl)	8 October 2020 Water Elevation (feet, msl)
S068B1^	B1	NA	NA
S069B1^	B1	NA	NA
S080B1	B1	42.76	34.36
S082B1	B1	44.58	NA
S100B1*	B1	41.45	31.35
S101B1*	B1	41.89	27.64
S111B1	B1	43.44	35.39
S133B1	B1	48.79	40.57
S134B1	B1	46.27	39.76
S141B1*	B1	48.50	37.46
S147B1*	B1	42.64	4.94
S148B1*	B1	42.05	1.05
S149B1*	B1	41.68	27.53
S153B1	B1	43.14	35.19
S154B1*	B1	42.90	28.60
S157B1	B1	49.14	42.20
PZ012B2^	B2	NA	NA
PZ022B2^	B2	NA	NA
PZ034B2	B2	44.60	29.08
PZ077B2	B2	43.32	33.70
S048B2*	B2	42.33	27.91
S154B2*	B2	44.18	23.08
PZ012B3^	B3	NA	NA
PZ034B3	B3	44.73	29.98
S003B3	B3	48.78	43.79
S005B3	B3	41.13	42.71
S048B3	B3	42.68	39.69
S101B3	B3	42.12	38.23
S154B3*	B3	44.26	24.46
S025B4	B4	44.25	44.04

Highlighted = Data used for TRW Microwave Report

TABLE 1
2020 WATER ELEVATION REPORT
PHILIPS ELECTRONICS
811 EAST ARQUES AVENUE, SUNNYVALE, CALIFORNIA

Well ID	Aquifer	Measure Point Elevation (feet, msl)	8 October 2020 Water Elevation (feet, msl)
S100B4	B4	41.77	44.48
S101B4	B4	42.27	44.37

Notes:
* - Extraction well
^ - Well decommissioned
msl - mean sea level
NA - Data not available
Active wells were resurveyed in December 2018

TABLE 1
2020 WATER ELEVATION REPORT
THE COMPANIES OFFSITE OPERABLE UNIT
SUNNYVALE, CALIFORNIA

Well ID	Aquifer	Measure Point Elevation (feet, msl)	8-9 October 2020 Water Elevation (feet, msl)
COM01A	A	33.13	24.25
COM02A	A	31.20	21.77
COM03A	A	28.56	19.48
COM04A	A	30.04	21.97
COM05A	A	27.60	16.99
COM06A*	A	35.24	24.07
COM06AEH	A	35.74	26.87
COM08A*	A	35.82	21.85
COM10A*	A	35.92	24.52
COM11A	A	29.91	22.44
COM16A*	A	35.82	27.37
COM17AH	A	29.00	18.89
COM18AH	A	35.92	27.85
COM19AH	A	35.06	27.94
COM20AH	A	34.96	27.65
COM22AH	A	28.73	18.74
COM23AH	A	28.48	19.05
COM24AH	A	29.44	18.90
COM25AH	A	28.51	18.92
COM26AH	A	28.98	19.24
COM27AH	A	29.69	19.61
COM29A	A	37.54	28.85
COM29A2	A	37.65	29.09
COM37A*	A	28.11	18.31
COM38A*	A	28.21	18.98
COM39A*	A	27.55	16.71
COM43A*	A	28.33	19.00
COM44A	A	31.44	21.98
COM49A	A	23.19	11.36
COM55A*	A	30.54	21.06
S067A	A	39.39	31.02
S071A	A	40.59	32.27
S072A	A	37.50	28.14
S073A	A	38.30	30.47
S074A	A	39.57	32.39
S075A1	A	38.53	29.87
S075A2	A	38.73	30.05
S076A	A	37.03	28.40
S077A	A	39.92	30.05
S078A	A	38.80	31.21
S150A	A	41.23	NA
S151A	A	41.54	33.45

Highlighted = Data used for TRW Microwave Report

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TABLE 1
2020 WATER ELEVATION REPORT
THE COMPANIES OFFSITE OPERABLE UNIT
SUNNYVALE, CALIFORNIA

Well ID	Aquifer	Measure Point Elevation (feet, msl)	8-9 October 2020 Water Elevation (feet, msl)
S152A	A	41.39	33.76
COM01B1*	B1	32.93	17.89
COM02B1	B1	31.35	21.57
COM03B1*	B1	28.27	0.32
COM05B1	B1	28.17	16.91
COM06B1H	B1	35.54	23.79
COM07B1	B1	35.95	26.70
COM09B1	B1	36.45	22.64
COM10B1H	B1	36.61	20.71
COM11B1	B1	29.59	21.19
COM17B1H	B1	29.04	10.18
COM23B1H	B1	28.71	16.30
COM27B1H	B1	29.10	19.19
COM29B1	B1	38.25	28.93
COM31B1*	B1	35.91	4.61
COM32B1	B1	35.72	23.74
COM33B1	B1	26.50	13.86
COM34B1	B1	35.80	26.42
COM37B1	B1	29.10	18.48
COM38B1*	B1	27.96	-0.49
COM41B1*	B1	25.49	12.42
COM42B1	B1	28.59	17.69
COM43B1	B1	28.87	18.81
COM45B1*	B1	27.69	10.24
COM47B1	B1	27.93	19.66
COM48B1	B1	26.40	14.95
COM50B1	B1	22.92	11.61
COM51B1	B1	27.90	18.90
COM55B1	B1	31.16	21.24
COM59B1*	B1	32.46	19.34
COM60B1*	B1	27.28	-4.20
COM62B1*	B1	25.28	-7.55
COM63B1	B1	18.36	9.79
COM64B1	B1	15.36	7.80
PZ006B1	B1	NA	NA
PZ029B1	B1	NA	NA
S067B1	B1	39.42	31.39
S071B1	B1	41.18	30.17
S072B1	B1	37.38	28.12
S073B1	B1	38.39	30.26
S074B1	B1	39.45	32.09
S075B1	B1	38.70	28.86

Highlighted = Data used for TRW Microwave Report

ED_006475C_00002801-00268

TABLE 1
2020 WATER ELEVATION REPORT
THE COMPANIES OFFSITE OPERABLE UNIT
SUNNYVALE, CALIFORNIA

Well ID	Aquifer	Measure Point Elevation (feet, msl)	8-9 October 2020 Water Elevation (feet, msl)
S076B1	B1	36.60	24.60
S077B1	B1	39.70	29.95
S078B1	B1	39.02	31.67
COM01B2*	B2	32.76	4.13
COM02B2	B2	31.12	22.62
COM03B2*	B2	27.79	-14.55
COM05B2	B2	27.89	16.76
COM06B2*	B2	35.24	-3.17
COM08B2	B2	35.73	24.39
COM08B2EH	B2	36.26	24.49
COM15B2	B2	38.27	27.24
COM18B2H	B2	35.97	28.88
COM21B2H	B2	34.69	23.23
COM23B2H	B2	28.82	16.57
COM35B2	B2	27.47	15.28
COM36B2	B2	36.53	33.15
COM43B2	B2	28.93	19.12
COM46B2*	B2	25.02	-1.42
COM49B2	B2	23.05	11.94
COM51B2	B2	27.96	21.02
COM52B2	B2	23.61	12.21
COM59B2*	B2	32.38	-2.28
COM60B2*	B2	27.27	-1.95
COM61B2*	B2	24.58	4.48
COM63B2	B2	18.47	13.46
COM65B2	B2	15.24	7.77
PZ006B2	B2	NA	NA
COM03B3	B3	28.52	21.40
COM06B3*	B3	35.25	21.25
COM09B3*	B3	35.73	-8.09
COM11B3	B3	29.80	22.50
COM15B3	B3	38.18	30.07
COM17B3H	B3	28.80	23.98
COM27B3H	B3	29.56	19.28
COM33B3	B3	26.51	18.79
COM36B3	B3	36.70	37.07
COM38B3	B3	28.80	17.57
COM43B3	B3	28.89	21.43
COM45B3	B3	28.30	23.95
COM49B3	B3	23.13	17.05
COM53B3	B3	33.76	25.53
COM54B3	B3	31.23	25.42

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TABLE 1
2020 WATER ELEVATION REPORT
THE COMPANIES OFFSITE OPERABLE UNIT
SUNNYVALE, CALIFORNIA

Well ID	Aquifer	Measure Point Elevation (feet, msl)	8-9 October 2020 Water Elevation (feet, msl)
COM56B3	B3	32.92	23.43
PZ029B3	B3	NA	NA
COM01B4	B4	32.89	26.21
COM06B4*	B4	35.26	-35.50
COM08B4	B4	36.42	25.93
COM09B4	B4	36.57	29.30
COM15B4	B4	38.13	35.06
COM41B4	B4	26.42	20.49
COM53B4	B4	33.82	26.87
COM54B4	B4	31.25	26.82
COM01B5	B5	32.93	32.73

Notes:
* - Extraction well
^ - Well decommissioned
msl - mean sea level
NA - Data not available
Wells were resurveyed in December 2018

ED_006475C_00002801-00270

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S001A	S001B1	S003A	S003B1	S004B1	S005A	S005B1	S005B1
Date Sampled		11/05/2020	11/05/2020	11/05/2020	11/05/2020	11/05/2020	11/23/2020	11/23/2020	11/23/2020
Analysis Date		11/15/2020	11/15/2020	11/15/2020	11/15/2020	11/15/2020	11/27/2020	11/27/2020	11/27/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	FD	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
1,1,1,2-Tetrachloroethane	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
1,1,1-Trichloroethane (TCA)	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
1,1,2,2-Tetrachloroethane	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
1,1,2-Trichloroethane	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
1,1,2-Trichlorotrifluoroethane (CFC 113)	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	6.3	22	21
1,1-Dichloroethane (1,1-DCA)	ug/l	ND 0.50	ND 0.50	4.6	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
1,1-Dichloroethene (1,1-DCE)	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
1,1-Dichloropropene	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
1,2,3-Trichlorobenzene	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
1,2,3-Trichloropropane	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
1,2,4-Trichlorobenzene	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
1,2,4-Trimethylbenzene	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
1,2-Dibromoethane (EDB)	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
1,2-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
1,2-Dichloroethane	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
1,2-Dichloropropane	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
1,3,5-Trimethylbenzene	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
1,3-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
1,3-Dichloropropane	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
1,4-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
2,2-Dichloropropane	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
2-Butanone (MEK)	ug/l	ND 2.0	ND 2.0	ND 8.0	ND 2.0	ND 2.0	ND 10	ND 40	ND 40
2-Chlorotoluene	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
2-Hexanone	ug/l	ND 2.0	ND 2.0	ND 8.0	ND 2.0	ND 2.0	ND 10	ND 40	ND 40
4-Chlorotoluene	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10

Notes:
ND - Result was below the detection limit
NT - Sample not tested for the given parameter
J - Estimated value below RL but above MDL
B - Analyte was present in an associated method blank

Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S001A	S001B1	S003A	S003B1	S004B1	S005A	S005B1	S005B1
Date Sampled		11/05/2020	11/05/2020	11/05/2020	11/05/2020	11/05/2020	11/23/2020	11/23/2020	11/23/2020
Analysis Date		11/15/2020	11/15/2020	11/15/2020	11/15/2020	11/15/2020	11/27/2020	11/27/2020	11/27/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	FD	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
4-Isopropyltoluene	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
Acetone	ug/l	ND 10	ND 10	ND 40	ND 10	ND 10	ND 50	ND 200	ND 200
Benzene	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
Bromobenzene	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
Bromochloromethane	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
Bromodichloromethane	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
Bromoform	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
Bromomethane	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
Carbon Disulfide	ug/l	ND 2.0	ND 2.0	ND 8.0	ND 2.0	ND 2.0	ND 10	ND 40	ND 40
Carbon Tetrachloride	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
Chlorobenzene	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
Chloroethane	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
Chloroform	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
Chloromethane	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
cis-1,2-Dichloroethene	ug/l	ND 0.50	ND 0.50	160	ND 0.50	ND 0.50	94	370	350
cis-1,3-Dichloropropene	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
Dibromochloromethane	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
Dibromomethane	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
Dichlorodifluoromethane (CFC 12)	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
Ethylbenzene	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
Hexachlorobutadiene	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
Isopropylbenzene	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
Methyl Isobutyl Ketone	ug/l	ND 2.0	ND 2.0	ND 8.0	ND 2.0	ND 2.0	ND 10	ND 40	ND 40
Methylene Chloride	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
MTBE	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
n-Butylbenzene	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20

