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Environmental Monitoring and Consulting

PERIODIC REVIEW REPORT
AT MOOG – PLANT 11

June 14, 2018

ET- 1259-2018

Prepared for:

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EXECUTIVE SUMMARY

Summary of Site and Nature of Contamination

Volatile organic compounds have been previously identified in the shallow groundwater in a localized area near the north side of Plant 11. The extent of groundwater contamination has been previously determined and reported to the NYSDEC. The groundwater contamination was chlorinated volatile organic compounds and Freon. In order to remove these compounds from the groundwater Moog, Inc. operated a groundwater pump and treat system for many years. The contaminated groundwater was collected in a subsurface trench and pumped through an air stripper and the treated water was discharged under permit. Moog, Inc. in consultation with the NYSDEC has turned off the treatment system to determine the impact of discontinuing the operation of the system. The existing treatment system consists of an underground trench on the north side of Plant 11 with a collection sump. A pump in the collection sump pumped the groundwater to a treatment system (air stripper). The trench is located at the soil/shale interface and draws the groundwater surrounding the trench into the sump for treatment. The groundwater collection system consists of a 170 foot long, 15-feet deep groundwater collection trench. Local groundwater elevations were lowered by the pump and the surrounding water was drawn into the trench for treatment. When the sump pump was discontinued, the groundwater levels rebounded. The pump and treat system has been off for five years.

Effectiveness of the Remedial Program

Based on the concentrations of volatile organic compounds in the groundwater monitoring wells the remediation has been very effective. During the last monitoring event (May 18, 2018), seven of the eight wells showed no detectable contamination (all the compounds tested were below the analytical detection level). The volatile organic compounds in Well MW-2B in May 2018 were as follows:

Compound	May 2018 Concentration (ug/l)	Percent Reduction*	Target Goal (6NYCRR Part 703) (ug/l)
1,1,2-Trichlorotrifluoroethane (Freon 113)	10	98.8 %	5
1,1-Dichloroethane (1,1-DCA)	100	80.4 %	5
Trichloroethene	11	97.8 %	5
Vinyl Chloride	66	Not Reported	5
Cis-1,2-Dichloroethene	42	86 %	5

* Percent removal based on concentration present in the groundwater October 2009.

Based both on concentration and percent reduction the remedial program is effective however, the target goals have not been consistently reached. The concentrations in the groundwater at Well MW-2B are trending toward the target goals.

Compliance

Frontier Technical Associates has reviewed the Site Management Plan for NYSDEC Site Number 915164 dated May 2015 for an evaluation of compliance. FTA has determined that the site was in compliance with the provisions of the Site Management Plan. Specifically the following elements of the Site Management Plan are in compliance with the goals of the Plan:

- The Sub-slab Depression System (SDS) is operational and monitored (verification of the operation of this system is made weekly).

- The wells are monitored quarterly by Frontier Technical Associates. Reports are being provided quarterly to Moog.

- Moog is assessing the use and documenting any modifications in the designated area. The deed restrictions have not been violated.

Recommendations

Based on the significant progress toward meeting the groundwater quality goals, Frontier Technical Associates recommends continued implication of the Site Management Plan with a re-assessment during the next PRR.

SITE OVERVIEW

Site Introduction

Moog Building 11 is listed on the NYSDEC Registry of Inactive Hazardous Waste Sites as a Class 3 site. Reclassification to a Class 4 site is pending with the NYSDEC. A voluntary clean-up agreement was never formally agreed to with the NYSDEC, but Moog voluntarily started clean-up of the site on its own accord in October 1996 and was given a Site No. 915164.

Site Location

The site is located at the Moog campus complex near the intersection of Jamison Road and Seneca Street in Elma New York. The Moog campus is quite large and the remediation site is surrounded by the larger campus. The actual remediation area of the site is 1.26 acres. The Site Management Plan describes the site and the legal site boundaries. Figure 1 is a site location map. Specifically, the groundwater treatment system is located along the north side of Plant 11 as shown in Figure 2.

The area where the wells and groundwater collection system are located consists of a mix of grassed areas, parking lots and slab on grade office/light industrial buildings. A small pond is located to the west. The area is generally flat with the natural drainage of the area toward the northwest. Figure 3 is an aerial photograph of the site.

Nature and Extent of Contamination

Volatile organic compounds including Freon have been previously identified in the shallow groundwater in a localized area near the north side of Plant 11. The extent of groundwater contamination has been previously determined and reported to the NYSDEC. Moog, Inc. in consultation with the NYSDEC has turned off the sump pump and groundwater water treatment system to determine the impact of discontinuing the operation of the system.

The groundwater remediation was constructed in 1995 and placed in operation by Moog in January 1996. The treatment system was turned off on February 22, 2013 by Moog. The pump and treat remediation system operated for approximately 17 years. The pump and treat system has been off for 5 years and natural remediation has been occurring.

WELLS

The groundwater monitoring system consists of eight wells and the collection sump. The wells are located as shown on Figure 2 and are designated as follows:

MW-1B (presumed upgradient well)
MW-2A (deep well)
MW-2B
MW-3 (cross gradient well)
MW-4
MW-5 (downgradient distant well)
MW-6

MW-7 (cross gradient well)
Sump

The groundwater elevations are measured monthly and the wells and sump are sampled quarterly to develop the data base for this evaluation. The groundwater reference elevations and depths of the wells are summarized in Table 1.

Table 1
Moog Wells Near Plant 11

Well Number	PVC Riser Elev. (ft)	Bottom Depth (ft)
MW-1B	99.47	16.81
MW-2A	98.70	22.57
MW-2B	98.90	10.53
MW-3	99.66	11.74
MW-4	99.47	11.61
MW-5	96.95	10.53
MW-6	99.43	14.26
MW-7	97.43	12.04
Sump	100.08	---

Well installation logs are presented in the Appendix.

HYDROGEOLIC CONDITIONS (Malcolm Pirnie 1997)

Groundwater occurs in the shallow water-bearing zone comprised of overburden and weathered bedrock, and in an underlying aquitard comprised of competent bedrock. The shallow water-bearing zone has limited aquifer potential due to a moderate hydraulic conductivity, and a small saturated thickness. The aquitard consists of the Rhinebeck shale member of the West Falls Formation. The bedrock in the vicinity of Plant 11 is relatively unfractured and slightly weathered. The estimated hydraulic conductivity of the well installed with the aquitard is approximately three to four orders of magnitude less that the estimated hydraulic conductivity of well installed in the shallow water bearing zone. Blasland, Blouck and Lee (1994) calculated the hydraulic conductivity of the interval screened at MW-3 and MW-4 as estimated to be 1.8×10^{-3} cm/sec and 4.4×10^{-3} cm/sec, respectively. They calculated that the horizontal flow velocities would be between 7 and 90 feet per year. Malcolm Pirnie estimated the horizontal hydraulic gradient in the shallow water bearing zone to an estimated 20 to 40 feet per year. Vertical hydraulic gradients between the shallow water bearing zone and the aquitard are slightly downward.

Based on the hydraulic contours developed for the groundwater flow pattern on April 2014 (after the sump pump was off and the groundwater had stabilized) the horizontal hydraulic gradient was measured to be 0.00292 ft/foot. A groundwater contour map is presented as Figure 3.

EVALUATION OF REMEDY, PERFORMANCE AND PROTECTIVENESS

Impact of Shutting Down Groundwater Withdrawal on the Groundwater Elevations

The historical groundwater elevation data for each of the wells was reviewed and results of this analysis are summarized in this section. The plots of the groundwater elevations from December 2010 to May 2018 are presented on Figures 4 through 12. Groundwater elevations in all wells returned to pre-pumping levels and are now subject to the expected seasonal fluctuations.

Impact on Upgradient Well (MW-1B)

There was no impact on the groundwater elevation in upgradient well MW-1B due to the water withdrawal during pumping of the sump. Historically, this well appears to be unaffected by the pump and treatment system. During the last quarter of monitoring (May 2018) there was no contamination in this well.

Impact on Deep Well (MW-2A)

Historically this well was not affected by the operation of the pump and treatment system. There does appear to be some seasonal influences as the groundwater elevations are lower in late summer. During the last quarter of monitoring (May 2018) there was no contamination in this well.

Impact on MW-5 (Distant Downgradient Well)

This distant downgradient well has not been impacted by the operation/non-operation of the pump and treatment system. There are apparent seasonal influences on this well as the groundwater elevations are typically lower in late summer. During the last quarter of monitoring (May 2018) there was no contamination in this well.

Wells Directly Impacted by the Pump and Treatment System

When the sump pump and treatment system was turned off in February 2013, the groundwater elevations rose quickly (within a month) in wells MW-2B, MW-3, MW-4, MW-6 and MW-7. It appears that these wells returned to their natural levels and then began showing seasonal influences (decrease levels in late summer). Therefore, it can be concluded from this data that the groundwater being treated by the air stripper was from wells MW-2B, MW-3, MW-4, MW-6 and MW-7.

Groundwater Contour Plot

A plot of the groundwater contours (isopotential) for September 2017 is presented as Figure 13. The plot shows key points. The Cooling Pond is connected to the groundwater and would be expected to influence the groundwater. The second observation is that the overall groundwater direction after the sump has been off is that the overall groundwater flow is toward the northwest. The third key point is that after all the elapsed time from the original release, no groundwater contamination is present in the downgradient well MW-5. In fact the only well

with any contamination at present is Well MW-2B. This is the well in closest proximity the original release.

Groundwater Quality

The results of the groundwater monitoring for volatile organic compounds are presented on Table 2 through Table 27 for each of the wells. Historically, Well MW-2B has been the only significantly contaminated well. The plots of contamination in Well MW-2B are presented on Figures 14 through 17. Based on an examination of the data, all of the contaminants are on the decrease.

Prior to turning off the sump pump, the concentration of CFC (Freon) in Well MW-2B was decreasing slowly. Since the pump was turnoff, the concentration of Freon has decreased dramatically. This is likely due to natural attenuation. Significantly lower Freon levels in this well are consistent with the goals of this program. Figure 14 presents the historical plot of the Freon levels in this well.

Figures 15, 16, and 17 present the plots of the concentrations of other compounds of interest. These plots all show a steady decline in the concentrations of the chlorinated solvents. These declines were occurring before the sump pump was turned off, but continued to decline after the remediation system was shut down. Natural attenuation is the likely source of these decreases.

INSTITUTIONAL CONTROLS AND ENGINEERING CONTROLS COMPLIANCE PLAN

Institutional Controls

The Site Management Plan (May 2015) established the following Institutional Controls:

- Compliance with the Deed Restriction and the Site Management Plan by the Grantor and the Grantor's successors and assigns;
- All Engineering Controls must be operated and maintained as specified in this Site Management Plan;
- All Engineering Controls and the Controlled Property must be inspected at a frequency and in a manner defined in the Site Management Plan;
- Groundwater, soil vapor and other environmental or public health monitoring must be performed as defined in the Site Management Plan;
- Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in the manner defined in the Site Management Plan.

Evaluation of the Deed Restrictions

1. The Site has only been used for industrial use as of the date of this report.

2. The property has not been used for a higher use or for residential use as of the date of this report.

3. The Site Management Plan is still in effect.

4. Groundwater underlying the property is not being used as of the date of this report.

5. No new buildings have been added in the area, therefore a vapor intrusion assessment has not been required under the provisions of the Site Management Plan;

Engineering Controls

The Site Management Plan identified two engineering controls for this site. The engineering controls are a Sub-Slab Depressurization System (SSD) and Groundwater Monitoring for Natural Attenuation.

Sub-Slab Depressurization System

The three sub-slab extraction points are functioning as designed. Records documenting the operation of the system are attached. Frontier Technical Associates (May 11, 2018) verified that a negative pressure was being drawn on the pipes at the three sub-slab depressurization locations and that the vapor extraction fan was in operation.

Groundwater Monitoring for Natural Attenuation

Quarterly groundwater monitoring is being performed by Frontier Technical Associates and the results are being submitted to Moog. After the sump pump was shut down, the groundwater elevations in the wells surrounding the remediation trench quickly returned to their natural levels. Natural groundwater migration is to the northwest. An important conclusion is that the concentrations of pollutants in the most contaminated well continued to decline after the remediation system was turned off. The Freon concentration decreased significantly after the remediation system was shut down and the other chlorinated compounds continue to decrease due to natural processes.

MONITORING PLAN COMPLIANCE REPORT

As presented in other sections of this report, the groundwater monitoring has been in compliance with provision for quarterly groundwater monitoring. The quarterly groundwater monitoring is being conducted by Frontier Technical Associates and the results are presented to Moog, Inc. The quarterly groundwater results are also submitted directly to the NYSDEC via the Equis Program. The groundwater sampling dates for since 2013 are as follows:

February 22, 2013
May 2, 2013
August 7, 2013
November 6, 2013
March 20, 2014

June 12, 2014
August 7, 2014
November 7, 2014
March 27, 2015
May 13, 2015
August 21, 2015
November 3, 2015
February 26, 2016
May 31, 2016
August 12, 2016
November 18, 2016
February 24, 2017
May 26, 2017
August 25, 2017
November 17, 2017
February 23, 2018
May 18, 2018

RECOMMENDATIONS

After 17 years of operation, the existing pump and treat remediation system has accomplished all that it is likely to accomplish. Natural remediation processes are continuing to reduce the concentration of Freon and chlorinated volatiles in monitoring well MW-2B. The concentration of remaining contamination is trending towards the analytical detection level. No significant contamination has migrated to the other wells on site over the past 20 years. Therefore, it is recommended that the pump and treat system be shut down permanently and that the quarterly monitoring for volatile contamination and groundwater elevations continue.

Respectively Submitted

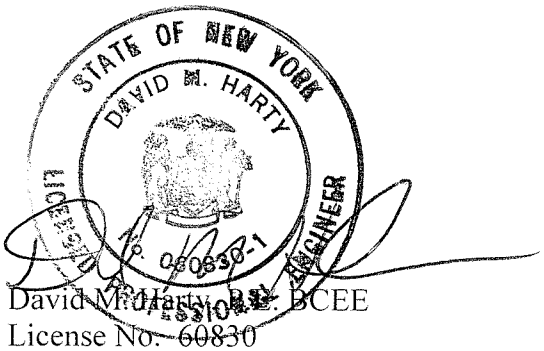

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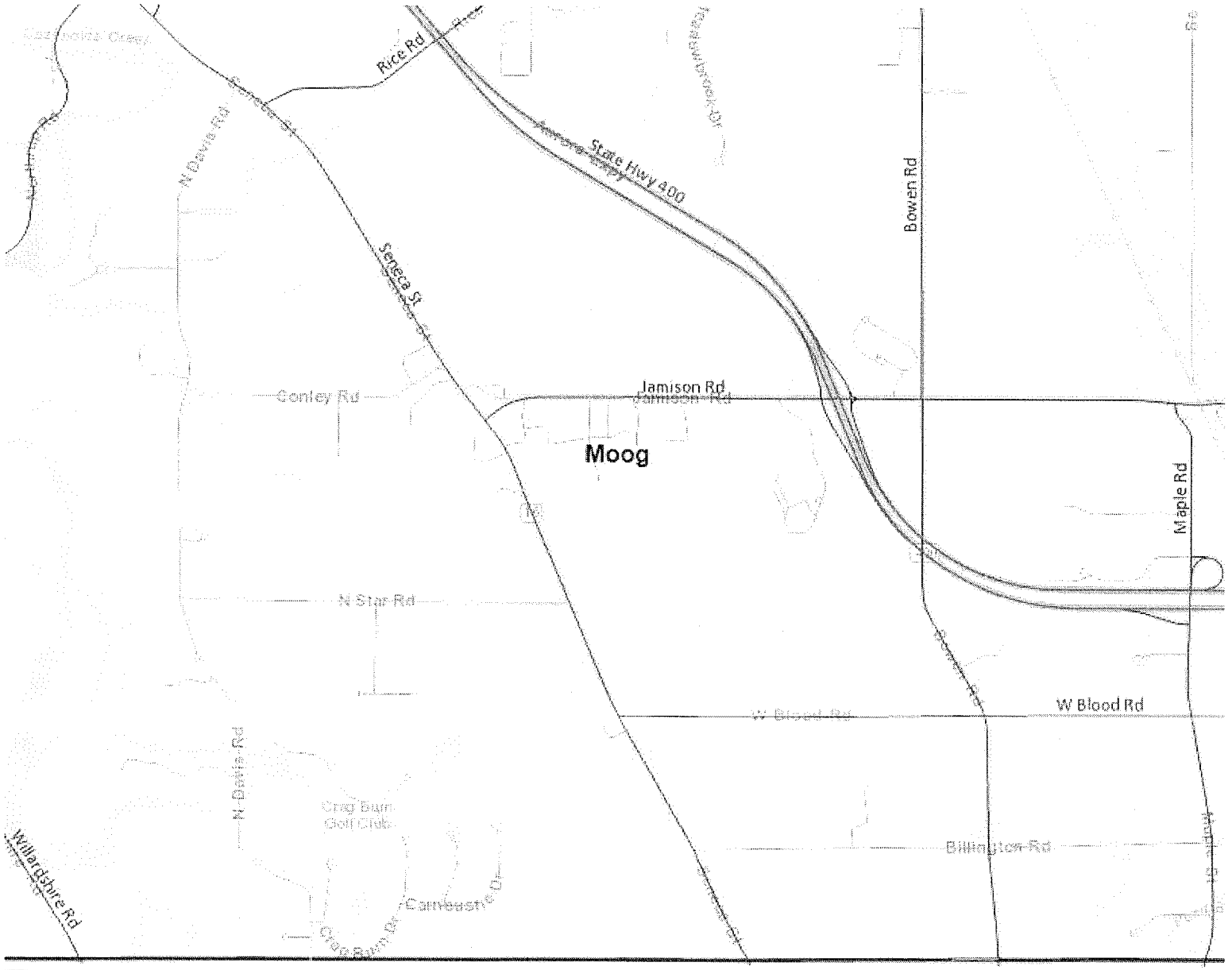
Figure 1. Site Location Plan



Legend

Streets and Highways
- Interstate
- Primary State Road
- Secondary State Road
- County Road
- Local Road

Municipal Boundaries

0 3,009.33 6,018.7 Feet

WGS_1984_Web_Mercator_Auxiliary_Sphere
THIS MAP IS NOT TO BE USED FOR NAVIGATION

ERIE COUNTY
DEPARTMENT OF ENVIRONMENT & PLANNING
OFFICE OF GIS

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

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Figure 2. General Site Plan and Well Locations