Notes:
ND - Result was below the detection limit
NT - Sample not tested for the given parameter
J - Estimated value below RL but above MDL
B - Analyte was present in an associated method blank

Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S001A	S001B1	S003A	S003B1	S004B1	S005A	S005B1	S005B1
Date Sampled		11/05/2020	11/05/2020	11/05/2020	11/05/2020	11/05/2020	11/23/2020	11/23/2020	11/23/2020
Analysis Date		11/15/2020	11/15/2020	11/15/2020	11/15/2020	11/15/2020	11/27/2020	11/27/2020	11/27/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	FD	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
n-Propylbenzene	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
Naphthalene	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
sec-Butylbenzene	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
Styrene	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
tert-Butylbenzene	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
Tetrachloroethene (PCE)	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
Toluene	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
trans-1,2-Dichloroethene	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
trans-1,3-Dichloropropene	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
Trichloroethene (TCE)	ug/l	4.8	3.5	9.6	0.88	ND 0.50	200	450	440
Trichlorofluoromethane (CFC 11)	ug/l	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 5.0	ND 20	ND 20
Vinyl Acetate	ug/l	ND 2.0	ND 2.0	ND 8.0	ND 2.0	ND 2.0	ND 10	ND 40	ND 40
Vinyl Chloride	ug/l	ND 0.50	ND 0.50	5.5	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10
Xylenes, Total	ug/l	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 0.50	ND 2.5	ND 10	ND 10

Notes:
ND - Result was below the detection limit
NT - Sample not tested for the given parameter
J - Estimated value below RL but above MDL
B - Analyte was present in an associated method blank

Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S005B3	S006A	S007A	S024A	S024B1	S025A	S025A	S025B1
Date Sampled		11/23/2020	11/18/2020	11/18/2020	11/18/2020	11/18/2020	09/14/2020	11/06/2020	11/18/2020
Analysis Date		11/27/2020	11/25/2020	11/25/2020	11/25/2020	11/27/2020	09/17/2020	11/17/2020	11/25/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	FD
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
1,1,1,2-Tetrachloroethane	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
1,1,1-Trichloroethane (TCA)	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
1,1,2,2-Tetrachloroethane	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
1,1,2-Trichloroethane	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
1,1,2-Trichlorotrifluoroethane (CFC 113)	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	6.6	5.1	ND 5.0	ND 50
1,1-Dichloroethane (1,1-DCA)	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
1,1-Dichloroethene (1,1-DCE)	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
1,1-Dichloropropene	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
1,2,3-Trichlorobenzene	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
1,2,3-Trichloropropane	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
1,2,4-Trichlorobenzene	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
1,2,4-Trimethylbenzene	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
1,2-Dibromoethane (EDB)	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
1,2-Dichlorobenzene	ug/l	ND 0.50	24	21	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
1,2-Dichloroethane	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
1,2-Dichloropropane	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
1,3,5-Trimethylbenzene	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
1,3-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
1,3-Dichloropropane	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
1,4-Dichlorobenzene	ug/l	ND 0.50	1.6	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
2,2-Dichloropropane	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
2-Butanone (MEK)	ug/l	ND 2.0	ND 2.0	ND 40	ND 2.0	ND 4.0	ND 20	ND 20	ND 200
2-Chlorotoluene	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
2-Hexanone	ug/l	ND 2.0	ND 2.0	ND 40	ND 2.0	ND 4.0	ND 20	ND 20	ND 200
4-Chlorotoluene	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50

Notes:
ND - Result was below the detection limit
NT - Sample not tested for the given parameter
J - Estimated value below RL but above MDL
B - Analyte was present in an associated method blank

Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S005B3	S006A	S007A	S024A	S024B1	S025A	S025A	S025B1
Date Sampled		11/23/2020	11/18/2020	11/18/2020	11/18/2020	11/18/2020	09/14/2020	11/06/2020	11/18/2020
Analysis Date		11/27/2020	11/25/2020	11/25/2020	11/25/2020	11/27/2020	09/17/2020	11/17/2020	11/25/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	FD
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
4-Isopropyltoluene	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
Acetone	ug/l	ND 10	ND 10	ND 200	ND 10	ND 20	ND 100	ND 100	ND 1000
Benzene	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
Bromobenzene	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
Bromochloromethane	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
Bromodichloromethane	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
Bromoform	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
Bromomethane	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
Carbon Disulfide	ug/l	ND 2.0	ND 2.0	ND 40	ND 2.0	ND 4.0	ND 20	ND 20	ND 200
Carbon Tetrachloride	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
Chlorobenzene	ug/l	ND 0.50	19	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
Chloroethane	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
Chloroform	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
Chloromethane	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
cis-1,2-Dichloroethene	ug/l	ND 0.50	14	710	0.83	2.7	460	530	2000
cis-1,3-Dichloropropene	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
Dibromochloromethane	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
Dibromomethane	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
Dichlorodifluoromethane (CFC 12)	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
Ethylbenzene	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
Hexachlorobutadiene	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10 U,*	ND 10	ND 100
Isopropylbenzene	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
Methyl Isobutyl Ketone	ug/l	ND 2.0	ND 2.0	ND 40	ND 2.0	ND 4.0	ND 20	ND 20	ND 200
Methylene Chloride	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
MTBE	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
n-Butylbenzene	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100

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TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S005B3	S006A	S007A	S024A	S024B1	S025A	S025A	S025B1
Date Sampled		11/23/2020	11/18/2020	11/18/2020	11/18/2020	11/18/2020	09/14/2020	11/06/2020	11/18/2020
Analysis Date		11/27/2020	11/25/2020	11/25/2020	11/25/2020	11/27/2020	09/17/2020	11/17/2020	11/25/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	FD
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
n-Propylbenzene	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
Naphthalene	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
sec-Butylbenzene	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
Styrene	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
tert-Butylbenzene	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
Tetrachloroethene (PCE)	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
Toluene	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
trans-1,2-Dichloroethene	ug/l	ND 0.50	1	32	ND 0.50	ND 1.0	5.5	ND 5.0	ND 50
trans-1,3-Dichloropropene	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50
Trichloroethene (TCE)	ug/l	ND 0.50	ND 0.50	ND 10	14	79	110	71	59
Trichlorofluoromethane (CFC 11)	ug/l	ND 1.0	ND 1.0	ND 20	ND 1.0	ND 2.0	ND 10	ND 10	ND 100
Vinyl Acetate	ug/l	ND 2.0	ND 2.0	ND 40	ND 2.0	ND 4.0	ND 20	ND 20	ND 200
Vinyl Chloride	ug/l	ND 0.50	60	ND 10	ND 0.50	ND 1.0	110	120	ND 50
Xylenes, Total	ug/l	ND 0.50	ND 0.50	ND 10	ND 0.50	ND 1.0	ND 5.0	ND 5.0	ND 50

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TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S025B1	S025B4	S026A	S026B1	S027A	S027B1	S028A	S028B1
Date Sampled		11/18/2020	11/18/2020	11/06/2020	11/06/2020	11/18/2020	11/18/2020	11/04/2020	11/04/2020
Analysis Date		11/27/2020	11/27/2020	11/16/2020	11/17/2020	11/27/2020	11/27/2020	11/14/2020	11/14/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
1,1,1,2-Tetrachloroethane	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
1,1,1-Trichloroethane (TCA)	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
1,1,2,2-Tetrachloroethane	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
1,1,2-Trichloroethane	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
1,1,2-Trichlorotrifluoroethane (CFC 113)	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	63
1,1-Dichloroethane (1,1-DCA)	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
1,1-Dichloroethene (1,1-DCE)	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
1,1-Dichloropropene	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
1,2,3-Trichlorobenzene	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
1,2,3-Trichloropropane	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
1,2,4-Trichlorobenzene	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
1,2,4-Trimethylbenzene	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
1,2-Dibromoethane (EDB)	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
1,2-Dichlorobenzene	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
1,2-Dichloroethane	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
1,2-Dichloropropane	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
1,3,5-Trimethylbenzene	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
1,3-Dichlorobenzene	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
1,3-Dichloropropane	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
1,4-Dichlorobenzene	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
2,2-Dichloropropane	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
2-Butanone (MEK)	ug/l	ND 200	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 4.0	ND 4.0	ND 8.0
2-Chlorotoluene	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
2-Hexanone	ug/l	ND 200	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 4.0	ND 4.0	ND 8.0
4-Chlorotoluene	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0

Notes:
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Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S025B1	S025B4	S026A	S026B1	S027A	S027B1	S028A	S028B1
Date Sampled		11/18/2020	11/18/2020	11/06/2020	11/06/2020	11/18/2020	11/18/2020	11/04/2020	11/04/2020
Analysis Date		11/27/2020	11/27/2020	11/16/2020	11/17/2020	11/27/2020	11/27/2020	11/14/2020	11/14/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
4-Isopropyltoluene	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
Acetone	ug/l	ND 1000	33	ND 10	ND 10	ND 10	ND 20	ND 20	ND 40
Benzene	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
Bromobenzene	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
Bromochloromethane	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
Bromodichloromethane	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
Bromoform	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
Bromomethane	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
Carbon Disulfide	ug/l	ND 200	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 4.0	ND 4.0	ND 8.0
Carbon Tetrachloride	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
Chlorobenzene	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
Chloroethane	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
Chloroform	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
Chloromethane	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
cis-1,2-Dichloroethene	ug/l	2200	0.97	ND 0.50	ND 0.50	10	70	150	210
cis-1,3-Dichloropropene	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
Dibromochloromethane	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
Dibromomethane	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
Dichlorodifluoromethane (CFC 12)	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
Ethylbenzene	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
Hexachlorobutadiene	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
Isopropylbenzene	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
Methyl Isobutyl Ketone	ug/l	ND 200	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 4.0	ND 4.0	ND 8.0
Methylene Chloride	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
MTBE	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
n-Butylbenzene	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0

Notes:
ND - Result was below the detection limit
NT - Sample not tested for the given parameter
J - Estimated value below RL but above MDL
B - Analyte was present in an associated method blank

Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S025B1	S025B4	S026A	S026B1	S027A	S027B1	S028A	S028B1
Date Sampled		11/18/2020	11/18/2020	11/06/2020	11/06/2020	11/18/2020	11/18/2020	11/04/2020	11/04/2020
Analysis Date		11/27/2020	11/27/2020	11/16/2020	11/17/2020	11/27/2020	11/27/2020	11/14/2020	11/14/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
n-Propylbenzene	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
Naphthalene	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
sec-Butylbenzene	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
Styrene	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
tert-Butylbenzene	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
Tetrachloroethene (PCE)	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	1.4	ND 1.0	ND 1.0	ND 2.0
Toluene	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
trans-1,2-Dichloroethene	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	4.1	ND 1.0	ND 2.0
trans-1,3-Dichloropropene	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0
Trichloroethene (TCE)	ug/l	79	ND 0.50	ND 0.50	ND 0.50	43	35	6.6	35
Trichlorofluoromethane (CFC 11)	ug/l	ND 100	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 4.0
Vinyl Acetate	ug/l	ND 200	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 4.0	ND 4.0	ND 8.0
Vinyl Chloride	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	3.6	ND 2.0
Xylenes, Total	ug/l	ND 50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 2.0

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Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S033A	S043A	S048A	S048B1	S048B3	S049A	S049A	S049A
Date Sampled		11/18/2020	11/06/2020	11/18/2020	11/18/2020	11/18/2020	09/15/2020	09/15/2020	11/04/2020
Analysis Date		11/27/2020	11/17/2020	11/27/2020	11/27/2020	11/27/2020	09/23/2020	09/28/2020	11/14/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
1,1,1,2-Tetrachloroethane	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
1,1,1-Trichloroethane (TCA)	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
1,1,2,2-Tetrachloroethane	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
1,1,2-Trichloroethane	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
1,1,2-Trichlorotrifluoroethane (CFC 113)	ug/l	ND 0.50	ND 10	ND 5.0	1.3	ND 0.50	NT	ND 10	ND 25
1,1-Dichloroethane (1,1-DCA)	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
1,1-Dichloroethene (1,1-DCE)	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
1,1-Dichloropropene	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
1,2,3-Trichlorobenzene	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
1,2,3-Trichloropropane	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
1,2,4-Trichlorobenzene	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
1,2,4-Trimethylbenzene	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
1,2-Dibromoethane (EDB)	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
1,2-Dichlorobenzene	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
1,2-Dichloroethane	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
1,2-Dichloropropane	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
1,3,5-Trimethylbenzene	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
1,3-Dichlorobenzene	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
1,3-Dichloropropane	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
1,4-Dichlorobenzene	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
2,2-Dichloropropane	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
2-Butanone (MEK)	ug/l	ND 2.0	ND 40	ND 20	ND 2.0	ND 2.0	ND 40	NT	ND 100
2-Chlorotoluene	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
2-Hexanone	ug/l	ND 2.0	ND 40	ND 20	ND 2.0	ND 2.0	ND 40	NT	ND 100
4-Chlorotoluene	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25

Notes:
ND - Result was below the detection limit
NT - Sample not tested for the given parameter
J - Estimated value below RL but above MDL
B - Analyte was present in an associated method blank

Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S033A	S043A	S048A	S048B1	S048B3	S049A	S049A	S049A
Date Sampled		11/18/2020	11/06/2020	11/18/2020	11/18/2020	11/18/2020	09/15/2020	09/15/2020	11/04/2020
Analysis Date		11/27/2020	11/17/2020	11/27/2020	11/27/2020	11/27/2020	09/23/2020	09/28/2020	11/14/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
4-Isopropyltoluene	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
Acetone	ug/l	ND 10	ND 200	ND 100	ND 10	ND 10	ND 200	NT	ND 500
Benzene	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
Bromobenzene	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
Bromochloromethane	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
Bromodichloromethane	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
Bromoform	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
Bromomethane	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
Carbon Disulfide	ug/l	ND 2.0	ND 40	ND 20	ND 2.0	ND 2.0	ND 40	NT	ND 100
Carbon Tetrachloride	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
Chlorobenzene	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
Chloroethane	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
Chloroform	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
Chloromethane	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
cis-1,2-Dichloroethene	ug/l	0.65	700	320	42	ND 0.50	1000	NT	1600
cis-1,3-Dichloropropene	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
Dibromochloromethane	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
Dibromomethane	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
Dichlorodifluoromethane (CFC 12)	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
Ethylbenzene	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
Hexachlorobutadiene	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
Isopropylbenzene	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
Methyl Isobutyl Ketone	ug/l	ND 2.0	ND 40	ND 20	ND 2.0	ND 2.0	ND 40	NT	ND 100
Methylene Chloride	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
MTBE	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
n-Butylbenzene	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50

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TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S033A	S043A	S048A	S048B1	S048B3	S049A	S049A	S049A
Date Sampled		11/18/2020	11/06/2020	11/18/2020	11/18/2020	11/18/2020	09/15/2020	09/15/2020	11/04/2020
Analysis Date		11/27/2020	11/17/2020	11/27/2020	11/27/2020	11/27/2020	09/23/2020	09/28/2020	11/14/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
n-Propylbenzene	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
Naphthalene	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
sec-Butylbenzene	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
Styrene	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
tert-Butylbenzene	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
Tetrachloroethene (PCE)	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
Toluene	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
trans-1,2-Dichloroethene	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
trans-1,3-Dichloropropene	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25
Trichloroethene (TCE)	ug/l	15	11	30	34	ND 0.50	63	NT	110
Trichlorofluoromethane (CFC 11)	ug/l	ND 1.0	ND 20	ND 10	ND 1.0	ND 1.0	ND 20	NT	ND 50
Vinyl Acetate	ug/l	ND 2.0	ND 40	ND 20	ND 2.0	ND 2.0	ND 40	NT	ND 100
Vinyl Chloride	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	110	NT	100
Xylenes, Total	ug/l	ND 0.50	ND 10	ND 5.0	ND 0.50	ND 0.50	ND 10	NT	ND 25

Notes:
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TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S049B1	S065B1	S079A	S080A	S080B1	S081A	S082A	S083A
Date Sampled		11/04/2020	11/18/2020	11/18/2020	11/18/2020	11/18/2020	11/05/2020	11/18/2020	11/18/2020
Analysis Date		11/14/2020	11/27/2020	11/27/2020	11/27/2020	11/27/2020	11/15/2020	11/27/2020	11/27/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
1,1,1,2-Tetrachloroethane	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
1,1,1-Trichloroethane (TCA)	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
1,1,2,2-Tetrachloroethane	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
1,1,2-Trichloroethane	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
1,1,2-Trichlorotrifluoroethane (CFC 113)	ug/l	1.1	620	1.1	ND 10	56	ND 0.50	ND 1.0	ND 0.50
1,1-Dichloroethane (1,1-DCA)	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
1,1-Dichloroethene (1,1-DCE)	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
1,1-Dichloropropene	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
1,2,3-Trichlorobenzene	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
1,2,3-Trichloropropane	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
1,2,4-Trichlorobenzene	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
1,2,4-Trimethylbenzene	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
1,2-Dibromoethane (EDB)	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
1,2-Dichlorobenzene	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	0.86
1,2-Dichloroethane	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
1,2-Dichloropropane	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
1,3,5-Trimethylbenzene	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
1,3-Dichlorobenzene	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
1,3-Dichloropropane	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
1,4-Dichlorobenzene	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
2,2-Dichloropropane	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
2-Butanone (MEK)	ug/l	ND 2.0	ND 200	ND 2.0	ND 40	ND 40	ND 2.0	ND 4.0	ND 2.0
2-Chlorotoluene	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
2-Hexanone	ug/l	ND 2.0	ND 200	ND 2.0	ND 40	ND 40	ND 2.0	ND 4.0	ND 2.0
4-Chlorotoluene	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50

Notes:
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B - Analyte was present in an associated method blank

Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S049B1	S065B1	S079A	S080A	S080B1	S081A	S082A	S083A
Date Sampled		11/04/2020	11/18/2020	11/18/2020	11/18/2020	11/18/2020	11/05/2020	11/18/2020	11/18/2020
Analysis Date		11/14/2020	11/27/2020	11/27/2020	11/27/2020	11/27/2020	11/15/2020	11/27/2020	11/27/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
4-Isopropyltoluene	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
Acetone	ug/l	ND 10	ND 1000	ND 10	ND 200	ND 200	ND 10	ND 20	ND 10
Benzene	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
Bromobenzene	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
Bromochloromethane	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
Bromodichloromethane	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
Bromoform	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
Bromomethane	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
Carbon Disulfide	ug/l	ND 2.0	ND 200	ND 2.0	ND 40	ND 40	ND 2.0	ND 4.0	ND 2.0
Carbon Tetrachloride	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
Chlorobenzene	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
Chloroethane	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
Chloroform	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
Chloromethane	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
cis-1,2-Dichloroethene	ug/l	ND 0.50	100	5.6	1200	10	12	90	26
cis-1,3-Dichloropropene	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
Dibromochloromethane	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
Dibromomethane	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
Dichlorodifluoromethane (CFC 12)	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
Ethylbenzene	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
Hexachlorobutadiene	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
Isopropylbenzene	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
Methyl Isobutyl Ketone	ug/l	ND 2.0	ND 200	ND 2.0	ND 40	ND 40	ND 2.0	ND 4.0	ND 2.0
Methylene Chloride	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
MTBE	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
n-Butylbenzene	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0

Notes:
ND - Result was below the detection limit
NT - Sample not tested for the given parameter
J - Estimated value below RL but above MDL
B - Analyte was present in an associated method blank

Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S049B1	S065B1	S079A	S080A	S080B1	S081A	S082A	S083A
Date Sampled		11/04/2020	11/18/2020	11/18/2020	11/18/2020	11/18/2020	11/05/2020	11/18/2020	11/18/2020
Analysis Date		11/14/2020	11/27/2020	11/27/2020	11/27/2020	11/27/2020	11/15/2020	11/27/2020	11/27/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
n-Propylbenzene	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
Naphthalene	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
sec-Butylbenzene	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
Styrene	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
tert-Butylbenzene	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
Tetrachloroethene (PCE)	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	3.4
Toluene	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
trans-1,2-Dichloroethene	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	0.82
trans-1,3-Dichloropropene	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
Trichloroethene (TCE)	ug/l	17	3200	41	240	610	3.5	38	76
Trichlorofluoromethane (CFC 11)	ug/l	ND 1.0	ND 100	ND 1.0	ND 20	ND 20	ND 1.0	ND 2.0	ND 1.0
Vinyl Acetate	ug/l	ND 2.0	ND 200	ND 2.0	ND 40	ND 40	ND 2.0	ND 4.0	ND 2.0
Vinyl Chloride	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50
Xylenes, Total	ug/l	ND 0.50	ND 50	ND 0.50	ND 10	ND 10	ND 0.50	ND 1.0	ND 0.50

Notes:
ND - Result was below the detection limit
NT - Sample not tested for the given parameter
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B - Analyte was present in an associated method blank

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TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S088A	S088A	S100B4	S101B3	S101B4	S111B1	S111B1	S133B1
Date Sampled		09/14/2020	11/05/2020	11/23/2020	11/23/2020	11/23/2020	11/05/2020	11/05/2020	11/04/2020
Analysis Date		09/17/2020	11/15/2020	11/27/2020	11/27/2020	11/27/2020	11/15/2020	11/15/2020	11/14/2020
Sample Purpose		REG	REG	REG	REG	REG	FD	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
1,1,1,2-Tetrachloroethane	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
1,1,1-Trichloroethane (TCA)	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
1,1,2,2-Tetrachloroethane	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
1,1,2-Trichloroethane	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
1,1,2-Trichlorotrifluoroethane (CFC 113)	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
1,1-Dichloroethane (1,1-DCA)	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
1,1-Dichloroethene (1,1-DCE)	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
1,1-Dichloropropene	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
1,2,3-Trichlorobenzene	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
1,2,3-Trichloropropane	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
1,2,4-Trichlorobenzene	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
1,2,4-Trimethylbenzene	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
1,2-Dibromoethane (EDB)	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
1,2-Dichlorobenzene	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
1,2-Dichloroethane	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
1,2-Dichloropropane	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
1,3,5-Trimethylbenzene	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
1,3-Dichlorobenzene	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
1,3-Dichloropropane	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
1,4-Dichlorobenzene	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
2,2-Dichloropropane	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
2-Butanone (MEK)	ug/l	ND 20	ND 40	ND 2.0	ND 2.0	ND 2.0	ND 8.0	ND 8.0	ND 2.0
2-Chlorotoluene	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
2-Hexanone	ug/l	ND 20	ND 40	ND 2.0	ND 2.0	ND 2.0	ND 8.0	ND 8.0	ND 2.0
4-Chlorotoluene	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50

Notes:
ND - Result was below the detection limit
NT - Sample not tested for the given parameter
J - Estimated value below RL but above MDL
B - Analyte was present in an associated method blank

Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S088A	S088A	S100B4	S101B3	S101B4	S111B1	S111B1	S133B1
Date Sampled		09/14/2020	11/05/2020	11/23/2020	11/23/2020	11/23/2020	11/05/2020	11/05/2020	11/04/2020
Analysis Date		09/17/2020	11/15/2020	11/27/2020	11/27/2020	11/27/2020	11/15/2020	11/15/2020	11/14/2020
Sample Purpose		REG	REG	REG	REG	REG	FD	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
4-Isopropyltoluene	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
Acetone	ug/l	ND 100	ND 200	ND 10	ND 10	ND 10	ND 40	ND 40	ND 10
Benzene	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
Bromobenzene	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
Bromochloromethane	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
Bromodichloromethane	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
Bromoform	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
Bromomethane	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
Carbon Disulfide	ug/l	ND 20	ND 40	ND 2.0	ND 2.0	ND 2.0	ND 8.0	ND 8.0	ND 2.0
Carbon Tetrachloride	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
Chlorobenzene	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
Chloroethane	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
Chloroform	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
Chloromethane	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
cis-1,2-Dichloroethene	ug/l	590	590	ND 0.50	ND 0.50	ND 0.50	190	190	ND 0.50
cis-1,3-Dichloropropene	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
Dibromochloromethane	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
Dibromomethane	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
Dichlorodifluoromethane (CFC 12)	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
Ethylbenzene	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
Hexachlorobutadiene	ug/l	ND 10 U,*	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
Isopropylbenzene	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
Methyl Isobutyl Ketone	ug/l	ND 20	ND 40	ND 2.0	ND 2.0	ND 2.0	ND 8.0	ND 8.0	ND 2.0
Methylene Chloride	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
MTBE	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
n-Butylbenzene	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0

Notes:
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Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S088A	S088A	S100B4	S101B3	S101B4	S111B1	S111B1	S133B1
Date Sampled		09/14/2020	11/05/2020	11/23/2020	11/23/2020	11/23/2020	11/05/2020	11/05/2020	11/04/2020
Analysis Date		09/17/2020	11/15/2020	11/27/2020	11/27/2020	11/27/2020	11/15/2020	11/15/2020	11/14/2020
Sample Purpose		REG	REG	REG	REG	REG	FD	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
n-Propylbenzene	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
Naphthalene	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
sec-Butylbenzene	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
Styrene	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
tert-Butylbenzene	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
Tetrachloroethene (PCE)	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
Toluene	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
trans-1,2-Dichloroethene	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
trans-1,3-Dichloropropene	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
Trichloroethene (TCE)	ug/l	27	ND 10	ND 0.50	0.71	ND 0.50	190	200	3.2
Trichlorofluoromethane (CFC 11)	ug/l	ND 10	ND 20	ND 1.0	ND 1.0	ND 1.0	ND 4.0	ND 4.0	ND 1.0
Vinyl Acetate	ug/l	ND 20	ND 40	ND 2.0	ND 2.0	ND 2.0	ND 8.0	ND 8.0	ND 2.0
Vinyl Chloride	ug/l	27	27	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50
Xylenes, Total	ug/l	ND 5.0	ND 10	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 2.0	ND 0.50

Notes:
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Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S134A	S134A	S135A	S136A	S141A	S141A	S141A	S153B1
Date Sampled		09/14/2020	11/05/2020	11/18/2020	11/04/2020	09/15/2020	09/15/2020	11/04/2020	11/18/2020
Analysis Date		09/17/2020	11/15/2020	11/27/2020	11/14/2020	09/23/2020	09/28/2020	11/14/2020	11/27/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
1,1,1,2-Tetrachloroethane	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
1,1,1-Trichloroethane (TCA)	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
1,1,2,2-Tetrachloroethane	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
1,1,2-Trichloroethane	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
1,1,2-Trichlorotrifluoroethane (CFC 113)	ug/l	ND 2.0	ND 0.50	2.3	46	NT	240	340	610
1,1-Dichloroethane (1,1-DCA)	ug/l	9.5	4.5	ND 2.0	30	ND 25	NT	ND 25	ND 25
1,1-Dichloroethene (1,1-DCE)	ug/l	5.3	1.3	ND 2.0	10	ND 25	NT	ND 25	ND 25
1,1-Dichloropropene	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
1,2,3-Trichlorobenzene	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
1,2,3-Trichloropropane	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
1,2,4-Trichlorobenzene	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
1,2,4-Trimethylbenzene	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
1,2-Dibromoethane (EDB)	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
1,2-Dichlorobenzene	ug/l	19	1.3	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
1,2-Dichloroethane	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
1,2-Dichloropropane	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
1,3,5-Trimethylbenzene	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
1,3-Dichlorobenzene	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
1,3-Dichloropropane	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
1,4-Dichlorobenzene	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
2,2-Dichloropropane	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
2-Butanone (MEK)	ug/l	ND 8.0	ND 2.0	ND 8.0	ND 40	ND 100	NT	ND 100	ND 100
2-Chlorotoluene	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
2-Hexanone	ug/l	ND 8.0	ND 2.0	ND 8.0	ND 40	ND 100	NT	ND 100	ND 100
4-Chlorotoluene	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25

Notes:
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NT - Sample not tested for the given parameter
J - Estimated value below RL but above MDL
B - Analyte was present in an associated method blank

Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S134A	S134A	S135A	S136A	S141A	S141A	S141A	S153B1
Date Sampled		09/14/2020	11/05/2020	11/18/2020	11/04/2020	09/15/2020	09/15/2020	11/04/2020	11/18/2020
Analysis Date		09/17/2020	11/15/2020	11/27/2020	11/14/2020	09/23/2020	09/28/2020	11/14/2020	11/27/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
4-Isopropyltoluene	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
Acetone	ug/l	ND 40	ND 10	ND 40	ND 200	ND 500	NT	ND 500	ND 500
Benzene	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
Bromobenzene	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
Bromochloromethane	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
Bromodichloromethane	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
Bromoform	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
Bromomethane	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
Carbon Disulfide	ug/l	ND 8.0	ND 2.0	ND 8.0	ND 40	ND 100	NT	ND 100	ND 100
Carbon Tetrachloride	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
Chlorobenzene	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
Chloroethane	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
Chloroform	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
Chloromethane	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
cis-1,2-Dichloroethene	ug/l	190	55	230	830	560	NT	650	27
cis-1,3-Dichloropropene	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
Dibromochloromethane	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
Dibromomethane	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
Dichlorodifluoromethane (CFC 12)	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
Ethylbenzene	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
Hexachlorobutadiene	ug/l	ND 4.0 U,*	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
Isopropylbenzene	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
Methyl Isobutyl Ketone	ug/l	ND 8.0	ND 2.0	ND 8.0	ND 40	ND 100	NT	ND 100	ND 100
Methylene Chloride	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
MTBE	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
n-Butylbenzene	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50

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TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S134A	S134A	S135A	S136A	S141A	S141A	S141A	S153B1
Date Sampled		09/14/2020	11/05/2020	11/18/2020	11/04/2020	09/15/2020	09/15/2020	11/04/2020	11/18/2020
Analysis Date		09/17/2020	11/15/2020	11/27/2020	11/14/2020	09/23/2020	09/28/2020	11/14/2020	11/27/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
n-Propylbenzene	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
Naphthalene	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
sec-Butylbenzene	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
Styrene	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
tert-Butylbenzene	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
Tetrachloroethene (PCE)	ug/l	ND 2.0	ND 0.50	3.7	ND 10	ND 25	NT	ND 25	ND 25
Toluene	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
trans-1,2-Dichloroethene	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
trans-1,3-Dichloropropene	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25
Trichloroethene (TCE)	ug/l	28	10	61	300	1400	NT	1900	2500
Trichlorofluoromethane (CFC 11)	ug/l	ND 4.0	ND 1.0	ND 4.0	ND 20	ND 50	NT	ND 50	ND 50
Vinyl Acetate	ug/l	ND 8.0	ND 2.0	ND 8.0	ND 40	ND 100	NT	ND 100	ND 100
Vinyl Chloride	ug/l	7.4	2.2	6	ND 10	25	NT	26	ND 25
Xylenes, Total	ug/l	ND 2.0	ND 0.50	ND 2.0	ND 10	ND 25	NT	ND 25	ND 25

Notes:
ND - Result was below the detection limit
NT - Sample not tested for the given parameter
J - Estimated value below RL but above MDL
B - Analyte was present in an associated method blank

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TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S157A	S157B1	S157B1	S158A	S158A	S158A	S159A	S159A	S159A
Date Sampled		11/05/2020	11/05/2020	11/05/2020	09/14/2020	09/14/2020	11/04/2020	09/15/2020	09/15/2020	11/04/2020
Analysis Date		11/15/2020	11/15/2020	11/16/2020	09/17/2020	09/18/2020	11/14/2020	09/23/2020	09/28/2020	11/14/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Result	Result	Result	Result	Result	Result
1,1,1,2-Tetrachloroethane	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
1,1,1-Trichloroethane (TCA)	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
1,1,2,2-Tetrachloroethane	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
1,1,2-Trichloroethane	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
1,1,2-Trichlorotrifluoroethane (CFC 113)	ug/l	ND 0.50	ND 0.50	NT	1500	NT	4700	NT	6.9	19
1,1-Dichloroethane (1,1-DCA)	ug/l	ND 0.50	ND 0.50	NT	NT	33	ND 250	5.7	NT	ND 5.0
1,1-Dichloroethene (1,1-DCE)	ug/l	ND 0.50	ND 0.50	NT	NT	19	ND 250	ND 5.0	NT	ND 5.0
1,1-Dichloropropene	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
1,2,3-Trichlorobenzene	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
1,2,3-Trichloropropane	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
1,2,4-Trichlorobenzene	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
1,2,4-Trimethylbenzene	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
1,2-Dibromoethane (EDB)	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
1,2-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	NT	NT	24	ND 250	ND 5.0	NT	ND 5.0
1,2-Dichloroethane	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
1,2-Dichloropropane	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
1,3,5-Trimethylbenzene	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
1,3-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
1,3-Dichloropropane	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
1,4-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	NT	NT	1.2	ND 250	ND 5.0	NT	ND 5.0
2,2-Dichloropropane	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
2-Butanone (MEK)	ug/l	ND 2.0	ND 2.0	NT	NT	ND 4.0	ND 1000	ND 20	NT	ND 20
2-Chlorotoluene	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
2-Hexanone	ug/l	ND 2.0	ND 2.0	NT	NT	ND 4.0	ND 1000	ND 20	NT	ND 20
4-Chlorotoluene	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0

Notes:
ND - Result was below the detection limit
NT - Sample not tested for the given parameter
J - Estimated value below RL but above MDL
B - Analyte was present in an associated method blank

Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S157A	S157B1	S157B1	S158A	S158A	S158A	S159A	S159A	S159A
Date Sampled		11/05/2020	11/05/2020	11/05/2020	09/14/2020	09/14/2020	11/04/2020	09/15/2020	09/15/2020	11/04/2020
Analysis Date		11/15/2020	11/15/2020	11/16/2020	09/17/2020	09/18/2020	11/14/2020	09/23/2020	09/28/2020	11/14/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Result	Result	Result	Result	Result	Result
4-Isopropyltoluene	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
Acetone	ug/l	ND 10	ND 10	NT	NT	44	ND 5000	ND 100	NT	ND 100
Benzene	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
Bromobenzene	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
Bromochloromethane	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
Bromodichloromethane	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
Bromoform	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
Bromomethane	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
Carbon Disulfide	ug/l	ND 2.0	ND 2.0	NT	NT	ND 4.0	ND 1000	ND 20	NT	ND 20
Carbon Tetrachloride	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
Chlorobenzene	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
Chloroethane	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
Chloroform	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
Chloromethane	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
cis-1,2-Dichloroethene	ug/l	0.87	1.2	NT	5700	NT	9700	580	NT	310
cis-1,3-Dichloropropene	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
Dibromochloromethane	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
Dibromomethane	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
Dichlorodifluoromethane (CFC 12)	ug/l	ND 1.0	ND 1.0	NT	300	NT	ND 500	ND 10	NT	ND 10
Ethylbenzene	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
Hexachlorobutadiene	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0 U	ND 500	ND 10	NT	ND 10
Isopropylbenzene	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
Methyl Isobutyl Ketone	ug/l	ND 2.0	ND 2.0	NT	NT	ND 4.0	ND 1000	ND 20	NT	ND 20
Methylene Chloride	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
MTBE	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
n-Butylbenzene	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10