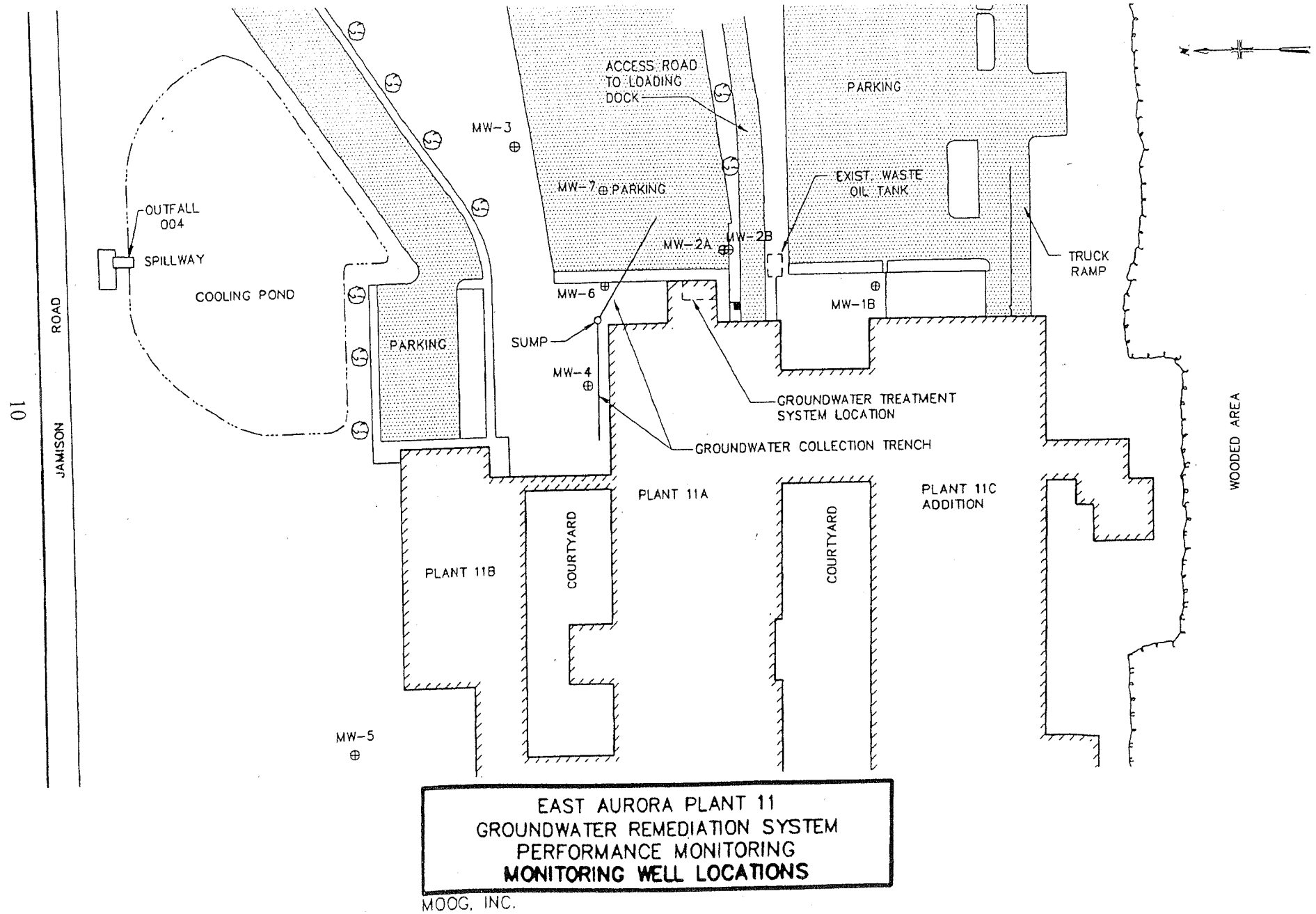
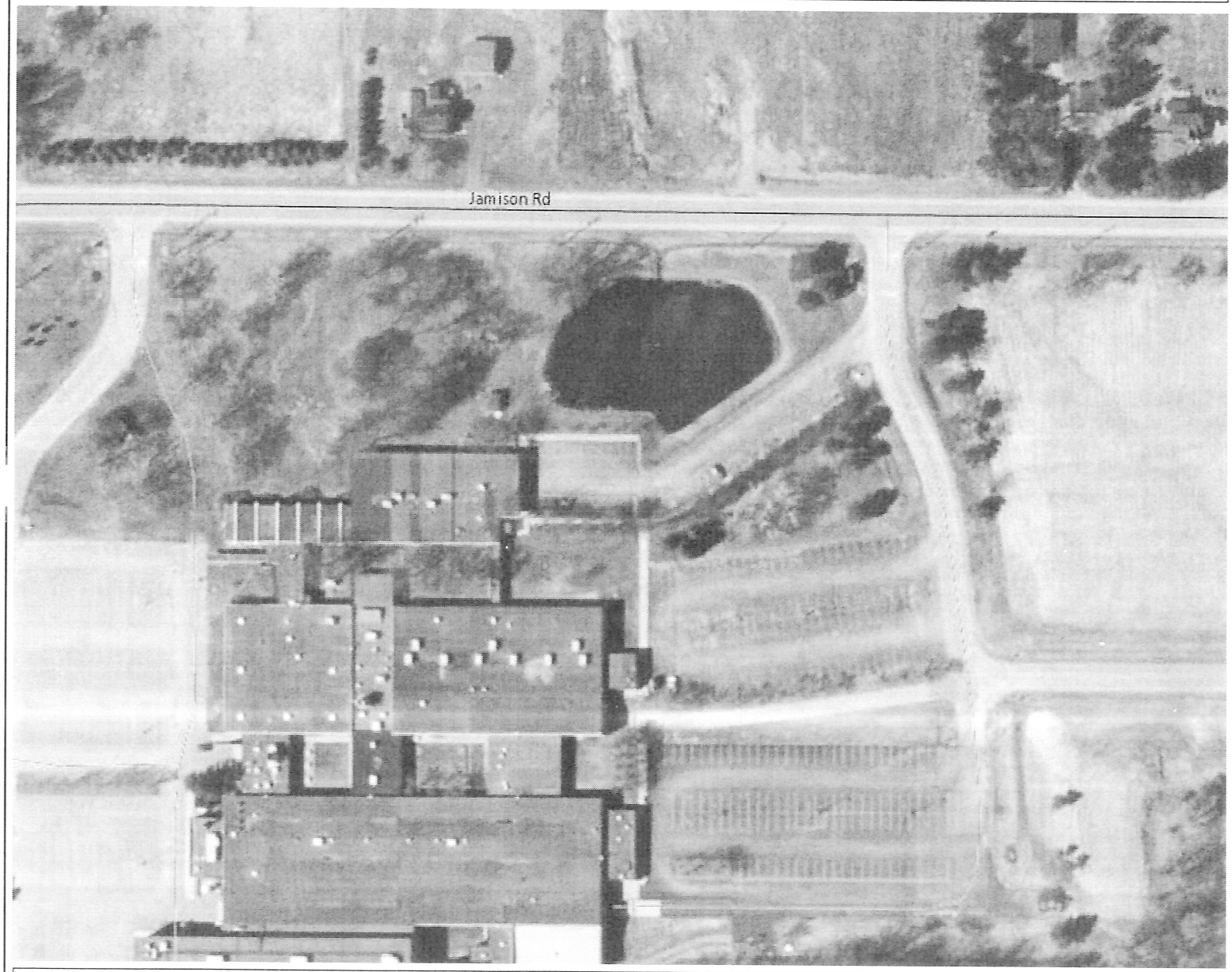


Figure 3. Moog Plant 11 Aerial Photograph



Legend

Streets and Highways
- Interstate
- Primary State Road
- Secondary State Road
- County Road
- Local Road

Municipal Boundaries

0 188.08 376.2 Feet

WGS_1984_Web_Mercator_Auxiliary_Sphere
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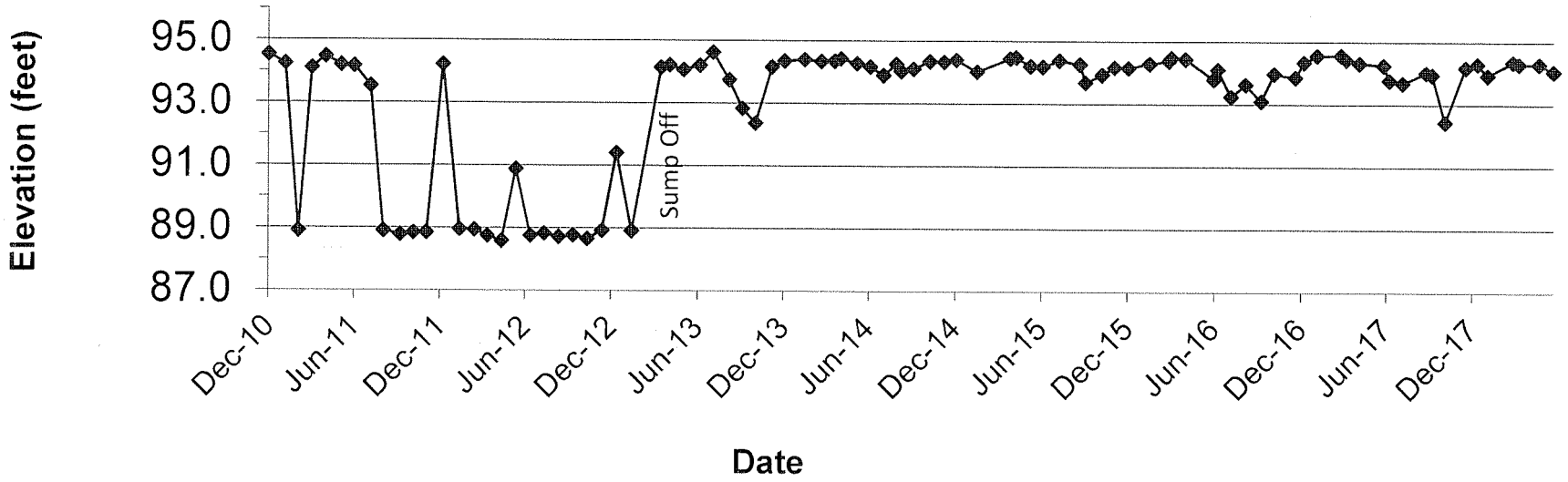
Figure 4. Groundwater Elevations in Sump



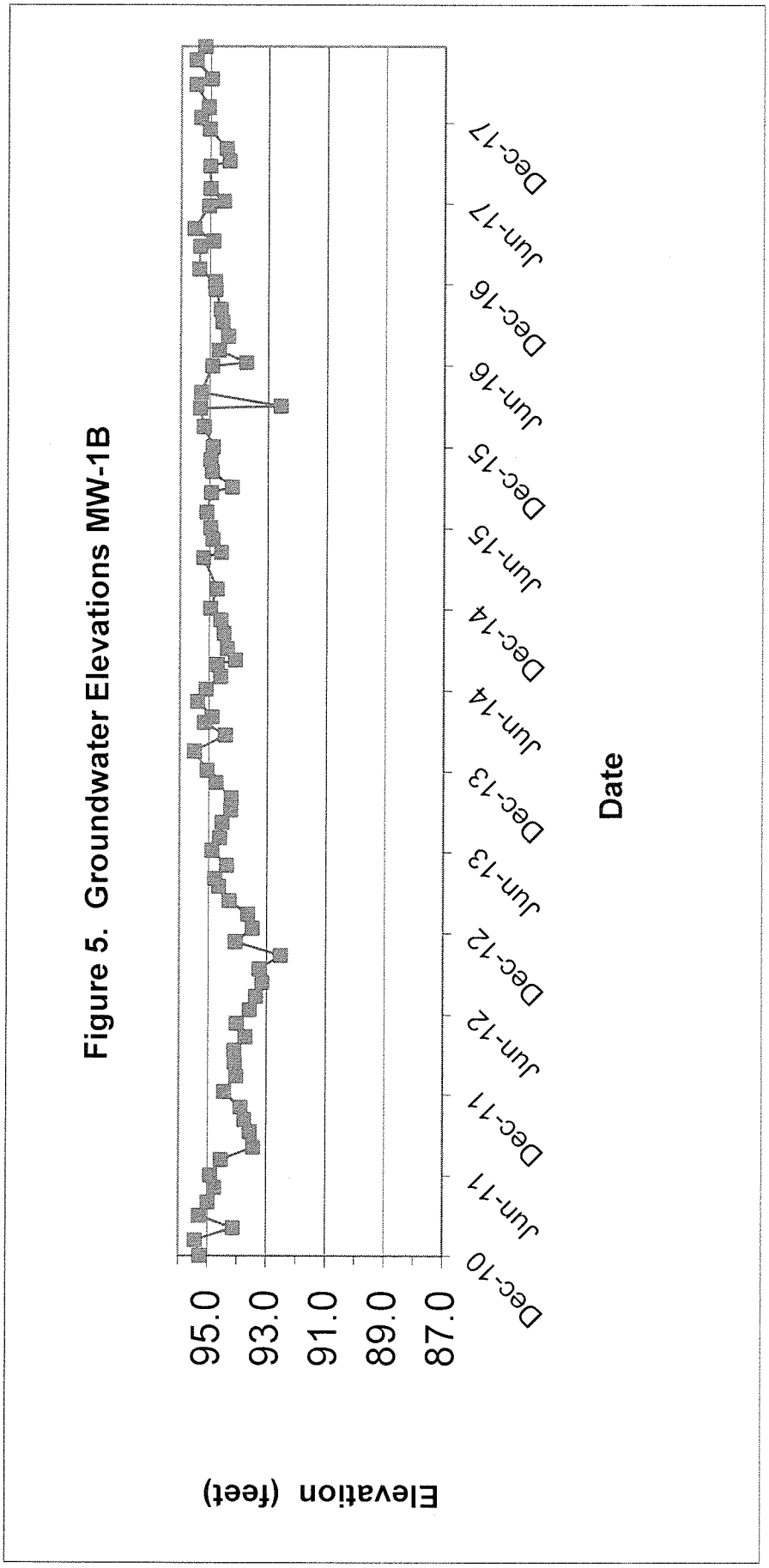


Figure 5. Groundwater Elevations MW-1B
Elevation (feet)
95.0
93.0
91.0
89.0
87.0
Dec-10
Jun-11
Dec-11
Jun-12
Dec-12
Jun-13
Dec-13
Jun-14
Dec-14
Jun-15
Dec-15
Jun-16
Dec-16
Jun-17
Dec-17
Date

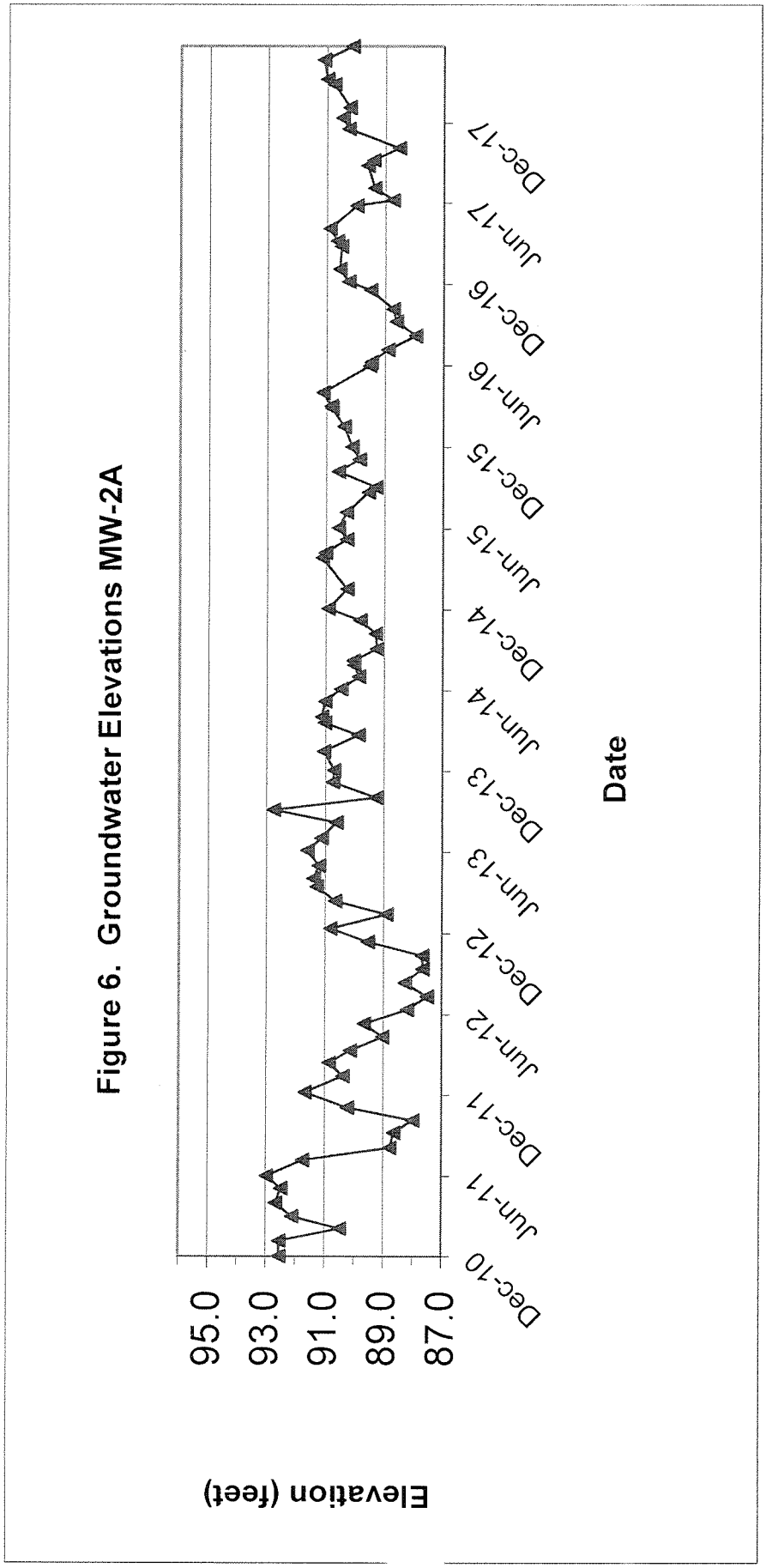


Figure 6. Groundwater Elevations MW-2A
Elevation (feet)
95.0
93.0
91.0
89.0
87.0
Dec-10
Jun-11
Dec-11
Jun-12
Dec-12
Jun-13
Dec-13
Jun-14
Dec-14
Jun-15
Dec-15
Jun-16
Dec-16
Jun-17
Dec-17
Date

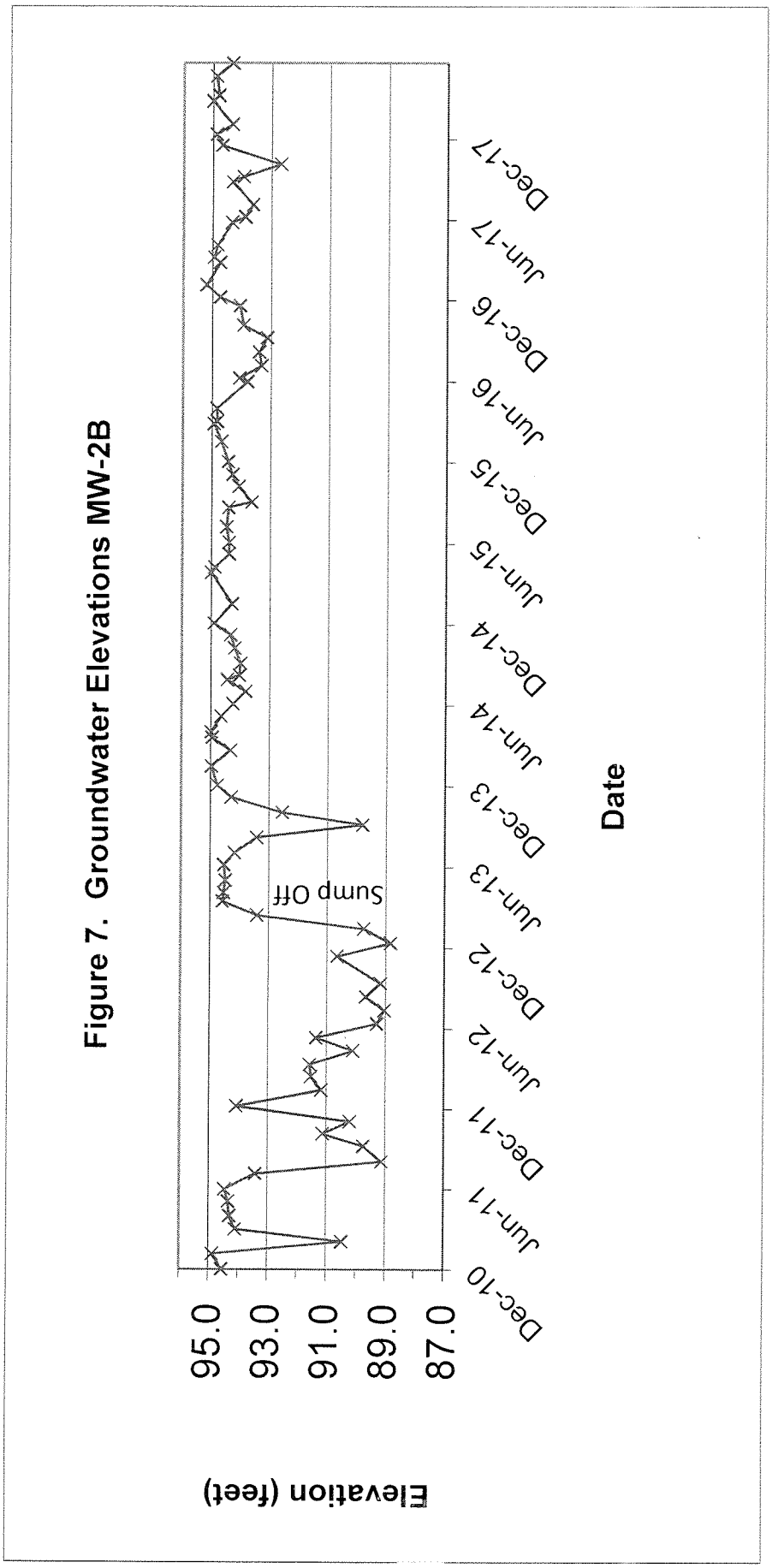


Figure 7. Groundwater Elevations MW-2B
Elevation (feet)
95.0
93.0
91.0
89.0
87.0
Sump Off
Dec-10
Jun-11
Dec-11
Jun-12
Dec-12
Jun-13
Dec-13
Jun-14
Dec-14
Jun-15
Dec-15
Jun-16
Dec-16
Jun-17
Dec-17
Date