Notes:
ND - Result was below the detection limit
NT - Sample not tested for the given parameter
J - Estimated value below RL but above MDL
B - Analyte was present in an associated method blank

Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S157A	S157B1	S157B1	S158A	S158A	S158A	S159A	S159A	S159A
Date Sampled		11/05/2020	11/05/2020	11/05/2020	09/14/2020	09/14/2020	11/04/2020	09/15/2020	09/15/2020	11/04/2020
Analysis Date		11/15/2020	11/15/2020	11/16/2020	09/17/2020	09/18/2020	11/14/2020	09/23/2020	09/28/2020	11/14/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Result	Result	Result	Result	Result	Result
n-Propylbenzene	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
Naphthalene	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
sec-Butylbenzene	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
Styrene	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
tert-Butylbenzene	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
Tetrachloroethene (PCE)	ug/l	ND 0.50	1.3	NT	NT	17	ND 250	ND 5.0	NT	ND 5.0
Toluene	ug/l	ND 0.50	ND 0.50	NT	NT	1.5	ND 250	ND 5.0	NT	ND 5.0
trans-1,2-Dichloroethene	ug/l	ND 0.50	ND 0.50	NT	NT	27	ND 250	5.3	NT	ND 5.0
trans-1,3-Dichloropropene	ug/l	ND 0.50	ND 0.50	NT	NT	ND 1.0	ND 250	ND 5.0	NT	ND 5.0
Trichloroethene (TCE)	ug/l	14	69	NT	8100	NT	25000	140	NT	270
Trichlorofluoromethane (CFC 11)	ug/l	ND 1.0	ND 1.0	NT	NT	ND 2.0	ND 500	ND 10	NT	ND 10
Vinyl Acetate	ug/l	ND 2.0	NT	ND 2.0	NT	ND 4.0	ND 1000	ND 20	NT	ND 20
Vinyl Chloride	ug/l	ND 0.50	ND 0.50	NT	NT	24	ND 250	5.3	NT	ND 5.0
Xylenes, Total	ug/l	ND 0.50	ND 0.50	NT	NT	1.4	ND 250	ND 5.0	NT	ND 5.0

Notes:
ND - Result was below the detection limit
NT - Sample not tested for the given parameter
J - Estimated value below RL but above MDL
B - Analyte was present in an associated method blank

Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S160A	S160A	S160A
Date Sampled		09/15/2020	09/15/2020	11/04/2020
Analysis Date		09/23/2020	09/28/2020	11/14/2020
Sample Purpose		REG	REG	REG
Parameter Name	Report Units	Result	Result	Result
1,1,1,2-Tetrachloroethane	ug/l	ND 25	NT	ND 10
1,1,1-Trichloroethane (TCA)	ug/l	ND 25	NT	ND 10
1,1,2,2-Tetrachloroethane	ug/l	ND 25	NT	ND 10
1,1,2-Trichloroethane	ug/l	ND 25	NT	ND 10
1,1,2-Trichlorotrifluoroethane (CFC 113)	ug/l	NT	ND 25	ND 10
1,1-Dichloroethane (1,1-DCA)	ug/l	120	NT	ND 10
1,1-Dichloroethene (1,1-DCE)	ug/l	ND 25	NT	ND 10
1,1-Dichloropropene	ug/l	ND 25	NT	ND 10
1,2,3-Trichlorobenzene	ug/l	ND 50	NT	ND 20
1,2,3-Trichloropropane	ug/l	ND 50	NT	ND 20
1,2,4-Trichlorobenzene	ug/l	ND 50	NT	ND 20
1,2,4-Trimethylbenzene	ug/l	ND 50	NT	ND 20
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	ND 50	NT	ND 20
1,2-Dibromoethane (EDB)	ug/l	ND 25	NT	ND 10
1,2-Dichlorobenzene	ug/l	ND 25	NT	ND 10
1,2-Dichloroethane	ug/l	ND 25	NT	ND 10
1,2-Dichloropropane	ug/l	ND 25	NT	ND 10
1,3,5-Trimethylbenzene	ug/l	ND 25	NT	ND 10
1,3-Dichlorobenzene	ug/l	ND 25	NT	ND 10
1,3-Dichloropropane	ug/l	ND 50	NT	ND 20
1,4-Dichlorobenzene	ug/l	ND 25	NT	ND 10
2,2-Dichloropropane	ug/l	ND 50	NT	ND 20
2-Butanone (MEK)	ug/l	ND 100	NT	ND 40
2-Chlorotoluene	ug/l	ND 25	NT	ND 10
2-Hexanone	ug/l	ND 100	NT	ND 40
4-Chlorotoluene	ug/l	ND 25	NT	ND 10

Notes:
ND - Result was below the detection limit
NT - Sample not tested for the given parameter
J - Estimated value below RL but above MDL
B - Analyte was present in an associated method blank

Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S160A	S160A	S160A
Date Sampled		09/15/2020	09/15/2020	11/04/2020
Analysis Date		09/23/2020	09/28/2020	11/14/2020
Sample Purpose		REG	REG	REG
Parameter Name	Report Units	Result	Result	Result
4-Isopropyltoluene	ug/l	ND 50	NT	ND 20
Acetone	ug/l	ND 500	NT	ND 200
Benzene	ug/l	ND 25	NT	ND 10
Bromobenzene	ug/l	ND 50	NT	ND 20
Bromochloromethane	ug/l	ND 50	NT	ND 20
Bromodichloromethane	ug/l	ND 25	NT	ND 10
Bromoform	ug/l	ND 50	NT	ND 20
Bromomethane	ug/l	ND 50	NT	ND 20
Carbon Disulfide	ug/l	ND 100	NT	ND 40
Carbon Tetrachloride	ug/l	ND 25	NT	ND 10
Chlorobenzene	ug/l	ND 25	NT	ND 10
Chloroethane	ug/l	ND 50	NT	ND 20
Chloroform	ug/l	ND 50	NT	ND 20
Chloromethane	ug/l	ND 50	NT	ND 20
cis-1,2-Dichloroethene	ug/l	1600	NT	510
cis-1,3-Dichloropropene	ug/l	ND 25	NT	ND 10
Dibromochloromethane	ug/l	ND 25	NT	ND 10
Dibromomethane	ug/l	ND 25	NT	ND 10
Dichlorodifluoromethane (CFC 12)	ug/l	ND 50	NT	ND 20
Ethylbenzene	ug/l	ND 25	NT	ND 10
Hexachlorobutadiene	ug/l	ND 50	NT	ND 20
Isopropylbenzene	ug/l	ND 25	NT	ND 10
Methyl Isobutyl Ketone	ug/l	ND 100	NT	ND 40
Methylene Chloride	ug/l	ND 50	NT	ND 20
MTBE	ug/l	ND 25	NT	ND 10
n-Butylbenzene	ug/l	ND 50	NT	ND 20

Notes:
ND - Result was below the detection limit
NT - Sample not tested for the given parameter
J - Estimated value below RL but above MDL
B - Analyte was present in an associated method blank

Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS: MONITORING WELLS
SIGNETICS SITE, 811 EAST ARQUES, SUNNYVALE, CALIFORNIA

Location ID		S160A	S160A	S160A
Date Sampled		09/15/2020	09/15/2020	11/04/2020
Analysis Date		09/23/2020	09/28/2020	11/14/2020
Sample Purpose		REG	REG	REG
Parameter Name	Report Units	Result	Result	Result
n-Propylbenzene	ug/l	ND 50	NT	ND 20
Naphthalene	ug/l	ND 50	NT	ND 20
sec-Butylbenzene	ug/l	ND 50	NT	ND 20
Styrene	ug/l	ND 25	NT	ND 10
tert-Butylbenzene	ug/l	ND 50	NT	ND 20
Tetrachloroethene (PCE)	ug/l	ND 25	NT	ND 10
Toluene	ug/l	ND 25	NT	ND 10
trans-1,2-Dichloroethene	ug/l	ND 25	NT	ND 10
trans-1,3-Dichloropropene	ug/l	ND 25	NT	ND 10
Trichloroethene (TCE)	ug/l	500	NT	840
Trichlorofluoromethane (CFC 11)	ug/l	ND 50	NT	ND 20
Vinyl Acetate	ug/l	ND 100	NT	ND 40
Vinyl Chloride	ug/l	300	NT	61
Xylenes, Total	ug/l	ND 25	NT	ND 10

Notes:
ND - Result was below the detection limit
NT - Sample not tested for the given parameter
J - Estimated value below RL but above MDL
B - Analyte was present in an associated method blank

Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS: MONITORING WELLS
THE COMPANIES OFFSITE OPERABLE UNIT

Location ID		COM01A	COM01B5	COM02A	COM02B1	COM04A	COM05A	COM05B1	COM05B2
Date Sampled		12/08/2020	12/08/2020	12/08/2020	12/08/2020	12/10/2020	12/08/2020	12/08/2020	12/08/2020
Analysis Date		12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/16/2020	12/15/2020	12/15/2020	12/15/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
1,1,1-Trichloroethane (TCA)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2-Trichloroethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2-Trichlorotrifluoroethane (CFC 113)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1-Dichloroethane (1,1-DCA)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1-Dichloroethene (1,1-DCE)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,2-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,2-Dichloroethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,2-Dichloropropane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,3-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,4-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Benzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Bromodichloromethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Bromoform	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Bromomethane	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Carbon Tetrachloride	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Chlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Chloroethane	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chloroform	ug/l	1.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chloromethane	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
cis-1,2-Dichloroethene	ug/l	20	ND 0.50	1.3	2.3	1	ND 0.50	ND 0.50	ND 0.50
cis-1,3-Dichloropropene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Dibromochloromethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethylbenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
m-Xylene & p-Xylene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Methylene Chloride	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
o-Xylene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Tetrachloroethene (PCE)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Toluene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50

TABLE 2
2020 GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS: MONITORING WELLS
THE COMPANIES OFFSITE OPERABLE UNIT

Location ID		COM01A	COM01B5	COM02A	COM02B1	COM04A	COM05A	COM05B1	COM05B2
Date Sampled		12/08/2020	12/08/2020	12/08/2020	12/08/2020	12/10/2020	12/08/2020	12/08/2020	12/08/2020
Analysis Date		12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/16/2020	12/15/2020	12/15/2020	12/15/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
trans-1,2-Dichloroethene	ug/l	ND 0.50	ND 0.50	ND 0.50	0.71	ND 0.50	ND 0.50	ND 0.50	ND 0.50
trans-1,3-Dichloropropene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Trichloroethene (TCE)	ug/l	38	ND 0.50	5.8	7.1	26	1.9	ND 0.50	ND 0.50
Trichlorofluoromethane (CFC 11)	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Vinyl Chloride	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Xylenes, Total	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50

Notes:

ND - Result was below the detection limit

NT - Sample not tested for the given parameter

*1 - LCS/LCSD RPD exceeds control limits

F1 - MS and/or MSD recovery exceeds control limits

TABLE 2
2020 GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS: MONITORING WELLS
THE COMPANIES OFFSITE OPERABLE UNIT

Location ID		COM07B1	COM11A	COM11B1	COM15B2	COM15B3	COM15B3	COM15B4	COM18B2H
Date Sampled		12/08/2020	12/10/2020	12/10/2020	12/08/2020	12/08/2020	12/08/2020	12/08/2020	12/08/2020
Analysis Date		12/15/2020	12/16/2020	12/16/2020	12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/15/2020
Sample Purpose		REG	REG	REG	REG	REG	FD	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
1,1,1-Trichloroethane (TCA)	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
1,1,2-Trichloroethane	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
1,1,2-Trichlorotrifluoroethane (CFC 113)	ug/l	ND 2.0	ND 0.50	ND 0.50	19	5.7	9	ND 0.50	0.52
1,1-Dichloroethane (1,1-DCA)	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
1,1-Dichloroethene (1,1-DCE)	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
1,2-Dichlorobenzene	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
1,2-Dichloroethane	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
1,2-Dichloropropane	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
1,3-Dichlorobenzene	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
1,4-Dichlorobenzene	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
Benzene	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
Bromodichloromethane	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
Bromoform	ug/l	ND 4.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0
Bromomethane	ug/l	ND 4.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0
Carbon Tetrachloride	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
Chlorobenzene	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
Chloroethane	ug/l	ND 4.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0
Chloroform	ug/l	ND 4.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0
Chloromethane	ug/l	ND 4.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0
cis-1,2-Dichloroethene	ug/l	240	ND 0.50	ND 0.50	4.4	ND 1.0	0.71	ND 0.50	ND 0.50
cis-1,3-Dichloropropene	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
Dibromochloromethane	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
Ethylbenzene	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
m-Xylene & p-Xylene	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
Methylene Chloride	ug/l	ND 4.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0
o-Xylene	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
Tetrachloroethene (PCE)	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
Toluene	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50

TABLE 2
2020 GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS: MONITORING WELLS
THE COMPANIES OFFSITE OPERABLE UNIT

Location ID		COM07B1	COM11A	COM11B1	COM15B2	COM15B3	COM15B3	COM15B4	COM18B2H
Date Sampled		12/08/2020	12/10/2020	12/10/2020	12/08/2020	12/08/2020	12/08/2020	12/08/2020	12/08/2020
Analysis Date		12/15/2020	12/16/2020	12/16/2020	12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/15/2020
Sample Purpose		REG	REG	REG	REG	REG	FD	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
trans-1,2-Dichloroethene	ug/l	2.7	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
trans-1,3-Dichloropropene	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
Trichloroethene (TCE)	ug/l	5.1	0.81	ND 0.50	130	95	120	ND 0.50	46
Trichlorofluoromethane (CFC 11)	ug/l	ND 4.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0
Vinyl Chloride	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50
Xylenes, Total	ug/l	ND 2.0	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 0.50	ND 0.50

Notes:

ND - Result was below the detection limit

NT - Sample not tested for the given parameter

*1 - LCS/LCSD RPD exceeds control limits

F1 - MS and/or MSD recovery exceeds control limits

TABLE 2
2020 GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS: MONITORING WELLS
THE COMPANIES OFFSITE OPERABLE UNIT

Location ID		COM28B2	COM29A	COM29B1	COM32B1	COM35B2	COM36B2	COM36B3	COM37B1
Date Sampled		12/10/2020	12/08/2020	12/08/2020	12/08/2020	12/10/2020	12/08/2020	12/08/2020	12/10/2020
Analysis Date		12/16/2020	12/15/2020	12/15/2020	12/15/2020	12/16/2020	12/15/2020	12/15/2020	12/16/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
1,1,1-Trichloroethane (TCA)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2-Trichloroethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2-Trichlorotrifluoroethane (CFC 113)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1-Dichloroethane (1,1-DCA)	ug/l	ND 0.50	ND 0.50	ND 0.50	1.3	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1-Dichloroethene (1,1-DCE)	ug/l	ND 0.50	ND 0.50	ND 0.50	1.7	ND 0.50	ND 0.50	ND 0.50	0.96
1,2-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,2-Dichloroethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,2-Dichloropropane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,3-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,4-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Benzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Bromodichloromethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Bromoform	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Bromomethane	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Carbon Tetrachloride	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Chlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Chloroethane	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chloroform	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chloromethane	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
cis-1,2-Dichloroethene	ug/l	ND 0.50	2.2	ND 0.50	84	ND 0.50	ND 0.50	ND 0.50	6.6
cis-1,3-Dichloropropene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Dibromochloromethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethylbenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
m-Xylene & p-Xylene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Methylene Chloride	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
o-Xylene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Tetrachloroethene (PCE)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Toluene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50

TABLE 2
2020 GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS: MONITORING WELLS
THE COMPANIES OFFSITE OPERABLE UNIT

Location ID		COM28B2	COM29A	COM29B1	COM32B1	COM35B2	COM36B2	COM36B3	COM37B1
Date Sampled		12/10/2020	12/08/2020	12/08/2020	12/08/2020	12/10/2020	12/08/2020	12/08/2020	12/10/2020
Analysis Date		12/16/2020	12/15/2020	12/15/2020	12/15/2020	12/16/2020	12/15/2020	12/15/2020	12/16/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
trans-1,2-Dichloroethene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
trans-1,3-Dichloropropene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Trichloroethene (TCE)	ug/l	ND 0.50	20	ND 0.50	5.1	ND 0.50	7.9	ND 0.50	38
Trichlorofluoromethane (CFC 11)	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Vinyl Chloride	ug/l	ND 0.50	ND 0.50	ND 0.50	4.9	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Xylenes, Total	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50

Notes:

ND - Result was below the detection limit

NT - Sample not tested for the given parameter

*1 - LCS/LCSD RPD exceeds control limits

F1 - MS and/or MSD recovery exceeds control limits

TABLE 2
2020 GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS: MONITORING WELLS
THE COMPANIES OFFSITE OPERABLE UNIT

Location ID		COM37B1	COM41A	COM42B1	COM43B1	COM43B2	COM46B1	COM48B1	COM49A
Date Sampled		12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/11/2020
Analysis Date		12/17/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020
Sample Purpose		FD	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
1,1,1-Trichloroethane (TCA)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2-Trichloroethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2-Trichlorotrifluoroethane (CFC 113)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	2.2	ND 0.50	ND 0.50
1,1-Dichloroethane (1,1-DCA)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1-Dichloroethene (1,1-DCE)	ug/l	0.66	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,2-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,2-Dichloroethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,2-Dichloropropane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,3-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50 F2	ND 0.50	ND 0.50
1,4-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50 F2	ND 0.50	ND 0.50
Benzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Bromodichloromethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Bromoform	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Bromomethane	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Carbon Tetrachloride	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Chlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Chloroethane	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0 F1	ND 1.0	ND 1.0
Chloroform	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chloromethane	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
cis-1,2-Dichloroethene	ug/l	5.6	ND 0.50	ND 0.50	0.66	ND 0.50	ND 0.50	ND 0.50	ND 0.50
cis-1,3-Dichloropropene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Dibromochloromethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethylbenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
m-Xylene & p-Xylene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Methylene Chloride	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
o-Xylene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Tetrachloroethene (PCE)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Toluene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50

TABLE 2
2020 GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS: MONITORING WELLS
THE COMPANIES OFFSITE OPERABLE UNIT

Location ID		COM37B1	COM41A	COM42B1	COM43B1	COM43B2	COM46B1	COM48B1	COM49A
Date Sampled		12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/11/2020
Analysis Date		12/17/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020
Sample Purpose		FD	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
trans-1,2-Dichloroethene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
trans-1,3-Dichloropropene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Trichloroethene (TCE)	ug/l	32	43	1.1	1.2	ND 0.50	0.89	ND 0.50	9.6
Trichlorofluoromethane (CFC 11)	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Vinyl Chloride	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50 F1	ND 0.50	ND 0.50
Xylenes, Total	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50

Notes:

ND - Result was below the detection limit

NT - Sample not tested for the given parameter

*1 - LCS/LCSD RPD exceeds control limits

F1 - MS and/or MSD recovery exceeds control limits

TABLE 2
2020 GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS: MONITORING WELLS
THE COMPANIES OFFSITE OPERABLE UNIT

Location ID		COM49B2	COM50B1	COM51B1	COM51B2	COM52B2	COM53B3	COM53B4	COM54B3
Date Sampled		12/11/2020	12/11/2020	12/10/2020	12/10/2020	12/11/2020	12/08/2020	12/08/2020	12/10/2020
Analysis Date		12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/15/2020	12/15/2020	12/16/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
1,1,1-Trichloroethane (TCA)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2-Trichloroethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2-Trichlorotrifluoroethane (CFC 113)	ug/l	1.9	31	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1-Dichloroethane (1,1-DCA)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1-Dichloroethene (1,1-DCE)	ug/l	ND 0.50	0.55	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,2-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,2-Dichloroethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,2-Dichloropropane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,3-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,4-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Benzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Bromodichloromethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Bromoform	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Bromomethane	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Carbon Tetrachloride	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Chlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Chloroethane	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chloroform	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chloromethane	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
cis-1,2-Dichloroethene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
cis-1,3-Dichloropropene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Dibromochloromethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethylbenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
m-Xylene & p-Xylene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Methylene Chloride	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
o-Xylene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Tetrachloroethene (PCE)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Toluene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50

TABLE 2
2020 GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS: MONITORING WELLS
THE COMPANIES OFFSITE OPERABLE UNIT

Location ID		COM49B2	COM50B1	COM51B1	COM51B2	COM52B2	COM53B3	COM53B4	COM54B3
Date Sampled		12/11/2020	12/11/2020	12/10/2020	12/10/2020	12/11/2020	12/08/2020	12/08/2020	12/10/2020
Analysis Date		12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	12/15/2020	12/15/2020	12/16/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
trans-1,2-Dichloroethene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
trans-1,3-Dichloropropene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Trichloroethene (TCE)	ug/l	ND 0.50	2.4	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Trichlorofluoromethane (CFC 11)	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Vinyl Chloride	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Xylenes, Total	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50

Notes:

ND - Result was below the detection limit

NT - Sample not tested for the given parameter

*1 - LCS/LCSD RPD exceeds control limits

F1 - MS and/or MSD recovery exceeds control limits

TABLE 2
2020 GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS: MONITORING WELLS
THE COMPANIES OFFSITE OPERABLE UNIT

Location ID		COM55B1	COM63B1	COM63B1	COM63B2	COM64B1	COM65B2	S067A	S067B1
Date Sampled		12/08/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/07/2020	12/07/2020
Analysis Date		12/15/2020	12/16/2020	12/17/2020	12/17/2020	12/17/2020	12/17/2020	12/15/2020	12/15/2020
Sample Purpose		REG	REG	FD	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
1,1,1-Trichloroethane (TCA)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
1,1,2,2-Tetrachloroethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
1,1,2-Trichloroethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
1,1,2-Trichlorotrifluoroethane (CFC 113)	ug/l	6.5	9.1	8.8	ND 0.50	4.3	1.4	ND 1.0	3.4
1,1-Dichloroethane (1,1-DCA)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
1,1-Dichloroethene (1,1-DCE)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
1,2-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
1,2-Dichloroethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
1,2-Dichloropropane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
1,3-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
1,4-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
Benzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
Bromodichloromethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
Bromoform	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 5.0
Bromomethane	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 5.0
Carbon Tetrachloride	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
Chlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
Chloroethane	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 5.0
Chloroform	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 5.0
Chloromethane	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 5.0
cis-1,2-Dichloroethene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	64	95
cis-1,3-Dichloropropene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
Dibromochloromethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
Ethylbenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
m-Xylene & p-Xylene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
Methylene Chloride	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 5.0
o-Xylene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
Tetrachloroethene (PCE)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
Toluene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5

TABLE 2
2020 GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS: MONITORING WELLS
THE COMPANIES OFFSITE OPERABLE UNIT

Location ID		COM55B1	COM63B1	COM63B1	COM63B2	COM64B1	COM65B2	S067A	S067B1
Date Sampled		12/08/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/07/2020	12/07/2020
Analysis Date		12/15/2020	12/16/2020	12/17/2020	12/17/2020	12/17/2020	12/17/2020	12/15/2020	12/15/2020
Sample Purpose		REG	REG	FD	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
trans-1,2-Dichloroethene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
trans-1,3-Dichloropropene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5
Trichloroethene (TCE)	ug/l	50	30	29	ND 0.50	ND 0.50	ND 0.50	37	220
Trichlorofluoromethane (CFC 11)	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 5.0
Vinyl Chloride	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	6.5	10
Xylenes, Total	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 2.5