Figure 8. Groundwater Elevations MW-3

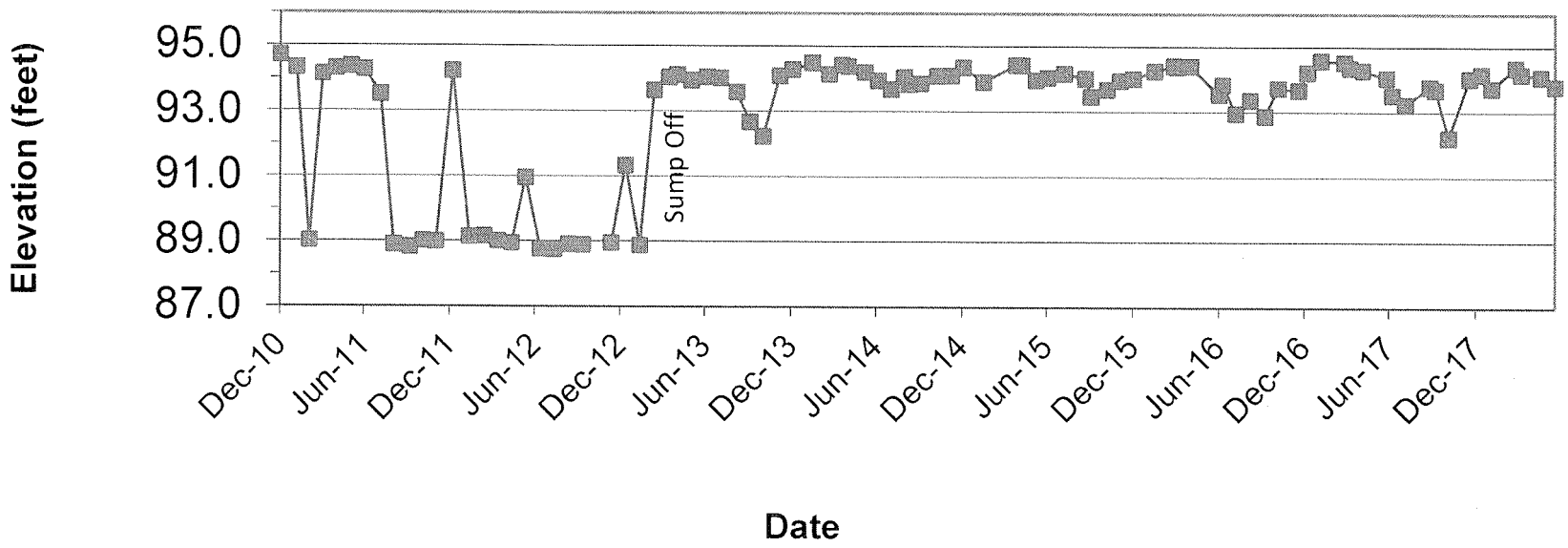
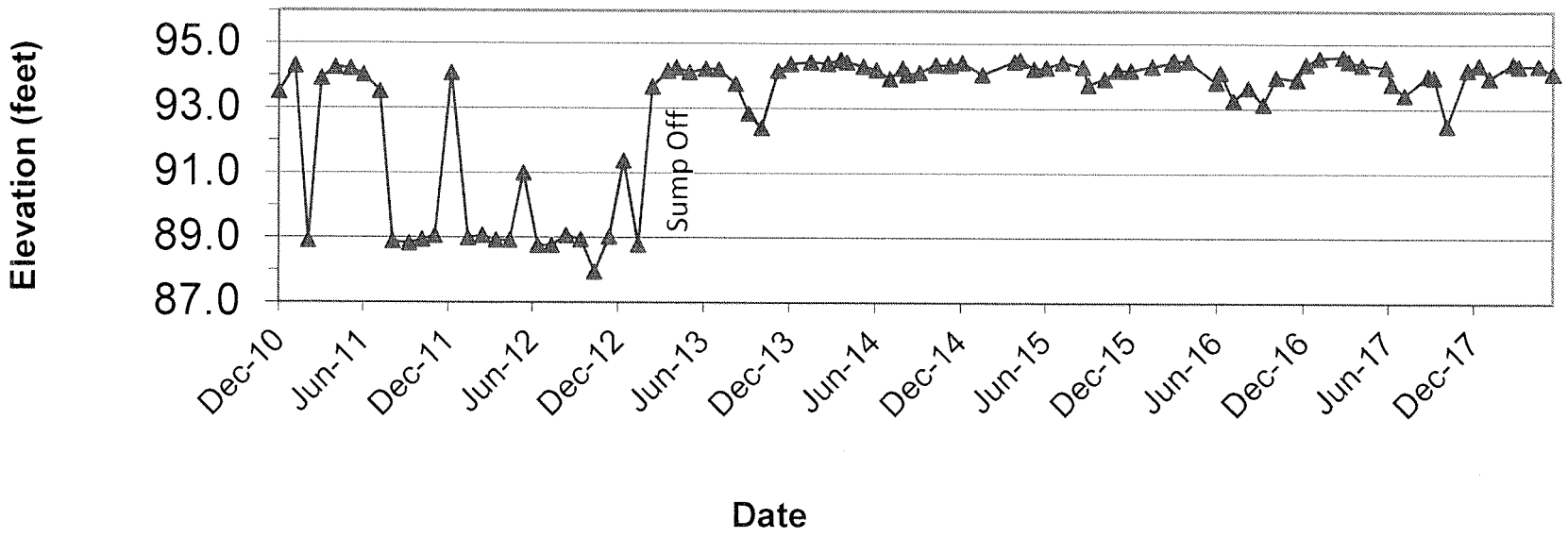


Figure 9. Groundwater Elevations MW-4



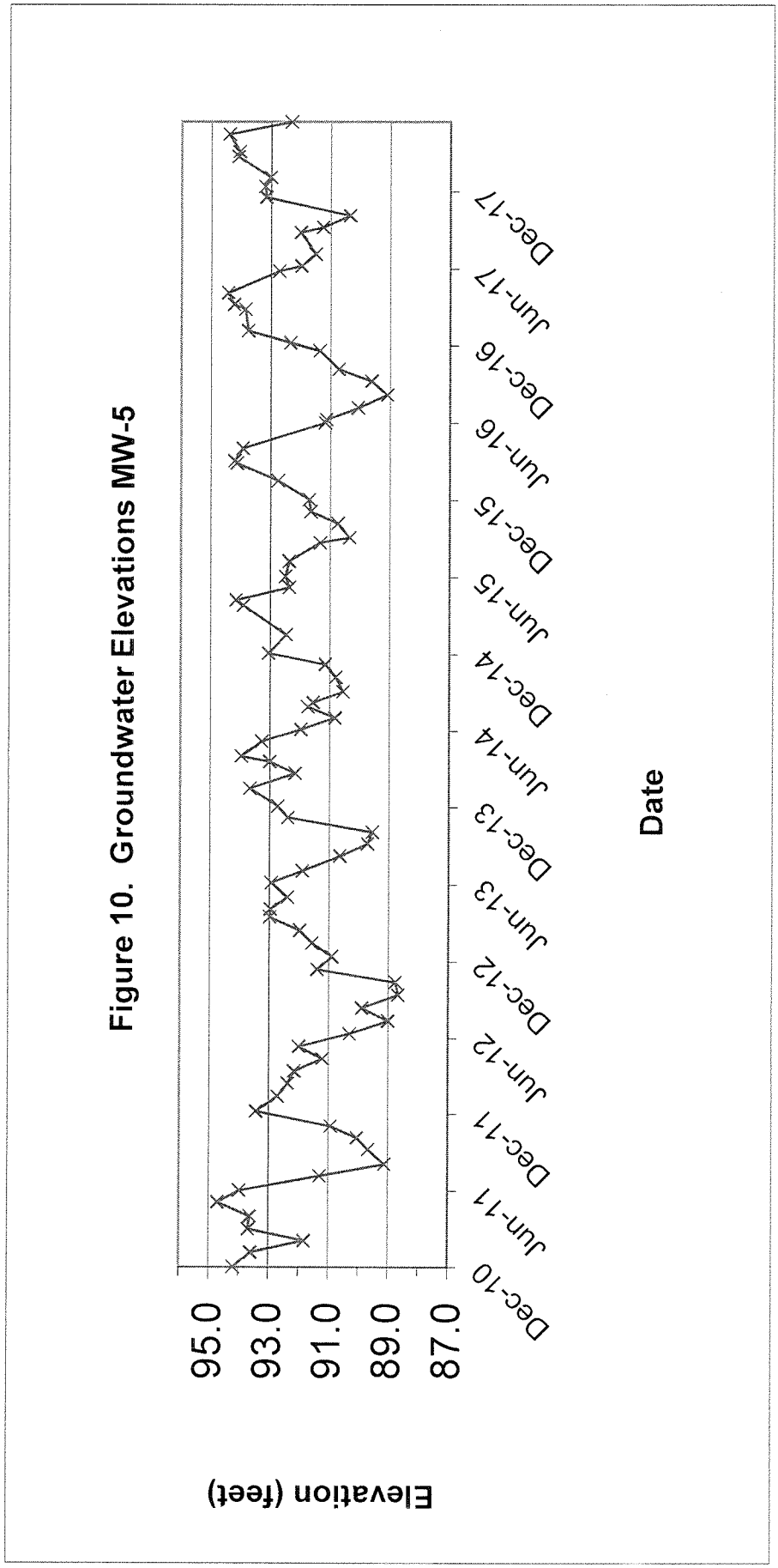


Figure 10. Groundwater Elevations MW-5
Elevation (feet)
95.0
93.0
91.0
89.0
87.0
Dec-10
Jun-11
Dec-11
Jun-12
Dec-12
Jun-13
Dec-13
Jun-14
Dec-14
Jun-15
Dec-15
Jun-16
Dec-16
Jun-17
Dec-17
Date

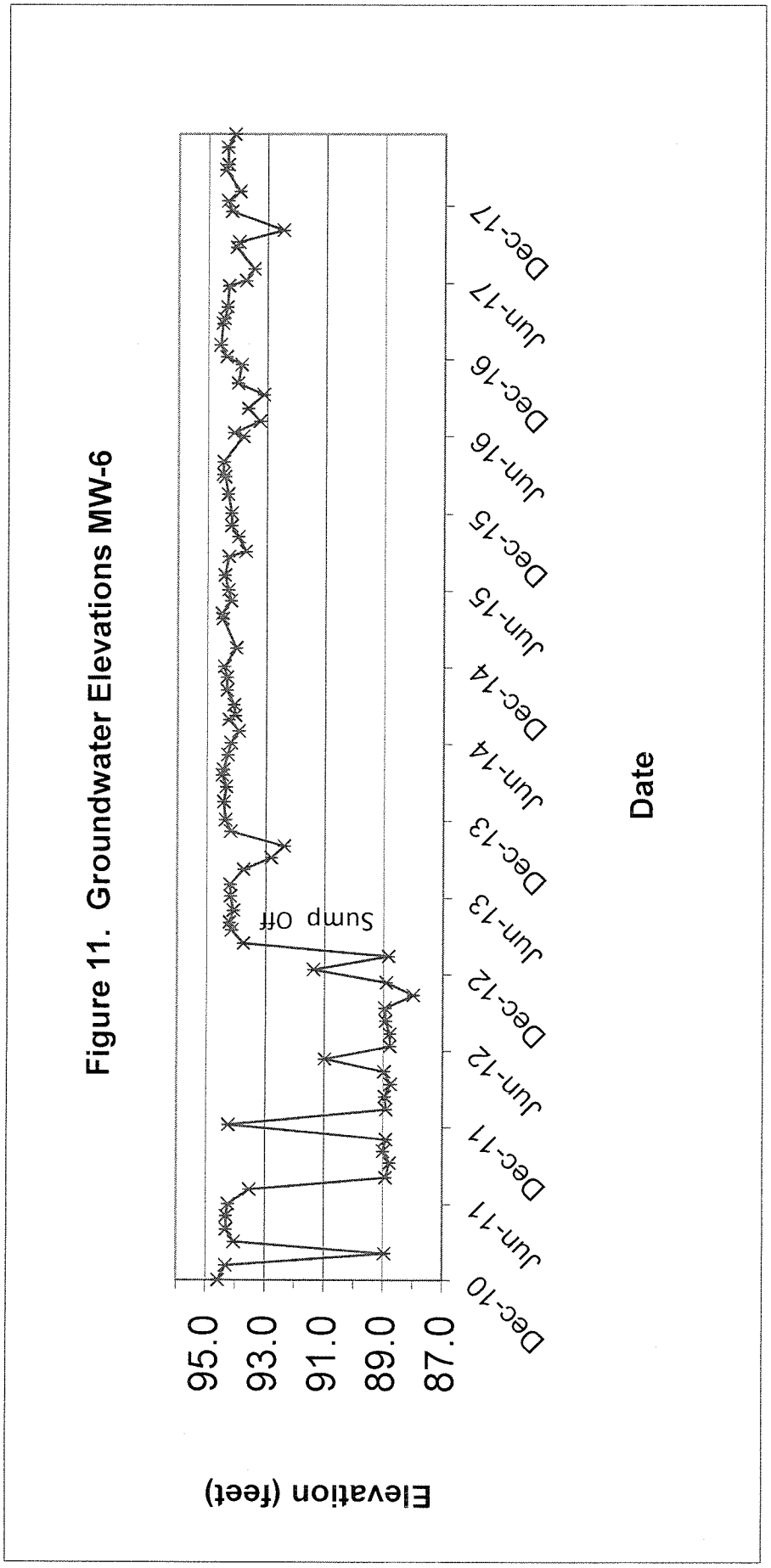


Figure 11. Groundwater Elevations MW-6
Elevation (feet)
95.0
93.0
91.0
89.0
87.0
Sump Off
Dec-10
Jun-11
Dec-11
Jun-12
Dec-12
Jun-13
Dec-13
Jun-14
Dec-14
Jun-15
Dec-15
Jun-16
Dec-16
Jun-17
Dec-17
Date

Figure 12. Groundwater Elevations MW-7

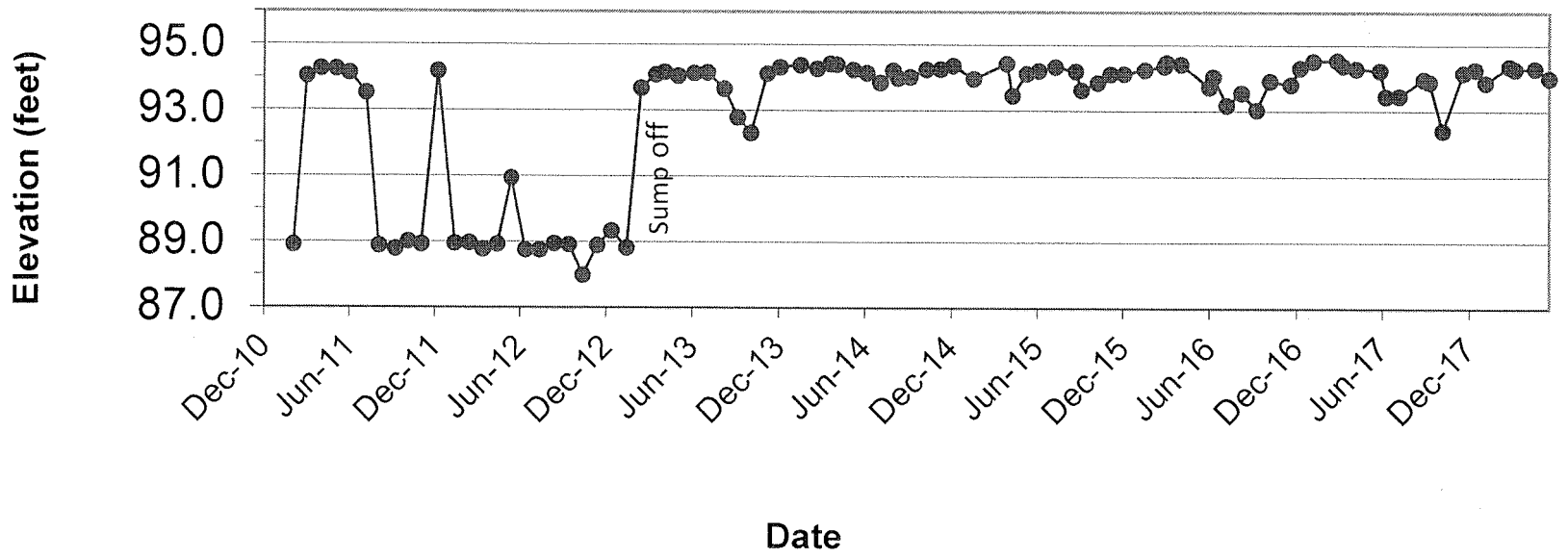


Figure 13.
Groundwater Contour Plot (September 2017)
Moog East Aurora Plant 11

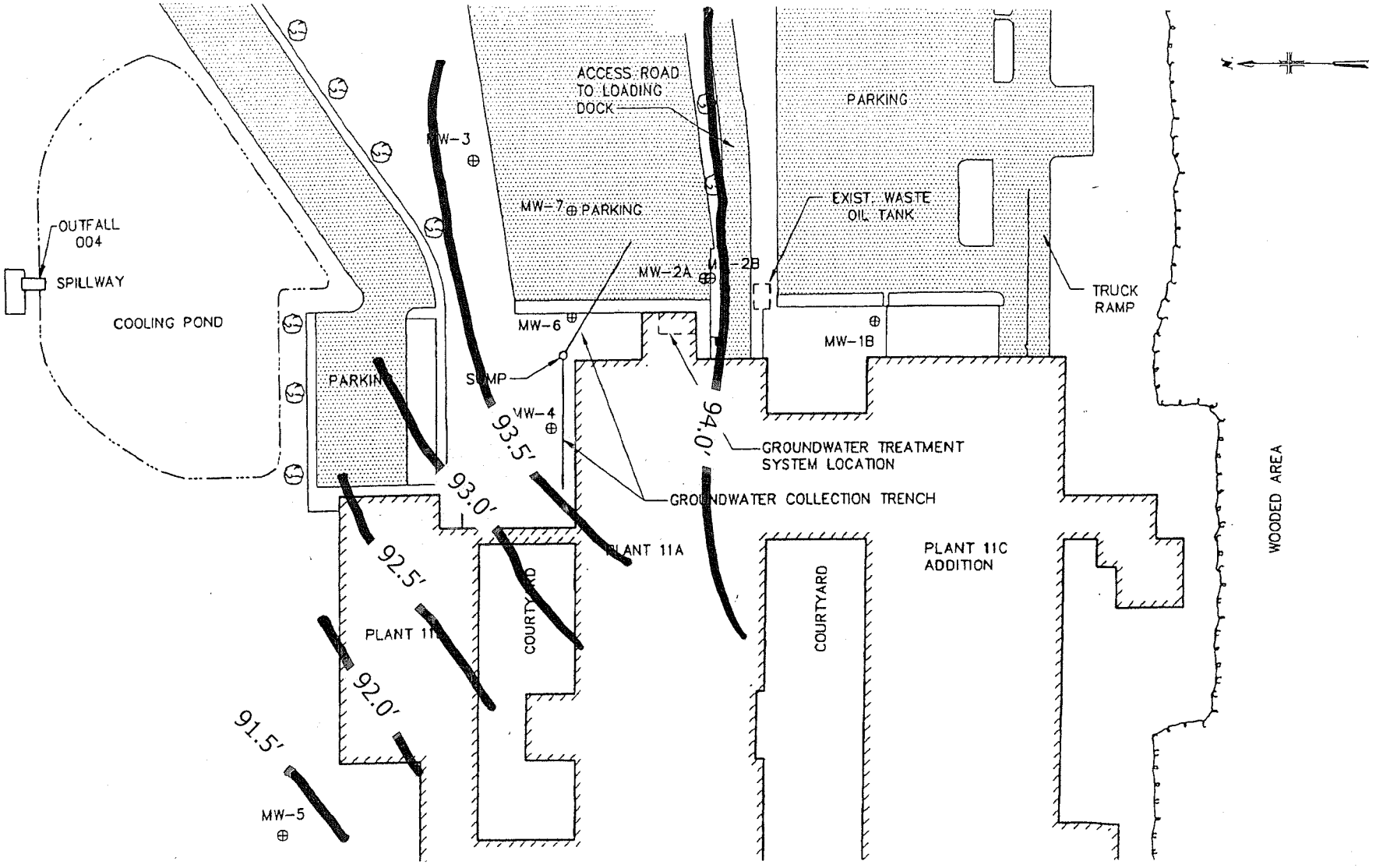
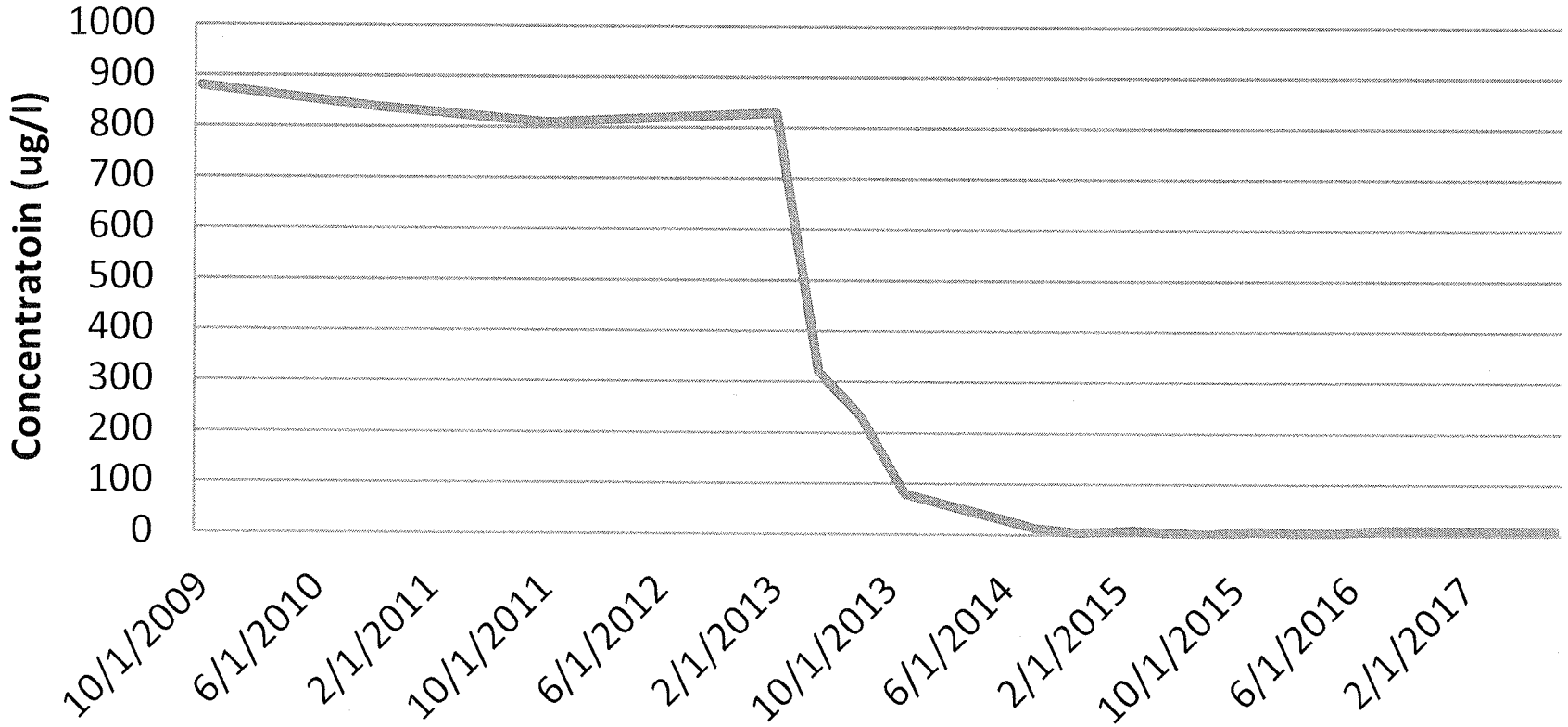


Figure 14. Concentration of CFC 113 in Well MW-2B



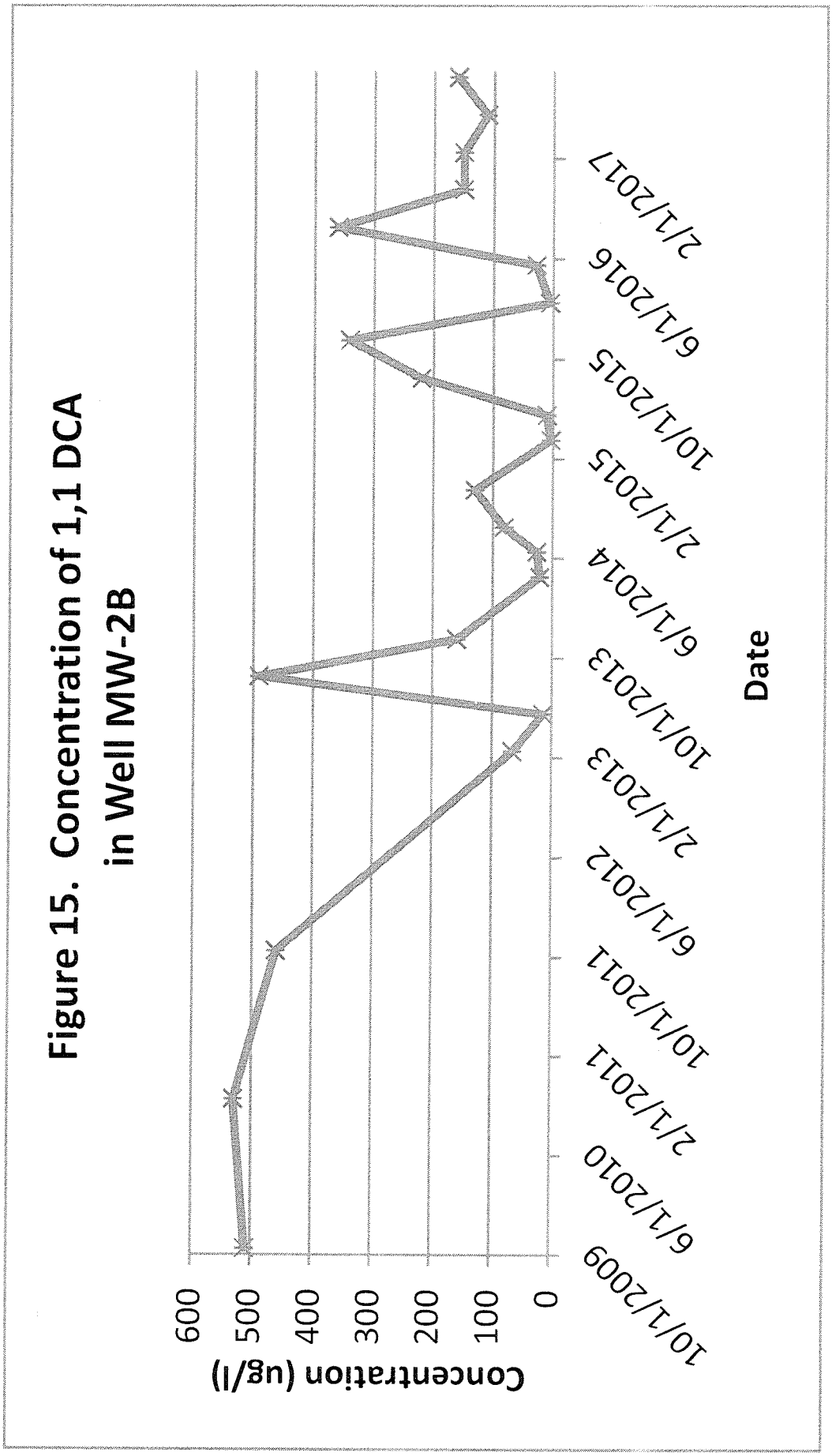
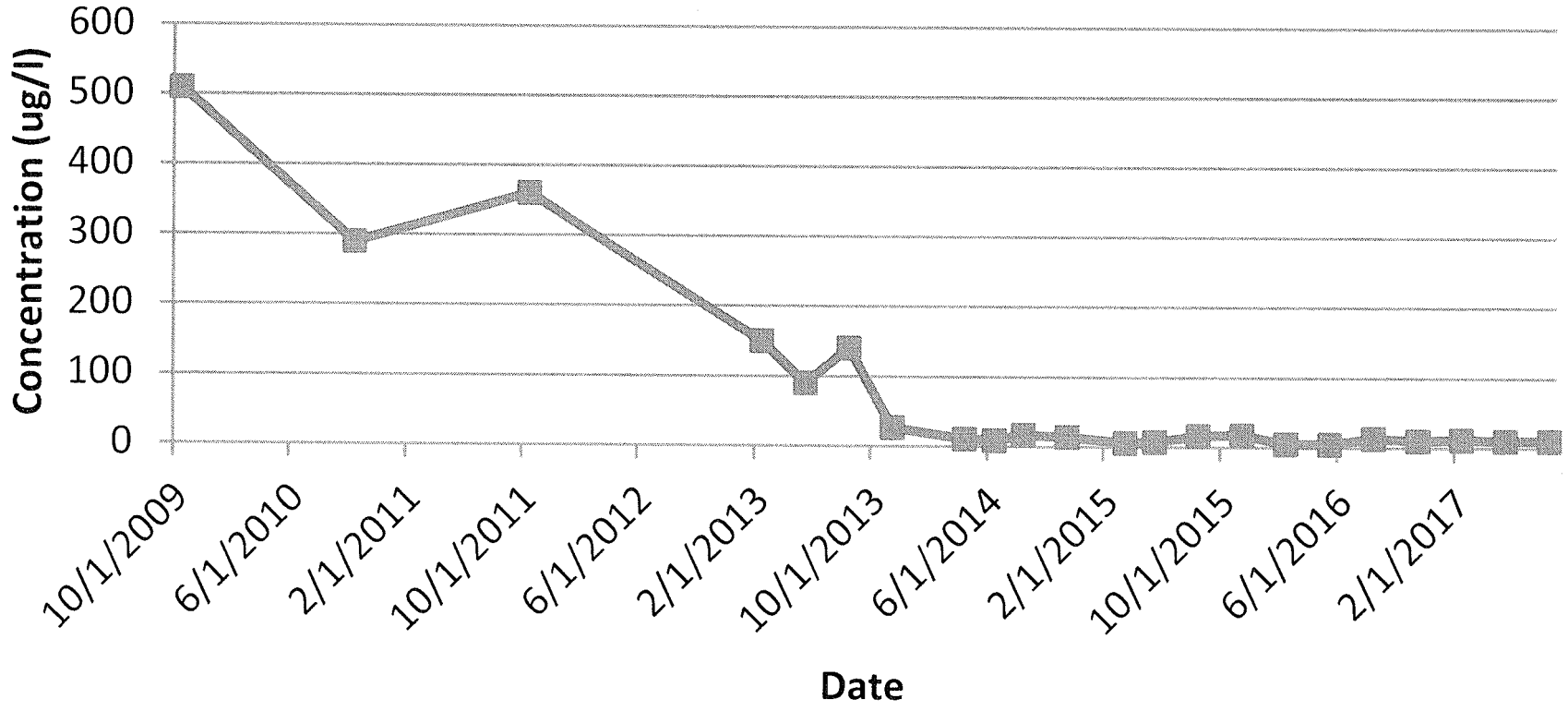


Figure 15. Concentration of 1,1 DCA in Well MW-2B
Concentration (ug/l)
600
500
400
300
200
100
0
10/1/2009
6/1/2010
2/1/2011
10/1/2011
6/1/2012
2/1/2013
10/1/2013
6/1/2014
2/1/2015
10/1/2015
6/1/2016
2/1/2017
Date

Figure 16. Concentration of TCE in Well MW-2B



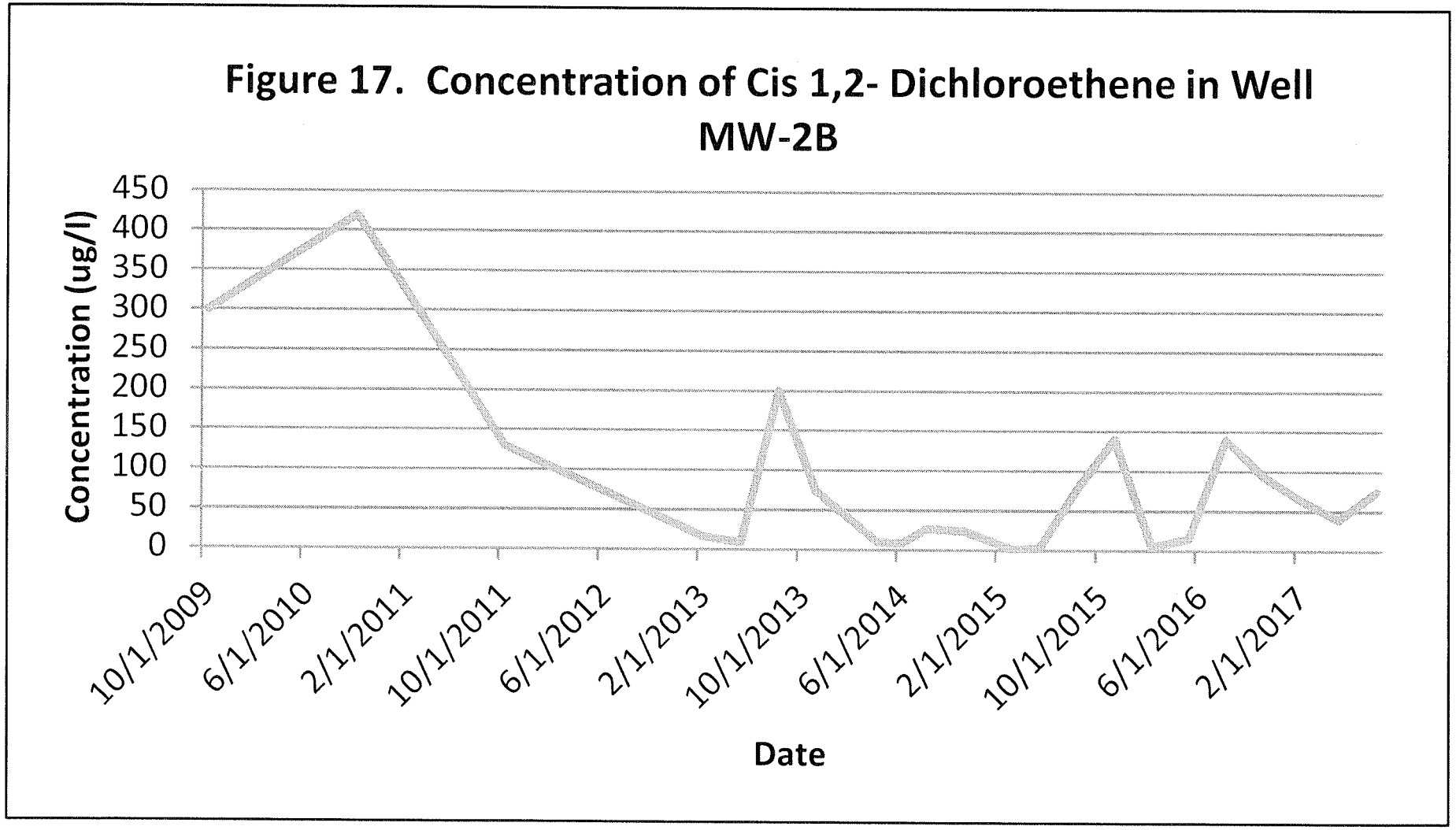


Figure 17. Concentration of Cis 1,2- Dichloroethene in Well MW-2B
Concentration (ug/l)
450
400
350
300
250
200
150
100
50
0
10/1/2009
6/1/2010
2/1/2011
10/1/2011
6/1/2012
2/1/2013
10/1/2013
6/1/2014
2/1/2015
10/1/2015
6/1/2016
2/1/2017
Date

TABLE 2
SUMMARY OF ANALYTICAL TESTING RESULTS FOR MOOG
October 2009
(Concentration in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
1,1,1-TRICHLOROETHANE (TCA)	1.0 U	1.0 U	34	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	1.0 U	1.0 U	880	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-DICHLOROETHANE (1,1-DCA)	1.0 U	1.0 U	510	1.0 U	3.2	1.0 U	1.0 U	1.0 U
1,1-DICHLOROETHENE (1,1-DCE)	1.0 U	1.0 U	29	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE (PCE)	1.0 U	1.0 U	83	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE (TCE)	1.0 U	1.0 U	510	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1,2-DICHLOROETHENE	1.0 U	1.0 U	300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

U = Not Detected, J = Estimated

TABLE 3
SUMMARY OF ANALYTICAL TESTING RESULTS FOR MOOG
October 2010
(Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
1,1,1-TRICHLOROETHANE (TCA)	1.0 U	1.0 U	41	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	1.0 U	1.0 U	840	1.0 U	1.0 U	1.0 U	1.7	1.0 U
1,1-DICHLOROETHANE (1,1-DCA)	1.0 U	1.0 U	530	1.0 U	4.2	1.0 U	5.1	1.0 U
1,1-DICHLOROETHENE (1,1-DCE)	1.0 U	1.0 U	35	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE (PCE)	1.0 U	1.0 U	58	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE (TCE)	1.0 U	1.0 U	290	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1,2-DICHLOROETHENE	1.0 U	1.0 U	420	1.0 U	1.0 U	1.0 U	2.5	1.0 U