Notes:

ND - Result was below the detection limit

NT - Sample not tested for the given parameter

*1 - LCS/LCSD RPD exceeds control limits

F1 - MS and/or MSD recovery exceeds control limits

TABLE 2
2020 GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS: MONITORING WELLS
THE COMPANIES OFFSITE OPERABLE UNIT

Location ID		S071A	S071B1	S071B1	S072A	S072B1	S073A	S073B1	S074B1
Date Sampled		12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020
Analysis Date		12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/15/2020
Sample Purpose		REG	REG	FD	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
1,1,1-Trichloroethane (TCA)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
1,1,2,2-Tetrachloroethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
1,1,2-Trichloroethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
1,1,2-Trichlorotrifluoroethane (CFC 113)	ug/l	ND 0.50	8.7	8.7	ND 1.0	ND 1.0	ND 0.50	ND 2.0	0.84
1,1-Dichloroethane (1,1-DCA)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
1,1-Dichloroethene (1,1-DCE)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
1,2-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
1,2-Dichloroethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
1,2-Dichloropropane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
1,3-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
1,4-Dichlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
Benzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
Bromodichloromethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
Bromoform	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 4.0	ND 1.0
Bromomethane	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 4.0	ND 1.0
Carbon Tetrachloride	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
Chlorobenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
Chloroethane	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 4.0	ND 1.0
Chloroform	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	1.3	ND 4.0	ND 1.0
Chloromethane	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 4.0	ND 1.0
cis-1,2-Dichloroethene	ug/l	91 F1	26	25	49	42	42	140	71
cis-1,3-Dichloropropene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
Dibromochloromethane	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
Ethylbenzene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
m-Xylene & p-Xylene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
Methylene Chloride	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 4.0	ND 1.0
o-Xylene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
Tetrachloroethene (PCE)	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	1.3	ND 2.0	ND 0.50
Toluene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50

Highlighted = Data used for TRW Microwave Report

TABLE 2
2020 GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS: MONITORING WELLS
THE COMPANIES OFFSITE OPERABLE UNIT

Location ID		S071A	S071B1	S071B1	S072A	S072B1	S073A	S073B1	S074B1
Date Sampled		12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020
Analysis Date		12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/15/2020
Sample Purpose		REG	REG	FD	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
trans-1,2-Dichloroethene	ug/l	0.57	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	2.2	0.77
trans-1,3-Dichloropropene	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50
Trichloroethene (TCE)	ug/l	74	67	67	78	100	53	10	25
Trichlorofluoromethane (CFC 11)	ug/l	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 4.0	ND 1.0
Vinyl Chloride	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	84	0.97
Xylenes, Total	ug/l	ND 0.50	ND 0.50	ND 0.50	ND 1.0	ND 1.0	ND 0.50	ND 2.0	ND 0.50

Highlighted = Data used for TRW Microwave Report

Notes:

ND - Result was below the detection limit

NT - Sample not tested for the given parameter

*1 - LCS/LCSD RPD exceeds control limits

F1 - MS and/or MSD recovery exceeds control limits

TABLE 2
2020 GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS: MONITORING WELLS
THE COMPANIES OFFSITE OPERABLE UNIT

Location ID		S075A2	S075B1	S076A	S076B1	S077A	S077B1	S078A	S078B1
Date Sampled		12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020
Analysis Date		12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/16/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
1,1,1-Trichloroethane (TCA)	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
1,1,2-Trichloroethane	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
1,1,2-Trichlorotrifluoroethane (CFC 113)	ug/l	ND 2.0	2.8	ND 1.0	ND 0.50	11	33	ND 0.50	ND 0.50
1,1-Dichloroethane (1,1-DCA)	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
1,1-Dichloroethene (1,1-DCE)	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	6.4	ND 0.50	ND 0.50
1,2-Dichlorobenzene	ug/l	3.1	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
1,2-Dichloroethane	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
1,2-Dichloropropane	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
1,3-Dichlorobenzene	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
1,4-Dichlorobenzene	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
Benzene	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
Bromodichloromethane	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
Bromoform	ug/l	ND 4.0	ND 5.0	ND 2.0	ND 1.0	ND 2.0	ND 10	ND 1.0	ND 1.0
Bromomethane	ug/l	ND 4.0	ND 5.0	ND 2.0	ND 1.0	ND 2.0	ND 10	ND 1.0	ND 1.0
Carbon Tetrachloride	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
Chlorobenzene	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
Chloroethane	ug/l	ND 4.0	ND 5.0	ND 2.0	ND 1.0	ND 2.0	ND 10	ND 1.0	ND 1.0
Chloroform	ug/l	ND 4.0	ND 5.0	ND 2.0	ND 1.0	ND 2.0	ND 10	ND 1.0	ND 1.0
Chloromethane	ug/l	ND 4.0	ND 5.0	ND 2.0	ND 1.0	ND 2.0	ND 10	ND 1.0	ND 1.0 *1
cis-1,2-Dichloroethene	ug/l	94	72	42	7.4	90	130	4.1	ND 0.50
cis-1,3-Dichloropropene	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
Dibromochloromethane	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
Ethylbenzene	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
m-Xylene & p-Xylene	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
Methylene Chloride	ug/l	ND 4.0	ND 5.0	ND 2.0	ND 1.0	ND 2.0	ND 10	ND 1.0	ND 1.0
o-Xylene	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
Tetrachloroethene (PCE)	ug/l	ND 2.0	2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
Toluene	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50

TABLE 2
2020 GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS: MONITORING WELLS
THE COMPANIES OFFSITE OPERABLE UNIT

Location ID		S075A2	S075B1	S076A	S076B1	S077A	S077B1	S078A	S078B1
Date Sampled		12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020
Analysis Date		12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/15/2020	12/16/2020
Sample Purpose		REG	REG	REG	REG	REG	REG	REG	REG
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
trans-1,2-Dichloroethene	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
trans-1,3-Dichloropropene	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50
Trichloroethene (TCE)	ug/l	130	250	88	8.8	110	340	61	ND 0.50
Trichlorofluoromethane (CFC 11)	ug/l	ND 4.0	ND 5.0	ND 2.0	ND 1.0	ND 2.0	ND 10	ND 1.0	ND 1.0
Vinyl Chloride	ug/l	ND 2.0	4.6	ND 1.0	1.9	ND 1.0	ND 5.0	ND 0.50	ND 0.50
Xylenes, Total	ug/l	ND 2.0	ND 2.5	ND 1.0	ND 0.50	ND 1.0	ND 5.0	ND 0.50	ND 0.50

Notes:

ND - Result was below the detection limit

NT - Sample not tested for the given parameter

*1 - LCS/LCSD RPD exceeds control limits

F1 - MS and/or MSD recovery exceeds control limits

TABLE 2
2020 GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS: MONITORING WELLS
THE COMPANIES OFFSITE OPERABLE UNIT

Location ID		S151A	S152A
Date Sampled		12/07/2020	12/07/2020
Analysis Date		12/16/2020	12/16/2020
Sample Purpose		REG	REG
Parameter Name	Report Units	Report Result	Report Result
1,1,1-Trichloroethane (TCA)	ug/l	ND 2.5	ND 2.0
1,1,2,2-Tetrachloroethane	ug/l	ND 2.5	ND 2.0
1,1,2-Trichloroethane	ug/l	ND 2.5	ND 2.0
1,1,2-Trichlorotrifluoroethane (CFC 113)	ug/l	ND 2.5	ND 2.0
1,1-Dichloroethane (1,1-DCA)	ug/l	ND 2.5	ND 2.0
1,1-Dichloroethene (1,1-DCE)	ug/l	ND 2.5	ND 2.0
1,2-Dichlorobenzene	ug/l	ND 2.5	ND 2.0
1,2-Dichloroethane	ug/l	ND 2.5	ND 2.0
1,2-Dichloropropane	ug/l	ND 2.5	ND 2.0
1,3-Dichlorobenzene	ug/l	ND 2.5	ND 2.0
1,4-Dichlorobenzene	ug/l	ND 2.5	ND 2.0
Benzene	ug/l	ND 2.5	ND 2.0
Bromodichloromethane	ug/l	ND 2.5	ND 2.0
Bromoform	ug/l	ND 5.0	ND 4.0
Bromomethane	ug/l	ND 5.0	ND 4.0
Carbon Tetrachloride	ug/l	ND 2.5	ND 2.0
Chlorobenzene	ug/l	ND 2.5	ND 2.0
Chloroethane	ug/l	ND 5.0	ND 4.0
Chloroform	ug/l	ND 5.0	ND 4.0
Chloromethane	ug/l	ND 5.0 *1	ND 4.0 *1
cis-1,2-Dichloroethene	ug/l	230	140
cis-1,3-Dichloropropene	ug/l	ND 2.5	ND 2.0
Dibromochloromethane	ug/l	ND 2.5	ND 2.0
Ethylbenzene	ug/l	ND 2.5	ND 2.0
m-Xylene & p-Xylene	ug/l	ND 2.5	ND 2.0
Methylene Chloride	ug/l	ND 5.0	ND 4.0
o-Xylene	ug/l	ND 2.5	ND 2.0
Tetrachloroethene (PCE)	ug/l	ND 2.5	ND 2.0
Toluene	ug/l	ND 2.5	ND 2.0

TABLE 2
2020 GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS: MONITORING WELLS
THE COMPANIES OFFSITE OPERABLE UNIT

Location ID		S151A	S152A
Date Sampled		12/07/2020	12/07/2020
Analysis Date		12/16/2020	12/16/2020
Sample Purpose		REG	REG
Parameter Name	Report Units	Report Result	Report Result
trans-1,2-Dichloroethene	ug/l	ND 2.5	ND 2.0
trans-1,3-Dichloropropene	ug/l	ND 2.5	ND 2.0
Trichloroethene (TCE)	ug/l	15	29
Trichlorofluoromethane (CFC 11)	ug/l	ND 5.0	ND 4.0
Vinyl Chloride	ug/l	ND 2.5	ND 2.0
Xylenes, Total	ug/l	ND 2.5	ND 2.0

Notes:

ND - Result was below the detection limit

NT - Sample not tested for the given parameter

*1 - LCS/LCSD RPD exceeds control limits

F1 - MS and/or MSD recovery exceeds control limits

TABLE 1
GROUNDWATER ELEVATIONS, 12 OCTOBER 2020 [1]
FORMER 901/902 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Well ID	Aquifer Zone Screened	Top of Casing Elevation (feet NAVD 88)[2]	Depth to Groundwater (feet btoc)[3]	Groundwater Elevation (feet NAVD 88)[2]
15-S	A	50.82	8.64	42.18
16-S		47.70	10.06	37.64
22-S		46.37	8.27	38.10
23-S		47.03	8.95	38.08
27-S		50.71	10.33	40.38
28-S		47.88	9.87	38.01
29-S		50.10	9.15	40.95
36-S		41.46	6.18	35.28
37-S		42.06	6.42	35.64
DW-7	B1	46.11	7.42	38.69
23-D		47.04	6.99	40.05
27-D		50.59	9.72	40.87
28-D		47.74	9.70	38.04
29-D		50.17	9.17	41.00
36-D		41.26	5.95	35.31
52-D		48.31	8.81	39.50
53-D		50.94	7.26	43.68
22-DD	B2	46.45	6.35	40.10
27-DD		50.72	7.89	42.83
36-DD		41.58	4.83	36.75
35-DDD	B3	46.47	4.88	41.59

Notes:

feet btoc = Feet below top of casing

feet NAVD 88 = Elevation (in feet) relative to the North American Vertical Datum of 1988