U = Not Detected, J = Estimated

TABLE 4
SUMMARY OF ANALYTICAL TESTING RESULTS FOR MOOG
October 2010
(Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
1,1,1-TRICHLOROETHANE (TCA)	1.0 U	1.0 U	41	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	1.0 U	1.0 U	840	1.0 U	1.0 U	1.0 U	1.7	1.0 U
1,1-DICHLOROETHANE (1,1-DCA)	1.0 U	1.0 U	530	1.0 U	4.2	1.0 U	5.1	1.0 U
1,1-DICHLOROETHENE (1,1-DCE)	1.0 U	1.0 U	35	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE (PCE)	1.0 U	1.0 U	58	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE (TCE)	1.0 U	1.0 U	290	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1,2-DICHLOROETHENE	1.0 U	1.0 U	420	1.0 U	1.0 U	1.0 U	2.5	1.0 U

U = Not Detected, J = Estimated

TABLE 5
SUMMARY OF ANALYTICAL TESTING RESULTS FOR MOOG
October 2012
(Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
1,1,1-TRICHLOROETHANE (TCA)	1.0 U	1.0 U	Dry	Dry	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	1.0 U	1.0 U			1.0 U	1.0 U	1.0 U	1.0 U
1,1-DICHLOROETHANE (1,1-DCA)	1.0 U	1.0 U			4.2	1.0 U	3.6	1.0 U
1,1-DICHLOROETHENE (1,1-DCE)	1.0 U	1.0 U			1.0 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE (PCE)	1.0 U	1.0 U			1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE (TCE)	1.0 U	1.0 U			1.0 U	1.0 U	0.22 J	1.0 U
CIS-1,2-DICHLOROETHENE	1.0 U	1.0 U			0.46 J	1.0 U	1.1	1.0 U

U = Not Detected, J = Estimated

TABLE 6
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
First Quarter 2013 (February 22, 2013)
Concentrations in ug/l

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
1,1,1-TRICHLOROETHANE (TCA)	1.0 U	1.0 U	3.5 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-TETRACHLOROETHANE	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-TRICHLOROETHANE	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	1.0 U	1.0 U	830	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-DICHLOROETHANE (1,1-DCA)	1.0 U	1.0 U	65	1.0 U	2.0	1.0 U	0.72 J	1.0 U
1,1-DICHLOROETHENE (1,1-DCE)	1.0 U	1.0 U	18	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-DICHLOROETHANE	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-DICHLOROPROPANE	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-BUTANONE (MEK)	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-HEXANONE	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-METHYL-2-PENTANONE	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ACETONE	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BENZENE	26	3.4	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMOFORM	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMOMETHANE	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CARBON DISULFIDE	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CARBON TETRACHLORIDE	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CHLOROBENZENE	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CHLOROETHANE	1.0 U	2.4	5.0 U	1.0 U	0.96 J	1.0 U	1.0 U	1.0 U
CHLOROFORM	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CHLOROMETHANE	1.0 U	1.0 U	5.0 U	0.49 J	1.0 U	1.0 U	1.0 U	1.0 U
DIBROMOCHLOROMETHANE	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
DICHLOROMETHANE (METHYLENE CHLORIDE)	1.0 U	0.40 J	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ETHYLBENZENE	0.22 J	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
STYRENE	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE (PCE)	1.0 U	1.0 U	47	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TOLUENE	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE (TCE)	1.0 U	1.0 U	150	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
VINYL CHLORIDE	1.0 U	1.0 U	11	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1,2-DICHLOROETHENE	1.0 U	1.0 U	16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1,3-DICHLOROPROPENE	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
M,P-XYLENES	8.0	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
O-XYLENE	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1,2-DICHLOROETHENE	1.0 U	0.46 J	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1,3-DICHLOROPROPENE	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 7

SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Second Quarter 2013 (May 2, 2013) (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
1,1,1-TRICHLOROETHANE (TCA)	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROETHANE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	1.0	U	1.0	U	320		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-DICHLOROETHANE (1,1-DCA)	1.0	U	1.0	U	15		1.0	U	1.5		1.0	U	1.0	U	1.0	U
1,1-DICHLOROETHENE (1,1-DCE)	1.0	U	1.0	U	7.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-TRICHLOROBENZENE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	2.0	U	2.0	U	5.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2-DIBROMOETHANE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROBENZENE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROETHANE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROPROPANE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-DICHLOROBENZENE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-DICHLOROBENZENE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-BUTANONE (MEK)	5.0	U	5.0	U	13	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-HEXANONE	5.0	U	5.0	U	13	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-METHYL-2-PENTANONE	5.0	U	5.0	U	13	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ACETONE	5.0	U	5.0	U	3.7	J	1.4	J	5.0	U	5.0	U	5.0	U	5.0	U
BENZENE	9.5		3.1		2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMODICHLOROMETHANE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOFORM	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOMETHANE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CARBON DISULFIDE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CARBON TETRACHLORIDE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROBENZENE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROETHANE	1.0	U	6.5		2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROFORM	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROMETHANE	1.2		0.26	J	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

U = Not Detected, J = Estimated

TABLE 7

SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Second Quarter 2013 (May 2, 2013) (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
CYCLOHEXANE	1.0	U	8.1		2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
DIBROMOCHLOROMETHANE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
DICHLORODIFLUOROMETHANE (CFC 12)	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
DICHLOROMETHANE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
ETHYLBENZENE	1.0	U	0.21	J	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
ISOPROPYLBENZENE (CUMENE)	2.3		1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
METHYL ACETATE	2.0	U	2.0	U	5.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
METHYL TERT-BUTYL ETHER	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
METHYLCYCLOHEXANE	1.0	U	3.0		2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
STYRENE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TETRACHLOROETHENE (PCE)	1.0	U	1.0	U	23		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TOLUENE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRICHLOROETHENE (TCE)	1.0	U	1.0	U	90		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRICHLOROFLUOROMETHANE (CFC 11)	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
VINYL CHLORIDE	1.0	U	1.0	U	4.1		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CIS-1,2-DICHLOROETHENE	1.0	U	1.0	U	8.9		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
M,P-XYLENES	3.9		2.0	U	5.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
O-XYLENE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRANS-1,2-DICHLOROETHENE	1.0	U	0.67	J	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

U = Not Detected, J= Estimated

TABLE 8
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
Third Quarter 2013 (August 7, 2013) (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
1,1,1-TRICHLOROETHANE (TCA)	1.0	U	1.0	U	10		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROETHANE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	1.0	U	1.0	U	230		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-DICHLOROETHANE (1,1-DCA)	1.0	U	0.67	J	490		1.0	U	2.6		1.0	U	1.0	U	1.0	U
1,1-DICHLOROETHENE (1,1-DCE)	1.0	U	1.0	U	71		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-TRICHLOROBENZENE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	2.0	U	2.0	U	5.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2-DIBROMOETHANE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROBENZENE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROETHANE	1.0	U	0.41	J	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROPROPANE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-DICHLOROBENZENE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-DICHLOROBENZENE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-BUTANONE (MEK)	5.0	U	5.0	U	13	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-HEXANONE	5.0	U	5.0	U	13	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-METHYL-2-PENTANONE	5.0	U	5.0	U	13	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ACETONE	5.0	U	5.0	U	4.9	J	1.5	J	5.0	U	5.0	U	5.0	U	1.3	J
BENZENE	3.8		13		2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMODICHLOROMETHANE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOFORM	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOMETHANE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CARBON DISULFIDE	1.0	U	0.28	J	4.6		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CARBON TETRACHLORIDE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROBENZENE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROETHANE	1.0	U	20		2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROFORM	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROMETHANE	1.5		1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

U = Not Detected, J = Estimated

TABLE 8
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
Third Quarter 2013 (August 7, 2013) (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
CYCLOHEXANE	1.0	U	35		2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
DIBROMOCHLOROMETHANE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
DICHLORODIFLUOROMETHANE (CFC 12)	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
DICHLOROMETHANE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
ETHYLBENZENE	1.0	U	3.5		2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
ISOPROPYLBENZENE (CUMENE)	1.8		0.87	J	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
METHYL ACETATE	2.0	U	2.0	U	5.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
METHYL TERT-BUTYL ETHER	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
METHYLCYCLOHEXANE	3.5		12		2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
STYRENE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TETRACHLOROETHENE (PCE)	1.0	U	1.0	U	11		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TOLUENE	1.0	U	0.99	J	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRICHLOROETHENE (TCE)	1.0	U	0.41	J	140		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRICHLOROFLUOROMETHANE (CFC 11)	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
VINYL CHLORIDE	1.0	U	1.0	U	410		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CIS-1,2-DICHLOROETHENE	1.0	U	1.4		200		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
M,P-XYLENES	1.4	J	2.0	U	5.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
O-XYLENE	1.0	U	0.75	J	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRANS-1,2-DICHLOROETHENE	1.0	U	8.8		6.4		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

U = Not Detected, J= Estimated

TABLE 9

SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Fourth Quarter 2013 (November 6, 2013) (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
1,1,1-TRICHLOROETHANE (TCA)	1.0	U	1.0	U	0.49	J	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	1.0	U	1.0	U	79		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-DICHLOROETHANE (1,1-DCA)	1.0	U	0.22	J	160		1.0	U	3.1		1.0	U	1.0	U	1.0	U
1,1-DICHLOROETHENE (1,1-DCE)	1.0	U	1.0	U	9.5		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-TRICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2-DIBROMOETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROPROPANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-BUTANONE (MEK)	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-HEXANONE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-METHYL-2-PENTANONE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ACETONE	5.0	U	5.0	U	2.0	J	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
BENZENE	1.8		4.7		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMODICHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOFORM	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CARBON DISULFIDE	1.0	U	1.0	U	0.47	J	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CARBON TETRACHLORIDE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROETHANE	1.0	U	8.7		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROFORM	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROMETHANE	1.5		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

U = Not Detected, J = Estimated

TABLE 9

SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Fourth Quarter 2013 (November 6, 2013) (Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
CYCLOHEXANE	0.96 J	8.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
DIBROMOCHLOROMETHANE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
DICHLORODIFLUOROMETHANE (CFC 12)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
DICHLOROMETHANE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ETHYLBENZENE	1.0 U	0.94 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ISOPROPYLBENZENE (CUMENE)	1.6	0.36 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
METHYL ACETATE	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
METHYL TERT-BUTYL ETHER	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
METHYLCYCLOHEXANE	1.0 U	1.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
STYRENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE (PCE)	1.0 U	1.0 U	6.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TOLUENE	1.0 U	0.28 J	0.25 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE (TCE)	1.0 U	1.0 U	27	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROFLUOROMETHANE (CFC 11)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
VINYL CHLORIDE	1.0 U	1.0 U	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1,2-DICHLOROETHENE	1.0 U	0.47 J	74	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1,3-DICHLOROPROPENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
M,P-XYLENES	0.96 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
O-XYLENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1,2-DICHLOROETHENE	1.0 U	2.3	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1,3-DICHLOROPROPENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

U = Not Detected, J= Estimated

TABLE 10
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
First Quarter 2014 (March 21, 2014) (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
1,1,1-TRICHLOROETHANE (TCA)	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	1.0	U	1.0	U	43		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-DICHLOROETHANE (1,1-DCA)	1.0	U	1.0	U	21		1.0	U	2.0		1.0	U	1.0	U	0.3	J
1,1-DICHLOROETHENE (1,1-DCE)	1.0	U	1.0	U	2.5		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-TRICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2-DIBROMOETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROPROPANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-BUTANONE (MEK)	5.0	U	5.0	U	3.1	J	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-HEXANONE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-METHYL-2-PENTANONE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ACETONE	2.1	J	5.0	U	8.3		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
BENZENE	1.0	U	1.3		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMODICHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOFORM	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CARBON DISULFIDE	1.0	U	1.0	U	0.58	J	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CARBON TETRACHLORIDE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROETHANE	1.0	U	11		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROFORM	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROMETHANE	1.5		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

U = Not Detected, J = Estimated

TABLE 10
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
First Quarter 2014 (March 21, 2014) (Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
CYCLOHEXANE	0.69 J	3.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
DIBROMOCHLOROMETHANE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
DICHLORODIFLUOROMETHANE (CFC 12)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
DICHLOROMETHANE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ETHYLBENZENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ISOPROPYLBENZENE (CUMENE)	0.2 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
METHYL ACETATE	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
METHYL TERT-BUTYL ETHER	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
METHYLCYCLOHEXANE	1.0 U	1.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
STYRENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE (PCE)	1.0 U	1.0 U	4.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TOLUENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE (TCE)	1.0 U	1.0 U	11	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROFLUOROMETHANE (CFC 11)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
VINYL CHLORIDE	1.0 U	1.0 U	9.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1,2-DICHLOROETHENE	1.0 U	1.0 U	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1,3-DICHLOROPROPENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
M,P-XYLENES	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
O-XYLENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1,2-DICHLOROETHENE	1.0 U	0.58 J	0.62 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1,3-DICHLOROPROPENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

U = Not Detected, J= Estimated

TABLE 11

SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Second Quarter 2014 (June 12, 2014) (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
1,1,1-TRICHLOROETHANE (TCA)	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	1.0	U	1.0	U	28		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-DICHLOROETHANE (1,1-DCA)	1.0	U	1.0	U	26		1.0	U	2.2		1.0	U	1.0	U	1.0	U
1,1-DICHLOROETHENE (1,1-DCE)	1.0	U	1.0	U	1.7		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-TRICHLOROBENZENE	0.25	BJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2-DIBROMOETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROPROPANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-BUTANONE (MEK)	5.0	U	5.0	U	1.7	J	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-HEXANONE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-METHYL-2-PENTANONE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ACETONE	5.0	U	5.0	U	4.8	J	5.0	U	2.0	J	5.0	U	2.4	J	2.3	J
BENZENE	1.8		2.4		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMODICHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOFORM	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CARBON DISULFIDE	1.0	U	1.0	U	2.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CARBON TETRACHLORIDE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROETHANE	1.0	U	4.1		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROFORM	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROMETHANE	0.21	J	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

U = Not Detected, J = Estimated

TABLE 11

SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Second Quarter 2014 (June 12, 2014) (Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
CYCLOHEXANE	0.79 J	0.98 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
DIBROMOCHLOROMETHANE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
DICHLORODIFLUOROMETHANE (CFC 12)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
DICHLOROMETHANE	1.0 U	0.33 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ETHYLBENZENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ISOPROPYLBENZENE (CUMENE)	1.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
METHYL ACETATE	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
METHYL TERT-BUTYL ETHER	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
METHYLCYCLOHEXANE	1.0 U	1.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
STYRENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE (PCE)	1.0 U	1.0 U	3.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TOLUENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE (TCE)	1.0 U	1.0 U	8.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROFLUOROMETHANE (CFC 11)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
VINYL CHLORIDE	1.0 U	1.0 U	8.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1,2-DICHLOROETHENE	1.0 U	1.0 U	8.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1,3-DICHLOROPROPENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
M,P-XYLENES	0.36 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
O-XYLENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1,2-DICHLOROETHENE	1.0 U	0.79 J	0.60 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1,3-DICHLOROPROPENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

U = Not Detected, J= Estimated

TABLE 12
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
Third Quarter 2014 (August 8, 2014) (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
1,1,1-TRICHLOROETHANE (TCA)	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	1.0	U	1.0	U	13		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-DICHLOROETHANE (1,1-DCA)	1.0	U	1.0	U	81		1.0	U	4.0		1.0	U	1.0	U	1.0	U
1,1-DICHLOROETHENE (1,1-DCE)	1.0	U	1.0	U	5.4		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-TRICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2-DIBROMOETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROPROPANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-BUTANONE (MEK)	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-HEXANONE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-METHYL-2-PENTANONE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ACETONE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
BENZENE	23		4.3		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMODICHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOFORM	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CARBON DISULFIDE	1.0	U	1.0	U	1.7		0.66	J	0.42	J	1.0	U	1.0	U	1.0	U
CARBON TETRACHLORIDE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROETHANE	1.0	U	9.3		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROFORM	1.0	U	0.63	J	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

U = Not Detected, J = Estimated

TABLE 12

SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Third Quarter 2014 (August 8, 2014) (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
CYCLOHEXANE	1.4		1.4		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
DIBROMOCHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
DICHLORODIFLUOROMETHANE (CFC 12)	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
DICHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
ETHYLBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
ISOPROPYLBENZENE (CUMENE)	2.5		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
METHYL ACETATE	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
METHYL TERT-BUTYL ETHER	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
METHYLCYCLOHEXANE	1.0	U	0.8	J	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
STYRENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TETRACHLOROETHENE (PCE)	1.0	U	1.0	U	4.9		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TOLUENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRICHLOROETHENE (TCE)	1.0	U	1.0	U	17		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRICHLOROFLUOROMETHANE (CFC 11)	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
VINYL CHLORIDE	1.0	U	1.0	U	45		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CIS-1,2-DICHLOROETHENE	1.0	U	1.0	U	27		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
M,P-XYLENES	6.0		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
O-XYLENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRANS-1,2-DICHLOROETHENE	1.0	U	1.2		1.8		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

U = Not Detected, J= Estimated

TABLE 13
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
Fourth Quarter 2014 (November 7) (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
1,1,1-TRICHLOROETHANE (TCA)	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	1.0	U	1.0	U	4.3		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-DICHLOROETHANE (1,1-DCA)	1.0	U	1.0	U	130		1.0	U	3.3		1.0	U	0.44	J	1.0	U
1,1-DICHLOROETHENE (1,1-DCE)	1.0	U	1.0	U	4.7		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-TRICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2-DIBROMOETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROPROPANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-BUTANONE (MEK)	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-HEXANONE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-METHYL-2-PENTANONE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ACETONE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
BENZENE	5.7		2.6		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMODICHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOFORM	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CARBON DISULFIDE	1.0	U	1.0	U	3.5		0.72	J	1.0	U	1.0	U	1.0	U	1.0	U
CARBON TETRACHLORIDE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROETHANE	1.0	U	5.3		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROFORM	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

U = Not Detected, J = Estimated

TABLE 13
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
Fourth Quarter 2014 (November 7, 2014) (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
CYCLOHEXANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
DIBROMOCHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
DICHLORODIFLUOROMETHANE (CFC 12)	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
DICHLOROMETHANE	1.0	U	0.45	J	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
ETHYLBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
ISOPROPYLBENZENE (CUMENE)	1.7		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
METHYL ACETATE	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
METHYL TERT-BUTYL ETHER	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
METHYLCYCLOHEXANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
STYRENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TETRACHLOROETHENE (PCE)	1.0	U	1.0	U	3.9		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TOLUENE	1.0	U	1.0	U	0.24	J	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRICHLOROETHENE (TCE)	1.0	U	1.0	U	14		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRICHLOROFLUOROMETHANE (CFC 11)	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
VINYL CHLORIDE	1.0	U	1.0	U	34		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CIS-1,2-DICHLOROETHENE	1.0	U	1.0	U	24		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
M,P-XYLENES	1.3	J	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
O-XYLENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRANS-1,2-DICHLOROETHENE	1.0	U	0.62	J	4.8		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

U = Not Detected, J= Estimated

TABLE 14
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
First Quarter 2015 (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
1,1,1-TRICHLOROETHANE (TCA)	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	1.0	U	1.0	U	9.1		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-DICHLOROETHANE (1,1-DCA)	1.0	U	1.0	U	3.6		1.0	U	2.0		1.0	U	1.0	U	0.49	J
1,1-DICHLOROETHENE (1,1-DCE)	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-TRICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2-DIBROMOETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROPROPANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-BUTANONE (MEK)	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-HEXANONE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-METHYL-2-PENTANONE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ACETONE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	2.9	J
BENZENE	1.6		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMODICHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOFORM	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CARBON DISULFIDE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CARBON TETRACHLORIDE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROETHANE	1.0	U	4.1		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROFORM	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

U = Not Detected, J = Estimated

TABLE 14
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
First Quarter 2015 (Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
CYCLOHEXANE	0.39 J	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
DIBROMOCHLOROMETHANE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
DICHLORODIFLUOROMETHANE (CFC 12)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
DICHLOROMETHANE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ETHYLBENZENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ISOPROPYLBENZENE (CUMENE)	1.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
METHYL ACETATE	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
METHYL TERT-BUTYL ETHER	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
METHYLCYCLOHEXANE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
STYRENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE (PCE)	1.0 U	1.0 U	2.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TOLUENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE (TCE)	1.0 U	1.0 U	5.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROFLUOROMETHANE (CFC 11)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
VINYL CHLORIDE	1.0 U	1.0 U	4.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1,2-DICHLOROETHENE	1.0 U	1.0 U	0.69 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1,3-DICHLOROPROPENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
M,P-XYLENES	0.73 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
O-XYLENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1,2-DICHLOROETHENE	1.0 U	0.84 J	0.93 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1,3-DICHLOROPROPENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

U = Not Detected, J= Estimated

TABLE 15
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
Second Quarter 2015 (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
1,1,1-TRICHLOROETHANE (TCA)	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	1.0	U	1.0	U	5.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-DICHLOROETHANE (1,1-DCA)	1.0	U	1.0	U	10		1.0	U	2.2		1.0	U	1.0	U	1.0	U
1,1-DICHLOROETHENE (1,1-DCE)	1.0	U	1.0	U	1.2		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-TRICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2-DIBROMOETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROPROPANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-BUTANONE (MEK)	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-HEXANONE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-METHYL-2-PENTANONE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ACETONE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
BENZENE	1.7		1.9		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMODICHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOFORM	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CARBON DISULFIDE	1.0	U	0.39	J	0.27	J	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CARBON TETRACHLORIDE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROETHANE	1.0	U	4.6		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROFORM	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

U = Not Detected, J = Estimated

TABLE 15 (Continued)
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
Fourth Quarter 2015 (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
CYCLOHEXANE	0.39	J	0.7	J	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
DIBROMOCHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
DICHLORODIFLUOROMETHANE (CFC 12)	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
DICHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
ETHYLBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
ISOPROPYLBENZENE (CUMENE)	0.88	J	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
METHYL ACETATE	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
METHYL TERT-BUTYL ETHER	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
METHYLCYCLOHEXANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
STYRENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TETRACHLOROETHENE (PCE)	1.0	U	1.0	U	1.9		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TOLUENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRICHLOROETHENE (TCE)	1.0	U	1.0	U	7.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRICHLOROFLUOROMETHANE (CFC 11)	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
VINYL CHLORIDE	1.0	U	1.0	U	5.1		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CIS-1,2-DICHLOROETHENE	1.0	U	1.0	U	3.1		1.0	U	0.34	J	1.0	U	1.0	U	1.0	U
CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
M,P-XYLENES	0.35	J	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
O-XYLENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRANS-1,2-DICHLOROETHENE	1.0	U	0.39	J	3.4		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

U = Not Detected, J= Estimated

TABLE 16
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
Third Quarter 2015 (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
1,1,1-TRICHLOROETHANE (TCA)	1.0	U	1.0	U	1.1		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	1.0	U	1.0	U	1.4		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-DICHLOROETHANE (1,1-DCA)	1.0	U	1.0	U	220		1.0	U	1.9		1.0	U	1.0	U	1.0	U
1,1-DICHLOROETHENE (1,1-DCE)	1.0	U	1.0	U	8.9		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-TRICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2-DIBROMOETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-DICHLOROPROPANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-DICHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-BUTANONE (MEK)	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-HEXANONE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-METHYL-2-PENTANONE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ACETONE	3.2	J	5.0	U	1.7	J	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
BENZENE	1.0	U	2.4		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMODICHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOFORM	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
BROMOMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CARBON DISULFIDE	1.0	U	1.0	U	3.2		0.4	J	0.45	J	1.0	U	1.0	U	1.0	U
CARBON TETRACHLORIDE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROETHANE	1.0	U	5.1		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROFORM	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

U = Not Detected, J = Estimated

TABLE 16
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
Third Fourth Quarter 2015 (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
CYCLOHEXANE	0.39	J	0.56	J	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
DIBROMOCHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
DICHLORODIFLUOROMETHANE (CFC 12)	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
DICHLOROMETHANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
ETHYLBENZENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
ISOPROPYLBENZENE (CUMENE)	0.82	J	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
METHYL ACETATE	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
METHYL TERT-BUTYL ETHER	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
METHYLCYCLOHEXANE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
STYRENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TETRACHLOROETHENE (PCE)	1.0	U	1.0	U	1.8		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TOLUENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRICHLOROETHENE (TCE)	1.0	U	1.0	U	16		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRICHLOROFLUOROMETHANE (CFC 11)	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
VINYL CHLORIDE	1.0	U	1.0	U	130		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CIS-1,2-DICHLOROETHENE	1.0	U	1.0	U	77		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
M,P-XYLENES	1.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
O-XYLENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRANS-1,2-DICHLOROETHENE	1.0	U	0.50	J	26		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

U = Not Detected, J= Estimated

TABLE 18
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
First Quarter 2016 (Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
1,1,1-TRICHLOROETHANE (TCA)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-TETRACHLOROETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHANE (1,1-DCA)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHENE (1,1-DCE)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-TRICHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-DIBROMOETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROPROPANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-DICHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-DICHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-BUTANONE (MEK)	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-HEXANONE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-METHYL-2-PENTANONE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
ACETONE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMODICHLOROMETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOFORM	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOMETHANE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
CARBON DISULFIDE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CARBON TETRACHLORIDE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROETHANE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
CHLOROFORM	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROMETHANE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

U = Not Detected, J = Estimated

TABLE 18 (Continued)
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
First Quarter 2016 (Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
CYCLOHEXANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
DICHLORODIFLUOROMETHANE (CFC 12)	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
DICHLOROMETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ETHYLBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ISOPROPYLBENZENE (CUMENE)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
METHYL ACETATE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
METHYL TERT-BUTYL ETHER	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
METHYLCYCLOHEXANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
STYRENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TETRACHLOROETHENE (PCE)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TOLUENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TRICHLOROETHENE (TCE)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TRICHLOROFLUOROMETHANE (CFC 11)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
VINYL CHLORIDE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
CIS-1,2-DICHLOROETHENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CIS-1,3-DICHLOROPROPENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
M,P-XYLENES	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
O-XYLENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TRANS-1,2-DICHLOROETHENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TRANS-1,3-DICHLOROPROPENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

U = Not Detected, J= Estimated, B=Found in Method Blank

TABLE 19
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
Second Quarter 2016 (Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
1,1,1-TRICHLOROETHANE (TCA)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-TETRACHLOROETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHANE (1,1-DCA)	5.0 U	5.0 U	28	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHENE (1,1-DCE)	5.0 U	5.0 U	6.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-TRICHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-DIBROMOETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROPROPANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-DICHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-DICHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-BUTANONE (MEK)	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-HEXANONE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-METHYL-2-PENTANONE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
ACETONE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMODICHLOROMETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOFORM	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOMETHANE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
CARBON DISULFIDE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CARBON TETRACHLORIDE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROETHANE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
CHLOROFORM	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROMETHANE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

U = Not Detected, J = Estimated

TABLE 19 (Continued)
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
Second Quarter 2016 (Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
CYCLOHEXANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
DICHLORODIFLUOROMETHANE (CFC 12)	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
DICHLOROMETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ETHYLBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ISOPROPYLBENZENE (CUMENE)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
METHYL ACETATE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
METHYL TERT-BUTYL ETHER	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
METHYLCYCLOHEXANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
STYRENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TETRACHLOROETHENE (PCE)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TOLUENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TRICHLOROETHENE (TCE)	5.0 U	5.0 U	5.4	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TRICHLOROFLUOROMETHANE (CFC 11)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
VINYL CHLORIDE	10.0 U	10.0 U	52	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
CIS-1,2-DICHLOROETHENE	5.0 U	5.0 U	15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CIS-1,3-DICHLOROPROPENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
M,P-XYLENES	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
O-XYLENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TRANS-1,2-DICHLOROETHENE	5.0 U	5.0 U	15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TRANS-1,3-DICHLOROPROPENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

U = Not Detected, J= Estimated, B=Found in Method Blank

TABLE 20
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
Third Quarter 2016 (Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
1,1,1-TRICHLOROETHANE (TCA)	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-TETRACHLOROETHANE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROETHANE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHANE (1,1-DCA)	5.0 U	5.0 U	360	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHENE (1,1-DCE)	5.0 U	5.0 U	22	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-TRICHLOROBENZENE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	10.0 U	10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-DIBROMOETHANE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROBENZENE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROETHANE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROPROPANE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-DICHLOROBENZENE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-DICHLOROBENZENE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-BUTANONE (MEK)	10.0 U	10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-HEXANONE	10.0 U	10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-METHYL-2-PENTANONE	10.0 U	10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
ACETONE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BENZENE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMODICHLOROMETHANE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOFORM	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOMETHANE	10.0 U	10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
CARBON DISULFIDE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CARBON TETRACHLORIDE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROBENZENE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROETHANE	10.0 U	10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
CHLOROFORM	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROMETHANE	10.0 U	10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

U = Not Detected, J = Estimated

TABLE 20 (Continued)
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Third Quarter 2016 (Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
CYCLOHEXANE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
DICHLORODIFLUOROMETHANE (CFC 12)	10.0 U	10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
DICHLOROMETHANE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ETHYLBENZENE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ISOPROPYLBENZENE (CUMENE)	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
METHYL ACETATE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
METHYL TERT-BUTYL ETHER	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
METHYLCYCLOHEXANE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
STYRENE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TETRACHLOROETHENE (PCE)	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TOLUENE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TRICHLOROETHENE (TCE)	5.0 U	5.0 U	16	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TRICHLOROFLUOROMETHANE (CFC 11)	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
VINYL CHLORIDE	10.0 U	10.0 U	260	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
CIS-1,2-DICHLOROETHENE	5.0 U	5.0 U	140	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CIS-1,3-DICHLOROPROPENE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
M,P-XYLENES	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
O-XYLENE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TRANS-1,2-DICHLOROETHENE	5.0 U	5.0 U	38	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TRANS-1,3-DICHLOROPROPENE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

U = Not Detected, J= Estimated, B=Found in Method Blank

TABLE 21
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
Fourth Quarter 2016 (Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
1,1,1-TRICHLOROETHANE (TCA)	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-TETRACHLOROETHANE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROETHANE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHANE (1,1-DCA)	5.0 U	5.0 U	150	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHENE (1,1-DCE)	5.0 U	5.0 U	13	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-TRICHLOROBENZENE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	10.0 U	10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-DIBROMOETHANE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROBENZENE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROETHANE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROPROPANE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-DICHLOROBENZENE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-DICHLOROBENZENE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-BUTANONE (MEK)	10.0 U	10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-HEXANONE	10.0 U	10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-METHYL-2-PENTANONE	10.0 U	10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
ACETONE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BENZENE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMODICHLOROMETHANE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOFORM	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOMETHANE	10.0 U	10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
CARBON DISULFIDE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CARBON TETRACHLORIDE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROBENZENE	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROETHANE	10.0 U	10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
CHLOROFORM	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROMETHANE	10.0 U	10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

U = Not Detected, J = Estimated

TABLE 21 (Continued)
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Fourth Quarter 2016 (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
CYCLOHEXANE	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DIBROMOCHLOROMETHANE	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DICHLORODIFLUOROMETHANE (CFC 12)	10.0	U	10.0	U	20.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
DICHLOROMETHANE	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ETHYLBENZENE	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ISOPROPYLBENZENE (CUMENE)	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL ACETATE	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL TERT-BUTYL ETHER	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYLCYCLOHEXANE	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
STYRENE	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TETRACHLOROETHENE (PCE)	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TOLUENE	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROETHENE (TCE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROFLUOROMETHANE (CFC 11)	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
VINYL CHLORIDE	10.0	U	10.0	U	20	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
CIS-1,2-DICHLOROETHENE	5.0	U	5.0	U	94		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CIS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
M,P-XYLENES	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
O-XYLENE	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,2-DICHLOROETHENE	5.0	U	5.0	U	29		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U

U = Not Detected, J= Estimated, B=Found in Method Blank

TABLE 22
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
First Quarter 2017 (Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
1,1,1-TRICHLOROETHANE (TCA)	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-TETRACHLOROETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHANE (1,1-DCA)	5.0 U	5.0 U	150	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHENE (1,1-DCE)	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-TRICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
1,2-DIBROMOETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROPROPANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-DICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-DICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-BUTANONE (MEK)	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
2-HEXANONE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
ACETONE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMODICHLOROMETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOFORM	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOMETHANE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
CARBON DISULFIDE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CARBON TETRACHLORIDE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROETHANE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
CHLOROFORM	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROMETHANE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U

U = Not Detected, J = Estimated

TABLE 22 (Continued)
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

First Quarter 2017 (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
CYCLOHEXANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DIBROMOCHLOROMETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DICHLORODIFLUOROMETHANE (CFC 12)	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U
DICHLOROMETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ETHYLBENZENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ISOPROPYLBENZENE (CUMENE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL ACETATE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL TERT-BUTYL ETHER	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYLCYCLOHEXANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
STYRENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TETRACHLOROETHENE (PCE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TOLUENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROETHENE (TCE)	5.0	U	5.0	U	12		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROFLUOROMETHANE (CFC 11)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
VINYL CHLORIDE	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U
CIS-1,2-DICHLOROETHENE	5.0	U	5.0	U	64		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CIS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
M,P-XYLENES	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
O-XYLENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,2-DICHLOROETHENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U

U = Not Detected, J= Estimated, B=Found in Method Blank

TABLE 23

SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Second Quarter 2017 (Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
1,1,1-TRICHLOROETHANE (TCA)	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-TETRACHLOROETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHANE (1,1-DCA)	5.0 U	5.0 U	110	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHENE (1,1-DCE)	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-TRICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
1,2-DIBROMOETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROPROPANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-DICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-DICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-BUTANONE (MEK)	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
2-HEXANONE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
ACETONE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMODICHLOROMETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOFORM	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOMETHANE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
CARBON DISULFIDE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CARBON TETRACHLORIDE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROETHANE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
CHLOROFORM	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROMETHANE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U

U = Not Detected, J = Estimated

TABLE 23 (Continued)
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Second Quarter 2017 (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
CYCLOHEXANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DIBROMOCHLOROMETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DICHLORODIFLUOROMETHANE (CFC 12)	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U
DICHLOROMETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ETHYLBENZENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ISOPROPYLBENZENE (CUMENE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL ACETATE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL TERT-BUTYL ETHER	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYLCYCLOHEXANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
STYRENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TETRACHLOROETHENE (PCE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TOLUENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROETHENE (TCE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROFLUOROMETHANE (CFC 11)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
VINYL CHLORIDE	10	U	10	U	68		10	U	10	U	10	U	10	U	10	U
CIS-1,2-DICHLOROETHENE	5.0	U	5.0	U	39		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CIS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
M,P-XYLENES	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
O-XYLENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,2-DICHLOROETHENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U

U = Not Detected, J= Estimated, B=Found in Method Blank

TABLE 24
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.
Third Quarter 2017 (Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
1,1,1-TRICHLOROETHANE (TCA)	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-TETRACHLOROETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHANE (1,1-DCA)	5.0 U	5.0 U	160	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHENE (1,1-DCE)	5.0 U	5.0 U	13	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-TRICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
1,2-DIBROMOETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROPROPANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-DICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-DICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-BUTANONE (MEK)	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
2-HEXANONE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
ACETONE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMODICHLOROMETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOFORM	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOMETHANE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
CARBON DISULFIDE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CARBON TETRACHLORIDE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROETHANE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
CHLOROFORM	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROMETHANE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U

U = Not Detected, J = Estimated

TABLE 24 (Continued)
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Third Quarter 2017 (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
CYCLOHEXANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DIBROMOCHLOROMETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DICHLORODIFLUOROMETHANE (CFC 12)	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U
DICHLOROMETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ETHYLBENZENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ISOPROPYLBENZENE (CUMENE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL ACETATE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL TERT-BUTYL ETHER	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYLCYCLOHEXANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
STYRENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TETRACHLOROETHENE (PCE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TOLUENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROETHENE (TCE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROFLUOROMETHANE (CFC 11)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
VINYL CHLORIDE	10	U	10	U	120		10	U	10	U	10	U	10	U	10	U
CIS-1,2-DICHLOROETHENE	5.0	U	5.0	U	75		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CIS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
M,P-XYLENES	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
O-XYLENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,2-DICHLOROETHENE	5.0	U	5.0	U	25		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U

U = Not Detected, J= Estimated, B=Found in Method Blank

TABLE 25

SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Fourth Quarter 2017 (Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
1,1,1-TRICHLOROETHANE (TCA)	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-TETRACHLOROETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHANE (1,1-DCA)	5.0 U	5.0 U	130	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHENE (1,1-DCE)	5.0 U	5.0 U	10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-TRICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
1,2-DIBROMOETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROPROPANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-DICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-DICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-BUTANONE (MEK)	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
2-HEXANONE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
ACETONE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMODICHLOROMETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOFORM	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOMETHANE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
CARBON DISULFIDE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CARBON TETRACHLORIDE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROETHANE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
CHLOROFORM	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROMETHANE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U

U = Not Detected, J = Estimated

TABLE 25 (Continued)
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Fourth Quarter 2017 (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
CYCLOHEXANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DIBROMOCHLOROMETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DICHLORODIFLUOROMETHANE (CFC 12)	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U
DICHLOROMETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ETHYLBENZENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ISOPROPYLBENZENE (CUMENE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL ACETATE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL TERT-BUTYL ETHER	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYLCYCLOHEXANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
STYRENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TETRACHLOROETHENE (PCE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TOLUENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROETHENE (TCE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROFLUOROMETHANE (CFC 11)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
VINYL CHLORIDE	10	U	10	U	110		10	U	10	U	10	U	10	U	10	U
CIS-1,2-DICHLOROETHENE	5.0	U	5.0	U	71		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CIS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
M,P-XYLENES	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
O-XYLENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,2-DICHLOROETHENE	5.0	U	5.0	U	19		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U

U = Not Detected, J= Estimated, B=Found in Method Blank

TABLE 26

SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

First Quarter 2018 (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
1,1,1-TRICHLOROETHANE (TCA)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1,2,2-TETRACHLOROETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1,2-TRICHLOROETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1-DICHLOROETHANE (1,1-DCA)	5.0	U	5.0	U	59		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1-DICHLOROETHENE (1,1-DCE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2,4-TRICHLOROBENZENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U
1,2-DIBROMOETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-DICHLOROBENZENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-DICHLOROETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-DICHLOROPROPANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,3-DICHLOROBENZENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,4-DICHLOROBENZENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-BUTANONE (MEK)	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U
2-HEXANONE	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U
4-METHYL-2-PENTANONE	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U
ACETONE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
BENZENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
BROMODICHLOROMETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
BROMOFORM	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
BROMOMETHANE	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U
CARBON DISULFIDE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CARBON TETRACHLORIDE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CHLOROBENZENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CHLOROETHANE	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U
CHLOROFORM	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CHLOROMETHANE	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U

U = Not Detected, J = Estimated

TABLE 26 (Continued)
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

First Quarter 2018 (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
CYCLOHEXANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DIBROMOCHLOROMETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DICHLORODIFLUOROMETHANE (CFC 12)	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U
DICHLOROMETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ETHYLBENZENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ISOPROPYLBENZENE (CUMENE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL ACETATE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL TERT-BUTYL ETHER	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYLCYCLOHEXANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
STYRENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TETRACHLOROETHENE (PCE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TOLUENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROETHENE (TCE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROFLUOROMETHANE (CFC 11)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
VINYL CHLORIDE	10	U	10	U	28		10	U	10	U	10	U	10	U	10	U
CIS-1,2-DICHLOROETHENE	5.0	U	5.0	U	22		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CIS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
M,P-XYLENES	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
O-XYLENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,2-DICHLOROETHENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U