1. Water levels were measured by Field Solutions, Inc. of San Jose, California.

Highlighted = Data used for TRW Microwave Report

TABLE 2
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, OCTOBER 2020 [1,2]
FORMER 901/902 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L)

Well ID	Aquifer Zone	Sampling Date	PCE	TCE	cDCE	tDCE	VC	1,1-DCE	1,1-DCA	1,1,1-TCA	Freon 113	1,2-DCB
15-S	A	10/13/2020	< 0.50	**6.7**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
16-S		10/14/2020	< 1.0	< 1.0	**11**	< 1.0	**55**	< 1.0	< 1.0	< 1.0	< 1.0	**7.3**
22-S		10/14/2020	< 0.50	**3.6**	**32**	**3.4**	**16**	< 0.50	< 0.50	< 0.50	< 0.50	**12**
23-S		10/14/2020	**1.1**	**50**	**62**	**7.2**	**13**	< 1.0	< 1.0	< 1.0	< 1.0	**16**
27-S		10/14/2020	< 2.5 / < 2.5	**16 / 13**	**250 / 250**	**12 / 12**	**19 / 17**	< 2.5 / < 2.5	< 2.5 / < 2.5	< 2.5 / < 2.5	< 2.5 / < 2.5	< 2.5 / < 2.5
28-S		10/14/2020	< 2.0	< 2.0	**14**	< 2.0	**150**	< 2.0	< 2.0	< 2.0	< 2.0	**6.0**
29-S		10/13/2020	< 0.50	**14**	**3.8**	< 0.50	**0.51**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
36-S		10/13/2020	**1.2**	**49**	**9.6**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
37-S		10/13/2020	**0.58**	**35**	**4.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
DW-7	B1	10/14/2020	< 1.0	**39**	**120**	**1.3**	**6.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
23-D		10/14/2020	< 2.0 / < 2.5	**220 / 280**	**3.5 / 4.2**	< 2.0 / < 2.5	< 2.0 / < 2.5	< 2.0 / < 2.5	< 2.0 / < 2.5	< 2.0 / < 2.5	< 2.0 / < 2.5	< 2.0 / < 2.5
27-D		10/13/2020	**3.8 / 3.6**	**72 / 72**	**2.4 / 2.3**	< 1.0 / < 1.0	< 1.0 / < 1.0	< 1.0 / < 1.0	< 1.0 / < 1.0	< 1.0 / < 1.0	< 1.0 / < 1.0	< 1.0 / < 1.0
28-D		10/13/2020	< 5.0	< 5.0	**29**	< 5.0	**250**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
29-D		10/13/2020	**2.5**	**58**	**1.9**	< 0.50	< 0.50	**0.72**	< 0.50	**0.77**	**0.71**	< 0.50
36-D		10/13/2020	**0.78**	**28**	**34**	**2.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
52-D		10/13/2020	< 0.50	**16**	**0.82**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
53-D		10/13/2020	< 0.50	**8.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
22-DD	B2	10/14/2020	< 2.0	**130**	**5.0**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
27-DD		10/14/2020	< 0.50	**19**	**6.0**	**0.94**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
36-DD		10/13/2020	< 0.50	**0.86**	**16**	**3.6**	**6.8**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
35-DDD	B3	10/13/2020	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cleanup Goal [8]			**5.0**	**5.0**	**6.0**	**10**	**0.5**	**6.0**	**5.0**	**200**	**1,200**	**600**

Notes:

< = Constituent not detected above the laboratory reporting limit shown
< 0.5 / < 0.5 = Indicates that a duplicate sample was collected
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
cDCE = cis-1,2-Dichloroethene
Freon 113 = 1,1,2-Trichloro-1,2,2-Trifluoromethane
J = Concentration is estimated
PCE = Tetrachloroethene
TCE = Trichloroethene
tDCE = trans-1,2-Dichloroethene
VC = Vinyl chloride

1. Groundwater samples were collected by Field Solutions, Inc., of San Jose, California, and analyzed by Eurofins TestAmerica of West Sacramento, California, for the EPA Method 8010 list with Freon 113 in accordance with EPA Method 8260B.
2. Only compounds listed in the Record of Decision are included in this table; for a full list of analytes and detected compounds, see laboratory analytical reports.
3. Cleanup Goal is the lower of the Federal and California Maximum Contaminant Levels (MCLs).

Highlighted = Data used for TRW Microwave Report

Table 2: 2020 Groundwater Elevations

CAE-USA

Monitoring Well	Measuring Point Elevation (ft amsl)[a]	Date		Depth to Groundwater (feet)[b]	Groundwater Elevation (ft amsl)
A-Aquifer					
CLA-1	41.48	10/12/20		10	31.48
CLA-2	38.41	10/12/20		8.81	29.6
CLA-3	39.92	10/12/20		9.61	30.31
CLA-4	41.30	10/12/20		9.9	31.4
SU4A-1	35.26	10/12/20		7.49	27.77
SU4A-2	31.50		Well Destroyed		
SU4A-3	33.74		Well Destroyed		
SU4A-4	28.91	10/12/20		10.87	18.04
SU4A-5	34.41	10/12/20		5.91	28.5
SU4PA-1	36.72		Well Destroyed		
SU4EWA-1	34.97		Well Destroyed		
SU4EWA-2	32.95		Well Destroyed		
B1-Aquifer					
SU4B1-1	34.43	10/12/20		5.92	28.51
SU4B1-3	40.25		Well Destroyed		
SU4PB1-1	34.68	10/12/20	Well Destroyed		
SU4EWB1-1	33.19		Well Destroyed		
73B1	37.11	10/12/20		7.13	29.98
84B1	26.58	10/12/20	NM[c]		
B2-Aquifer					
SU4B2-2	29.54	10/12/20		5.88	23.66
73B2	37.45	10/12/20		1.55	35.9

Notes and Abbreviations:

(a) ft amsl = feet above mean sea level according to the National Geodetic Vertical Datum (NGVD 1928).

(b) feet = feet below top of casing

(c) NM = monitoring well not accessible during sampling event.

Table 3: Summary of Analytical Results - Halogenated Volatile Organic Compounds

CAE-USA

			VOCs											Field		
		Chemical	1,1,1-TCA	1,1-DCA	1,1-DCE	Chloroform	cis-1,2-DCE	CFC-113	PCE	trans-1,2-DCE	TCE	CFC-11	VC	pH	Temp	Cond
		CAS Number	71-55-6	75-34-3	75-35-4	67-66-3	156-59-2	76-13-1	127-18-4	156-60-5	79-01-6	75-69-4	75-01-4	pH	TEMP	SC
		Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	SU	deg c	uS/cm
		California MCL	200	5	6	80	6	1,200	5	10	5	150	0.5			
Location	Date	Note														
A-Aquifer																
CLA-1	10/15/2020		< 0.50	**0.69**	< 0.50	< 0.50	**5.5**	< 2.0	**1.4**	< 0.50	**46**	< 0.50	< 0.50	**6.84**	**24.7**	**1090**
CLA-2	10/15/2020		< 0.50	< 0.50	< 0.50	< 0.50	**1.5**	< 2.0	**0.50**	< 0.50	**46**	< 0.50	< 0.50	**7.11**	**26.0**	**891**
CLA-3	10/15/2020		**0.69**	**2.0**	**0.58**	**0.67**	**15**	< 2.0	**1.7**	**1.5**	**81**	< 0.50	< 0.50	**6.73**	**24.1**	**1034**
CLA-4	10/15/2020		< 0.50	**1.1**	< 0.50	**0.65**	**17**	< 2.0	**0.53**	**2.9**	**67**	< 0.50	< 0.50	**6.80**	**24.2**	**1207**
SU4A-1	10/16/2020		< 2.0	**2.6**	< 2.0	< 2.0	**140**	< 8.0	< 2.0	< 2.0	**240**	< 2.0	< 2.0	**7.15**	**22.9**	**1121**
SU4A-1	10/16/2020	Dup	< 2.0	**2.7**	< 2.0	< 2.0	**150**	< 8.0	< 2.0	< 2.0	**250**	< 2.0	< 2.0			
SU4A-2		Well was destroyed in 2018.														
SU4A-3		Well was destroyed in 2018.														
SU4A-4	10/15/2020		< 0.50	**1.0**	< 0.50	**0.75**	**8.2**	**4.0**	< 0.50	< 0.50	**96**	< 0.50	< 0.50	**7.02**	**22.1**	**718**
SU4A-5	10/16/2020		< 2.5	< 2.5	< 2.5	< 2.5	**52**	< 10	< 2.5	< 2.5	**220**	< 2.5	< 2.5	**6.99**	**20.9**	**1052**
SU4PA-1		Well was destroyed in 2018.														
SU4EWA-1		Well was destroyed in 2018.														
SU4EWA-2		Well was destroyed in 2018.														
B1-Aquifer																
SU4B1-1	10/16/2020		< 1.3	**2.0**	**1.6**	< 1.3	**79**	**9.8**	< 1.3	< 1.3	**180**	< 1.3	< 1.3	**7.10**	**22.0**	**1041**
SU4B1-3		Well was destroyed in 2018.														
SU4PB1-1		Well was destroyed in 2018.														
SU4EWB1-1		Well was destroyed in 2018.														
73B1	10/16/2020		< 5.0	< 5.0	< 5.0	< 5.0	**83**	< 20	< 5.0	< 5.0	**230**	< 5.0	< 5.0	**6.91**	**23.7**	**1143**
84B1	10/15/2020	NM, car on well.														
B2-Aquifer																
SU4B2-2	10/15/2020		< 0.50	< 0.50	< 0.50	< 0.50	**14**	< 2.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.00**	**22.0**	**112**
73B2	10/16/2020		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.10**	**23.8**	**1031**

Notes and Abbreviations:

1,1,1-TCA = 1,1,1-trichloroethane
1,1-DCA = 1,1-dichloroethane
1,1-DCE = 1,1-dichloroethene
California MCLs = State of California maximum contaminant levels, California Code of Regulations, Title 26.
cis-1,2-DCE = cis-1,2-dichloroethene
CFC-11 = trichlorofluoromethane
CFC-113 = trichlorotrifluoroethane

Cond = conductivity (µmhos/cm)
Dup = duplicate sample
PCE = tetrachloroethene
TCE = trichloroethene
Temp = temperature (°C)
trans-1,2-DCE = trans-1,2-dichloroethene
ug/l = micrograms per liter

VC = vinyl chloride
"<" = Not detected below the laboratory reporting limit.
NM = not measured

Appendix G – Waste Manifests – 2020

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NOT REQUIRED

2. Page 1 of 1

3. Emergency Response Phone: (415) 988-4263

4. Waste Tracking Number: 000000115

5. Generator's Name and Mailing Address
Northrop Grumman - Corporate Env. Remediation
One Space Park
Redondo Beach CA 90278

Generator's Site Address (if different than mailing address)
825 Stewart Drive
Sunnyvale, CA 94085

Generator's Phone: (310) 332-7612 Attn: Shantal Der Boghosian

6. Transporter 1 Company Name: Action Cleanup Environmental Services
U.S. EPA ID Number: CAR000293274

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
US Ecology Nevada, Inc.
Highway 95, 11 miles South of Beatty
Beatty, NV 89003
U.S. EPA ID Number
Facility's Phone: (800) 239-3943 NVT330010000

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1. Non-Hazardous, Non DOT Regulated Waste, Liquid (Purge Water)	01	DM	50	G	
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
1) 9.1. - Purge Water - App. # 070137747-15641 - Invoice Capitol Env.

GENERATOR

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Jennifer Clay on behalf of Northrop Grumman
Signature: [signature]
Month 10 Day 30 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Robin Cazares
Signature: [signature]
Month 10 Day 30 Year 20
Transporter 2 Printed/Typed Name:
Signature:
Month 10 Day 30 Year 20

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a
Printed/Typed Name Signature Month Day Year

169-BLC-O 6 10498 (Rev. 9/09) DESIGNATED FACILITY TO GENERATOR