U = Not Detected, J= Estimated, B=Found in Method Blank

TABLE 27

SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Second Quarter 2018 (Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
1,1,1-TRICHLOROETHANE (TCA)	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-TETRACHLOROETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	5.0 U	5.0 U	10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHANE (1,1-DCA)	5.0 U	5.0 U	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHENE (1,1-DCE)	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-TRICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
1,2-DIBROMOETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROPROPANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-DICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-DICHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-BUTANONE (MEK)	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
2-HEXANONE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
ACETONE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMODICHLOROMETHANE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOFORM	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOMETHANE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
CARBON DISULFIDE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CARBON TETRACHLORIDE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROBENZENE	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROETHANE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U
CHLOROFORM	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROMETHANE	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U

U = Not Detected, J = Estimated

TABLE 27 (Continued)
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Second Quarter 2018 (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
CYCLOHEXANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DIBROMOCHLOROMETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DICHLORODIFLUOROMETHANE (CFC 12)	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U
DICHLOROMETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ETHYLBENZENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ISOPROPYLBENZENE (CUMENE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL ACETATE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL TERT-BUTYL ETHER	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYLCYCLOHEXANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
STYRENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TETRACHLOROETHENE (PCE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TOLUENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROETHENE (TCE)	5.0	U	5.0	U	11		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROFLUOROMETHANE (CFC 11)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
VINYL CHLORIDE	10	U	10	U	66		10	U	10	U	10	U	10	U	10	U
CIS-1,2-DICHLOROETHENE	5.0	U	5.0	U	42		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CIS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
M,P-XYLENES	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
O-XYLENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,2-DICHLOROETHENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U

U = Not Detected, J= Estimated, B=Found in Method Blank

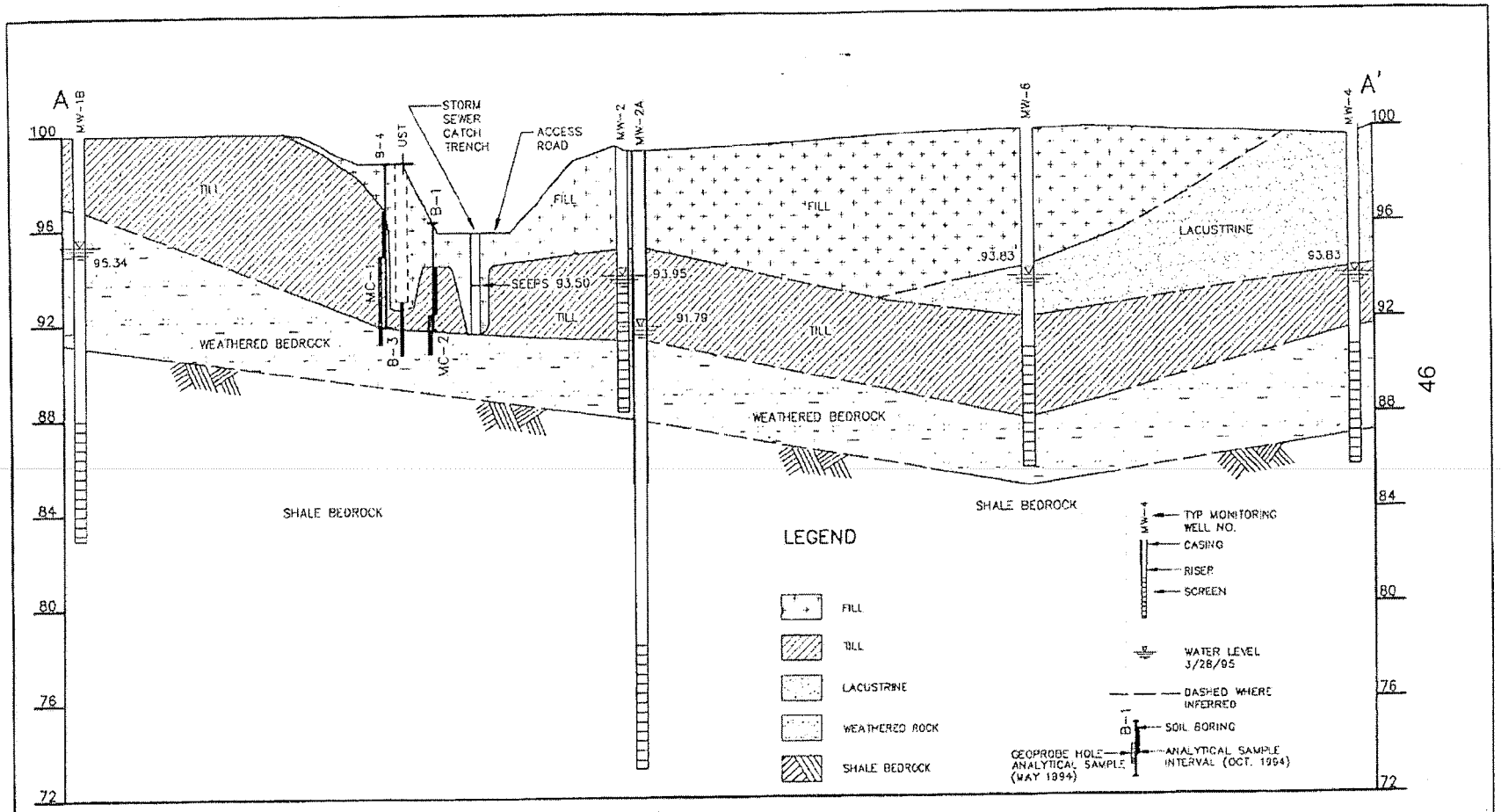
APPENDIX

Cross Section of Groundwater Wells
Borehole Logs
Typical Depressurization Vent and Exhaust Piping
Location of SSD System Suction Points and Vacuum Test Points
Site Map of Site # 615164

APPENDIX

Cross Section of Groundwater Wells
Borehole Logs
Typical Depressurization Vent and Exhaust Piping
Location of SSD System Suction Points and Vacuum Test Points
Site Map of Site # 615164

FIGURE 4



NOTE: ELEVATIONS IN FEET (REFERENCE: FINISHED FLOOR EL. 100')

SCALE: HORIZ. 1"= 20', VERT. 1" = 4'

MALCOLM PIRNIE

MCC-00-SEC

PLANT II
REMEDIAL EVALUATION
CROSS SECTION A-A'

MOOG, INC.

APRIL 1995

Figure 2– Geological Section

BOREHOLE LOG MW-1B

PROJECT: PLANT II REMEDIAL EVALUATION
PROJECT NO.: 2830-00-1
LOCATION: EAST AURORA, NEW YORK
SURVEY COORDINATES:
SURVEY DATUM: FINISHED FLOOR ELEV. OF 100 FEET

CLIENT: MOOG, INC.
DRILLING DATES: 10/26/84-10/27/84
DRILLING METHOD: 4.25-inch ID HSA
LOGGED/CHECKED BY: JMA/RHO
SURFACE ELEVATION: 99.81ft.

SYMBOLS AND DEFINITIONS

SS Split Spoon (2in.ID)
SS3 Split Spoon (3in.ID)
ST Shelby Tube (2.8in.ID)
WR Weight of Rods
NR No Recovery
- Sampler Refusal

JHS HNU reading in jar headspace
GAS Combustible Gas reading in augers

x----x Penetration Resistance ("N" Blows/1.0 ft.)
o----o Moisture Content ("N" %)

DEPTH (ft.BGS)	ELEVATION (ft AMSL)	SOIL/ROCK DESCRIPTION	SOIL DATA: GRAPHIC LOG	SOIL DATA: SAMPLE NO. / RUN NO.	SOIL DATA: BLOWS / 6"	SOIL DATA: RECOVERY (in)	SOIL DATA: "N"-VALUE	ROCK DATA: FROM/TO	ROCK DATA: DRILL RATE MIN./FT.	ROCK DATA: % REC.	ROCK DATA: % RQD.	WELL DIAGRAM	COMMENTS (USCS)
1	98.81	Dark brown moist SILT LOAM, some roots, grass at top		1 SS	2 4 5 8	1.4	9						JHS-0.4 ppm
2	97.81	Brown with orange mottling moist SANDY SILT, mostly fine sand, trace gravel, occasional root, till											JHS-0.1 ppm
3	96.81	Brown moist-extremely moist SANDY SILT, with trace clay, mostly fine size sand, little shale gravel, till		2 SS	7 7 13 20	1.2	20						
4	95.81	Black dry SHALE BEDROCK, weathered											JHS-0.8 ppm
5	94.81	Black dry-moist SHALE BEDROCK, wet along bedding planes, weathered, some silt and clay as matrix with the layered shale		3 SS	8 8 7 8	1.0	13						
6	93.81												JHS-3.2 ppm
7	92.81			4 SS	8 10 13 13	1.3	23						
8	91.81												JHS-20 ppm
9	90.81	SHALE becoming more competent		5 SS	20 30 100/1"	1.0	>130						
10	88.81	wet along bedding planes		6 SS	32/1"	0.1	>32						JHS-30 ppm
11	88.81			7 SS	100/4"	0.1	>100						
12	87.81												JHS-84 ppm
13	86.81			8 SS	100/8"	0.2	>100						
14	85.81	wet along bedding planes water level @12.5' BGS @ 8:30 am 10/27/84 w/augers @ 14' BGS		9 SS	100/3"	0.2	>100						JHS-80 ppm
15	84.81			10 SS	100/4"	0.3	>100						JHS-180 ppm
16	83.81												JHS-110 ppm
17	82.81			11 SS	100/4"	0.2	>100						
18	81.81	Advanced augers to 17.5 feet BGS. Installed monitoring well.											
19	80.81												
20	78.81												

Date Start/Finish: 06/03/84 – 06/03/84
Drilling Company: SJB Services, Inc.
Driller's Name: Jeff Leavelle
Drilling Method: Hollow-stem Auger
Bit Size: N/A in. Auger Size: 4.25 ID in.
Rig Type: CME-650, ATV
Spoon Size: 2-in.

Northing: N/A
Easting: N/A
Well Casing Elev.:
Corehole Depth:
Borehole Depth: 10 ft.
Ground Surface Elev.: ~ ft.
Geologist: Lynette B. Mokry

Well No.: MW-2
Site:
Moog Controls, Inc.
East Aurora, New York

DEPTH ELEVATION	Sample / Run Number	Sample/Int/Type	Blows/6 in.	N	Recovery (ft)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
ground elevation ft										8" dia. water-tight flush-mount protector
									GROUND SURFACE	
	(0-2')		2-3 5-8	8	L1	L0			*TOPSOIL* from 0-13" Brown medium to fine (+) SAND, little (-) Silt, moist to dry.	Concrete pad Morie No. 3 sand drain
	(2-4')		34-50/3"	N/A	0.7	2.0			*FILL* Gray coarse to fine SAND, little coarse to fine Gravel, dry.	2" dia. PVC riser, Sch. 40. Bentonite pellet seal
5	(4-6')*		30-18 12-12	28	L3	21.0			Brown coarse to medium SAND, some coarse to fine Gravel (Slag), dry. *TILL* Brown SILT, dry, very firm, slight odor.	Morie No. 0 sand
	(6-8')*		8-15 12-18	27	L0	10.0			Gray-brown medium to fine (+) SAND, little Clay & Silt, little medium to fine Gravel (Shale fragments), dry.	2" dia. PVC screen, 10-slot
	(8-10')		8-18 27-25	45	L8	100.0			*WEATHERED SHALE* Black medium to fine GRAVEL (Shale fragments), slightly weathered, fissile, odor.	
10	(10-12')		30-50/3"	N/A	0.7	100.0			*SHALE* Black medium GRAVEL (Shale fragments), competent, odor, dry. End of Boring @ 11 ft. bgs	
									Notes: *Ground-water sample collected.* ** Soil sample collected from 4-7 ft.* *Grade elevation is approximate.* *Monitoring well location north of existing UST and east of Plant Building 11A.*	
15										

BLASLAND, BOUCK & LEE
ENGINEERS & SCIENTISTS

Remarks:
Soil descriptions after Burmister, 1968.
bgs – below ground surface.
N/A – not applicable.

Water Levels		
Date / Time	Elevation	Depth

BOREHOLE LOG MW-2A

PROJECT: PLANT II REMEDIAL EVALUATION
PROJECT NO.: 2830-00-1
LOCATION: EAST AURORA, NEW YORK
SURVEY COORDINATES:
SURVEY DATUM: FINISHED FLOOR ELEV. OF 100 FEET

CLIENT: MOOG, INC.
DRILLING DATES: 10/26/84-10/28/84
DRILLING METHOD: 8.25-inch ID HSA, 3-7/8" ROLLER BIT
LOGGED/CHECKED BY: JMA/RHO
SURFACE ELEVATION: 99.10ft.

SYMBOLS AND DEFINITIONS

SS Split Spoon (2in.ID)
SS3 Split Spoon (3in.ID)
ST Shelby Tube (2.8in.ID)
WR Weight of Rods
NR No Recovery
- Sampler Refusal

JHS HNU reading in jar headspace
GAS Combustible Gas reading in augers

x——x Penetration Resistance ("N" Blows/1.0 ft.)
o---o Moisture Content ("N" %)

DEPTH (ft.BGS)	ELEVATION (ft AMSL)	SOIL/ROCK DESCRIPTION	SOIL DATA: GRAPHIC LOG	SAMPLE NO. / RUN NO.	BLOWS / 6"	RECOVERY (in)	"N"-VALUE	ROCK DATA: FROM/TO	DRILL RATE MIN./FT.	% REC.	% RQD.	WELL DIAGRAM	COMMENTS (USCS)
1	98.1	Asphalt over crushed gravel, dry		1 SS	21 10 13 10	0.7	23						JHS-0.7 ppm
2	97.1	Slag, dry											JHS-0.7 ppm
3	96.1			2 SS	38 50/3"	0.8	>50						
4	95.1	Reddish brown moist SILTY SAND, mostly fine-medium sand, trace gravel, little silt, massive, some layering 4.0-4.2', till											JHS-0.1 ppm
5	94.1			3 SS	14 15 18 11	1.0	31						
6	93.1	Gray dry weathered shale boulder, silty gravel											JHS-0.1 ppm
7	92.1	Brown extremely moist GRAVELLY SILTY SAND, little silt, some fine to coarse sand, little gravel, massive, till		4 SS	8 18 27 38	2.0	45						
8	91.1												JHS-80 ppm
9	90.1	Gray moist SHALE, some shale fragments, some silt and clay, weathered, wet along bedding planes		5 SS	8 8 24 30	2.0	32						
10	89.1												JHS-98 ppm
11	88.1	Black wet SHALE BEDROCK		6 SS	7 42 100/4"	0.8	>142						
12	87.1												JHS-48 ppm
13	86.1			7 SS	100/4"	0.1	>100						
14	85.1	Auger refusal at 14' BGS, Installed 4" PVC casing by grouting casing in place at 14'. Continued advancing borehole using NX core barrel and 3-7/8" roller cone. Black SHALE BEDROCK, thinly bedded, fine grained, broke along bedding planes so that rock pieces were .1-.2' long						14/14.7		88	88		
15	84.1												
16	83.1												
17	82.1	little water loss occurred						15/20		100	100		
18	81.1												
19	80.1	horizontal fracture											
20	79.1												

BOREHOLE LOG MW-2A

PROJECT: PLANT II REMEDIAL EVALUATION
PROJECT NO.: 2830-00-1
LOCATION: EAST AURORA, NEW YORK
SURVEY COORDINATES:
SURVEY DATUM: FINISHED FLOOR ELEV. OF 100 FEET

CLIENT: MOOG, INC.
DRILLING DATES: 10/26/94-10/26/94
DRILLING METHOD: 8.25-inch ID HSA, 3-7/8" ROLLER BIT
LOGGED/CHECKED BY: JMA/RHO
SURFACE ELEVATION: 98.10ft.

SYMBOLS AND DEFINITIONS

SS Split Spoon (2in.ID)
SS3 Split Spoon (3in.ID)
ST Shelby Tube (2.8in.ID)
WR Weight of Rods
NR No Recovery
- Sampler Refusal

JHS HNU reading in jar headspace
BAS Combustible Gas reading in augers

x----x Penetration Resistance ('N' Blows/1.0 ft.)
o----o Moisture Content ('W' %)

DEPTH (ft.BGS)	ELEVATION (ft AMSL)	SOIL/ROCK DESCRIPTION	SOIL DATA: GRAPHIC LOG	SOIL DATA: SAMPLE NO. / RUN NO.	SOIL DATA: BLOWS / 6"	SOIL DATA: RECOVERY (in)	SOIL DATA: 'N'-VALUE	ROCK DATA: FROM/TO	ROCK DATA: DRILL RATE MIN./FT.	ROCK DATA: % REC.	ROCK DATA: % RQD.	WELL DIAGRAM	COMMENTS (USCS)
21	78.1												
22	77.1	Wet CLAYEY SILT seam, .1' thick horizontal fracture											
23	76.1	horizontal fracture horizontal fracture						20/26		100	82		
24	75.1	Very thin wet CLAYEY SILT seam, .01' thick											
25	74.1	Light gray material deposited in shale on a layer as round sphere objects.											
26	73.1	Advanced NX core to 26.0 feet BGS. Reamed hole with 3-7/8" roller bit to 26.0 feet BGS. Installed monitoring well											
27	72.1												
28	71.1												
29	70.1												
30	69.1												
31	68.1												
32	67.1												
33	66.1												
34	65.1												
35	64.1												
36	63.1												
37	62.1												
38	61.1												
39	60.1												
40	59.1												

Date Start/Finish: 06/02/84 – 06/02/84
Drilling Company: SJB Services, Inc.
Driller's Name: Jeff Leavelle
Drilling Method: Hollow-stem Auger
Bit Size: N/A in. Auger Size: 4.25 ID in.
Rig Type: CME-650 ATV
Spoon Size: 2-in.

Northing: N/A
Easting: N/A
Well Casing Elev.:
Corehole Depth:
Borehole Depth: 10 ft.
Ground Surface Elev.: ft.
Geologist: Lynette B. Mokry

Well No.: MW-3
Site:

Moog Controls, Inc.
East Aurora, New York

DEPTH ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 in.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
ge elevation ft									GROUND SURFACE	Locking 4" dia. aluminum protective casing
	(0-2')		2-3 4-7	7	0.8	17.0			*TOPSOIL* from 0-8" Brown and/or dark brown medium to fine (+) SAND, little Silt, moist.	Concrete pad 2" dia. PVC riser, Sch. 40
	(2-4')		2-7 4-3	11	0.4	17.0			*FILL* Brown medium to fine (+) SAND, some (-) Clayey Silt, trace medium Gravel (Slag), moist.	Bentonite pellet seal
5	(4-6')		3-3 4-8	7	L2	20.0			*TILL* Olive-brown fine SAND, some Clayey Silt, moist to wet.	Morie No. 0 sand
	(6-8')		N/A	N/A	L3	7.0			Orange and/or tan Clayey SILT, dry to moist, firm.	
	(8-10')		8-10 12-50/3"	22	L4	8.0			*WEATHERED SHALE* Brown and/or black fine SAND, some Clayey Silt, little medium Gravel (Shale fragments), moist.	2" dia. PVC screen, 10-slot
10									*SHALE* Black medium GRAVEL (Shale fragments), saturated. End of Boring @ 9.8 ft. bgs	
15										

Notes:
Ground-water sample collected.
Grade elevation is approximate.
Monitoring well location east of Plant Building 118

BLASLAND, BOUCK & LEE
ENGINEERS & SCIENTISTS

Remarks:
Soil descriptions after Burmister, 1958.
bgs - below ground surface.
N/A - not applicable.

Water Levels		
Date / Time	Elevation	Depth

Date Start/Finish: 06/02/84 – 08/02/84
Drilling Company: SJB Services, Inc.
Driller's Name: Jeff Leavelle
Drilling Method: Hollow-stem Auger
Bit Size: N/A in. Auger Size: 4.25 10 in.
Rig Type: CME-550, ATV
Spoon Size: 2-in.

Northing: N/A
Easting: N/A
Well Casing Elev.: ft.
Corehole Depth:
Borehole Depth: 18 ft.
Ground Surface Elev.: ft.
Geologist: Lynette B. Mokry

Well No.: MW-4
Site:
Moog Controls, Inc.
East Aurora, New York

DEPTH ELEVATION ft	Sample Run Number	Sample/Tnl/Type	Blows/6 in.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
ge elevation ft									GROUND SURFACE	Locking 4" dia. aluminum protective casing
	(0-2')		1-5 8-7	13	1.1	1.0			*TOPSOIL* from 0-8" Brown and/or dark brown medium to fine (+) SAND, little Clay & Silt, moist to damp.	Concrete pad
	(2-4')		5-10 8-8	18	1.3	21.0			@ 0.5 ft., grades to medium to fine SAND, little medium to fine Gravel (Shale, limestone), little Silt, moist to dry. Brown SILT, thinnly-bedded, dry, firm.	2" dia. PVC riser, Sch. 40
5	(4-6')*		4-3 8-7	8	1.4	30.0				Bentonite pellet seal
	(8-8')		8-8 10-10	18	1.5	45.0			*TILL* Gray-brown fine SAND and Clayey SILT, trace medium to fine Gravel (sub-rounded limestone), saturated to wet.	Morie No. 0 sand
	(8-10')*		2-10 13-8	23	0.5	8.0			Brown fine SAND and Clayey SILT, damp to wet, firm. *WEATHERED SHALE* Gray-brown medium to fine GRAVEL (weathered Shale fragments), damp.	2" dia. PVC screen, 10-slot
10	(10-12')		7-12 14-28	28	1.5	4.0			Black and/or dark brown fine SAND, some medium to fine Gravel (angular Shale fragments), little Clayey Silt, damp.	
	(12-14')		33-22 18-50/3"	38	1.5	4.0			*SHALE* Black medium GRAVEL (Shale fragments), saturated. End of Boring @ 13.8 ft. bgs	
15										

BLASLAND, BOUCK & LEE
ENGINEERS & SCIENTISTS

Remarks:
Soil descriptions after Burmister, 1958.
bgs – below ground surface.
N/A – not applicable.

Water Levels		
Date / Time	Elevation	Depth

Moog Controls, Inc.
East Aurora, New York

Well No. MW-4
Total Depth = 18 ft.

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 in.	N	Recovery (ft)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
20									Notes: Ground-water sample collected. * Total organic carbon analysis from 4-8 ft. Volatile organic analysis from 8-10 ft. Grade elevation is approximate. Monitoring well location immediately north of Plant Building IIA	
25										
30										
35										

BLASLAND, BOUCK & LEE
ENGINEERS & SCIENTISTS

Remarks:

Water Levels		
Date / Time	Elevation	Depth

Date Start/Finish: 06/03/94 – 06/03/94
Drilling Company: SJB Services, Inc.
Driller's Name: Jeff Leavelle
Drilling Method: Hollow-stem Auger
Bit Size: N/A-in. Auger Size: 4.25 ID-in.
Rig Type: CME-550, ATV
Spoon Size: 2-in.

Northing: N/A
Easting: N/A
Well Casing Elev.: ft.
Corehole Depth:
Borehole Depth: 10 ft.
Ground Surface Elev.: ft.
Geologist: Lynette B. Mokry

Well No. MW-6
Site:
Moog Controls, Inc.
East Aurora, New York

DEPTH ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 in.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
gs elevation ft										8" dia. water-tight flush-mount protector
									GROUND SURFACE	
	(0-2')		3-3 7-5	10	L4	L0			*TOPSOIL* from 0 – 17". Brown medium to fine (+) SAND, little Silt, moist.	Concrete pad; Morie No. 3 sand drain; 2" dia. PVC riser, Sch. 40; Bentonite pellet seal
	(2-4')		8-10 10-8	20	L5	2.0			*TILL* Brown medium to fine (+) SAND, little Clayey Silt, trace medium to fine (+) Gravel (Angular shale and sub-rounded hematitic sandstone), dry to moist.	
5	(4-6')*		8-8 10-17	18	L4	4.0				Morie No. 0 sand
	(6-8')		19-17 19-15	36	L8	L0			Brown and/or tan medium to fine SAND, little medium to fine Gravel (Angular shale and sub-rounded hematitic sandstone), trace (+) Clayey Silt, damp to wet.	2" dia. PVC screen, 10-slot
	(8-10')		14-10 12-8	22	0.5	2.0			*SHALE* Black medium to fine GRAVEL (Shale fragments), saturated.	
10									End of Boring @ 10.5 ft. bgs	
	(10-12')		15-50/6"	N/A	0.8	4.0				
15										

Notes:
Ground-water sample collected.
** Total organic carbon analysis from 4-6 ft.*
Grade elevation is approximate.
Monitoring well location north of Plant Building 11B.

BLASLAND, BOUCK & LEE
ENGINEERS & SCIENTISTS

Remarks:
Soil descriptions after Burmister, 1958.
bgs – below ground surface.
N/A – not applicable.

Water Levels

Date / Time	Elevation	Depth

BOREHOLE LOG MW-6

PROJECT: MOOG INC. PLANT II REMEDIAL EVALUATION
PROJECT NO.: 2630-00-1200
LOCATION: EAST AURORA, NEW YORK
SURVEY COORDINATES:
SURVEY DATUM:

CLIENT: MOOG INC.
DRILLING DATES: 3/21/95
DRILLING METHOD: 6.25-inch ID HSA
LOGGED/CHECKED BY: JMA/RHO
SURFACE ELEVATION: 99.97ft.

SYMBOLS AND DEFINITIONS

SS Split Spoon (2in.ID)
SS3 Split Spoon (3in.ID)
ST Shelby Tube (2.8in.ID)
WR Weight of Rods
NR No Recovery
- Sampler Refusal

JHS HNU reading in jar headspace

x---x Penetration Resistance ('N' Blows/1.0 ft.)
o---o Moisture Content ('N' %)

DEPTH (ft.BGS)	ELEVATION (ft AMSL)	SOIL/ROCK DESCRIPTION	SOIL DATA: GRAPHIC LOG	SAMPLE NO. / RUN NO.	BLOWS / 6"	RECOVERY (in)	'N'-VALUE	ROCK DATA: FROM/TO	DRILL RATE MIN./FT.	% REC.	% RQD.	WELL DIAGRAM	COMMENTS (USCS)
1	98.97	Dark brown SANDY SILT, w/some fine sand, occasional fine gravel, roots, moist, topsoil		1 SS	1 3 7 11	1.8	10						JHS=0
2	97.97	Brown SILTY SAND, w/little gravel, some silt, mostly fine sand, moist, fill											JHS=0.5
3	96.97	Brown SILTY SAND w/some gravel, little silt, fine-coarse sand, moist, fill		2 SS	14 18 27 18	1.1	45						
4	95.97	Boulder size slag											JHS=NR
5	94.97	Brown SANDY SILT w/some gravel, little fine to coarse sand, moist, fill		3 SS	5 2 2 8	0	4						
		No recovery, drilling easy											
6	93.97	Driller reports gravel at approx. 5.5'											JHS=0.2
7	92.97	Black and dark gray CLAYEY SILT with little clay, slag top 0.1', faint laminations, wet top 0.1', moist below, no odor		4 SS	5 6 8 11	1.0	14						
8	91.97	Olive gray to brown CLAYEY SILT, little fine sand, little clay, moist, laminated, CL											JHS=0.3
9	90.97	Brown SANDY SILT w/little fine to coarse sand, little gravel, moist, massive		5 SS	7 8 8 10	1.1	14						
10	89.97	Brown SILTY SAND with mostly fine sand, trace medium and coarse, little gravel, moist-extremely moist, massive											JHS=0.3
11	88.97			6 SS	4 8 15 18	1.1	23						
12	87.97	Gray SILTY SAND w/mostly fine sand, trace medium and coarse, little gravel, moist, massive											JHS=3.4
13	86.97			7 SS	10 15 15 18	0.8	30						
14	85.97	Black GRAVEL, shale fragments, slightly weathered, some sand size fragments, top 0.2 moist to extemely moist, wet 0.2-0.8											JHS=0.8
15	84.97			8 SS	17 58 50 50/4	1.1	108						
16	83.97	Dark gray CLAYEY WEATHERED SHALE, moist, approx. 8' water in borehole											
17	82.97	Auger refusal @ 14.8'. Water @ 7' BGS @ 10:30 am. Installed well.											
18	81.97												
19	80.97												
20	79.97												

BOREHOLE LOG MW-7

PROJECT: MOOG INC. PLANT II REMEDIAL EVALUATION
PROJECT NO.: 2830-00-1200
LOCATION: EAST AURORA, NEW YORK
SURVEY COORDINATES:
SURVEY DATUM:

CLIENT: MOOG INC.
DRILLING DATES: 3/21/85
DRILLING METHOD: 8.25-inch ID HSA
LOGGED/CHECKED BY: JMA/RHO
SURFACE ELEVATION: 97.80ft.

SYMBOLS AND DEFINITIONS

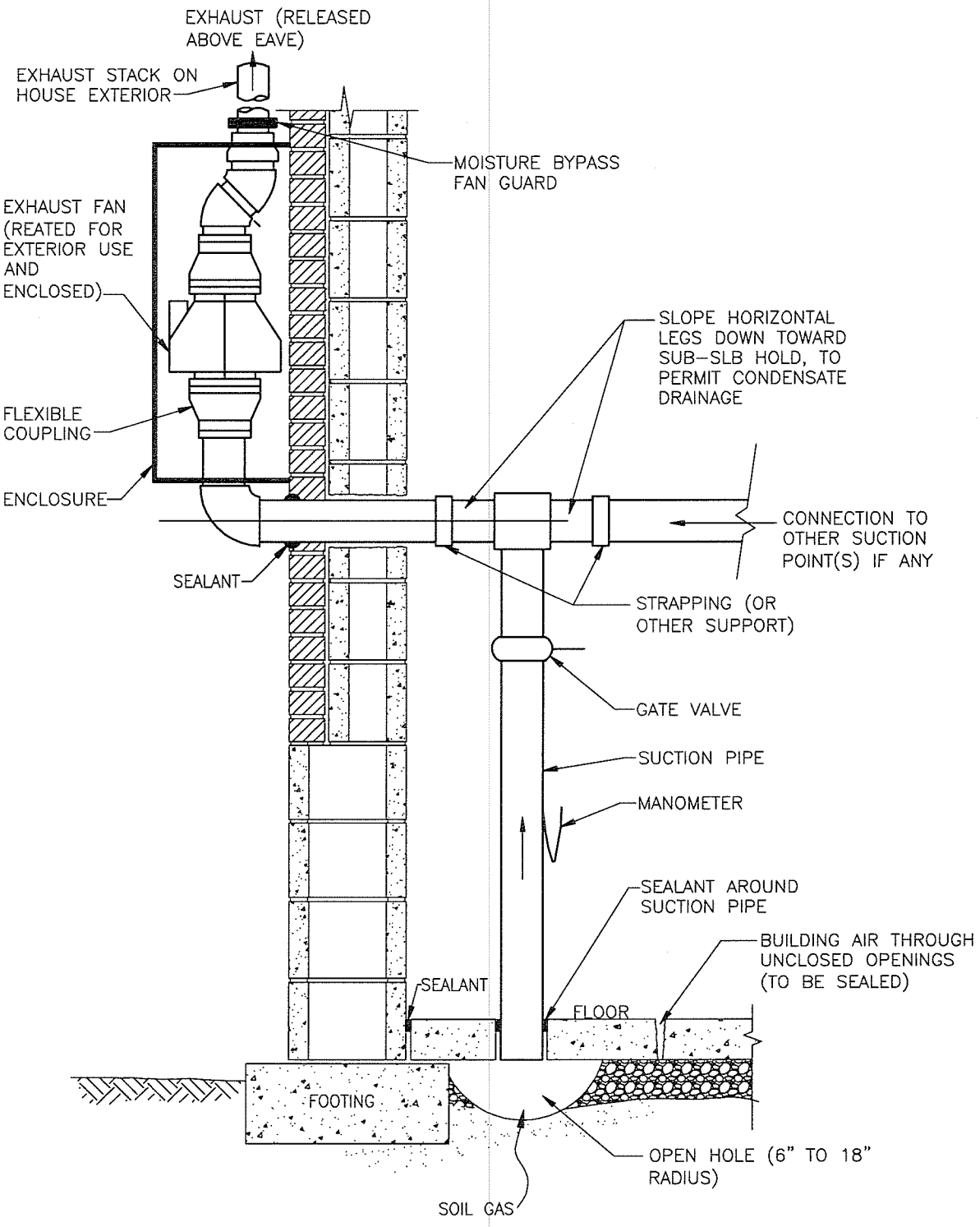
SS Split Spoon (2in.ID)
SS3 Split Spoon (3in.ID)
ST Shelby Tube (2.8in.ID)
WR Weight of Rods
NR No Recovery
- Sampler Refusal

JHS HNU reading in jar headspace

x----x Penetration Resistance ('N' Blows/1.0 ft.)
o----o Moisture Content ('N' %)

DEPTH (ft.BGS)	ELEVATION (ft AMSL)	SOIL/ROCK DESCRIPTION	SOIL DATA: GRAPHIC LOG	SOIL DATA: SAMPLE NO. / RUN NO.	SOIL DATA: BLOWS / 6"	SOIL DATA: RECOVERY (in)	SOIL DATA: 'N'-VALUE	ROCK DATA: FROM/TO	ROCK DATA: DRILL RATE MIN./FT.	ROCK DATA: % REC.	ROCK DATA: % RQD.	WELL DIAGRAM	COMMENTS (USCS)
1	96.8	Gray & brown SAND and GRAVEL, slag fill, slightly moist		1 SS	27 15 23 28	1.1	38						JHS=0.8
2	95.8												
3	94.8	Becoming wet at 3.2' BGS		2 SS	12 26 21 22	1.3	47						JHS=0.1
4	93.8	Dark gray SLAG FILL, wet											
5	92.8	Small amount of clay and silt material in bootom of shoe		3 SS	9 23 17 13	0.7	40						JHS=0.1
6	91.8	Brown SANDY SILT w/some sand, mostly fine sand, trace medium and coarse, trace gravel, moist, massive											
7	90.8			4 SS	5 11 15 14	1.1	26						JHS=0.2
8	89.8	Gray SANDY SILT, some sand, mostly fine size sand, trace medium and coarse, trace clay, tracel gravel, moist, massive											
9	88.8			5 SS	2 8 11 13	1.1	19						JHS=0.0
10	87.8	Gray CLAYEY SILT with little clay, little weathered shale gravel, moist											
11	86.8	Black wet shale fragments, bedrock, petroleum odor		6 SS	5 100/5	0.6	>100						JHS=2.4
12	85.8	Auger refusal @ 11.4'. Installed well.											
13	84.8												
14	83.8												
15	82.8												
16	81.8												
17	80.8												
18	79.8												
19	78.8												
20	77.8												

Q:\Sundquist, Jon\Figure 2\FIGURE 2.dwg 9/17/08



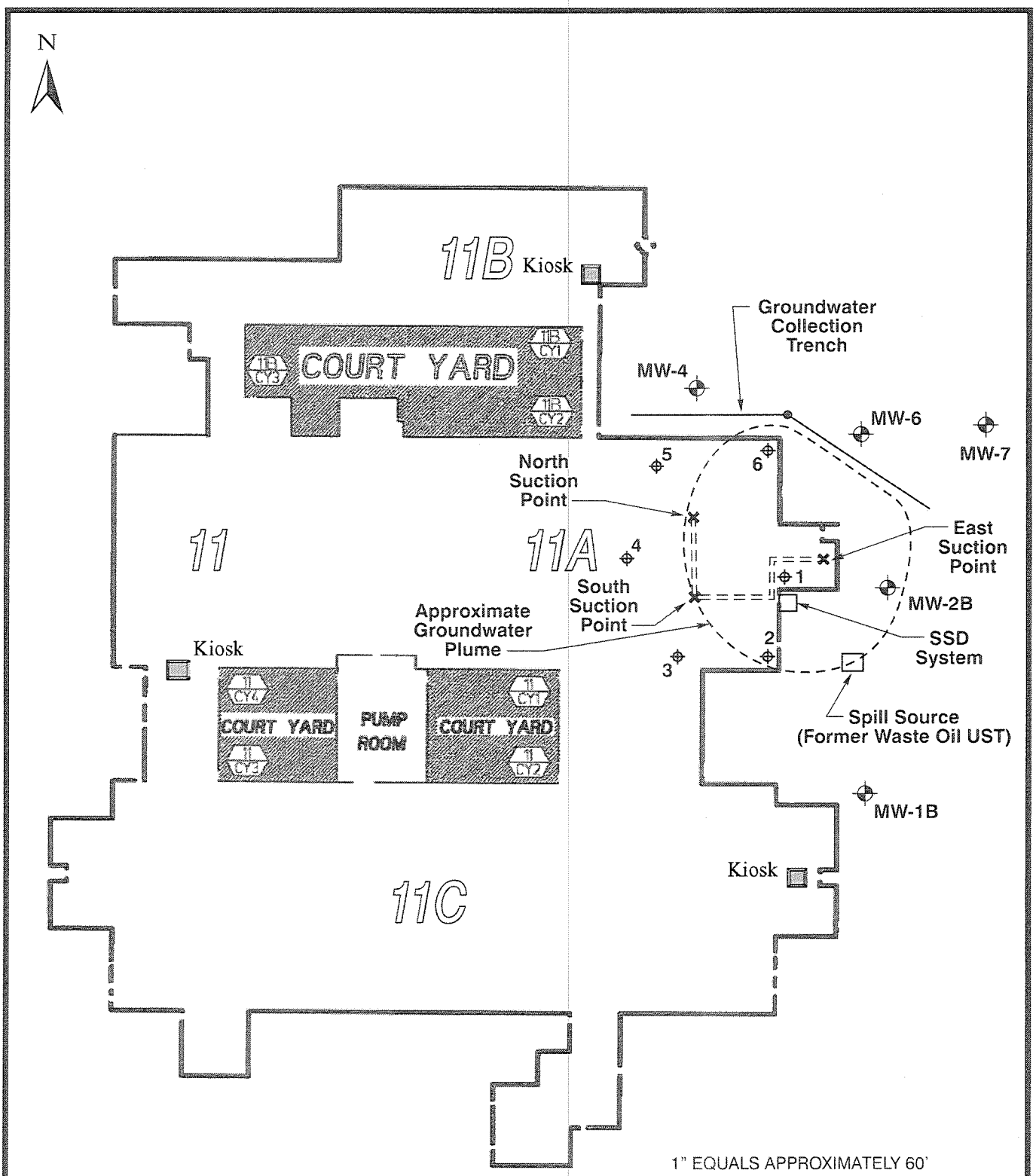
NOT TO SCALE

FIGURE 2

URS

MOOG, INC., SSD SYSTEM INSTALLATIONS
TYPICAL DEPRESSURIZATION VENT AND EXHAUST PIPING

FIGURE 1



URS

MOOG, INC.
LOCATIONS OF SSD SYSTEM
SUCTION POINTS AND VACUUM TEST POINTS

FIGURE 2

AG2G125A-11175481-071709-GCM