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SUMMARY OF HYDROGEOLOGIC SITE CONDITIONS 300 JAMISON ROAD EAST AURORA, NEW YORK

July 1994

BLASLAND, BOUCK & LEE, INC.

ENGINEERS & SCIENTISTS



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6723 Towpath Road Syracuse, New York 13214 (315) 446-9120

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Section 1 - Introduction

This report summarizes the hydrogeologic conditions observed and field activities completed in June 1994 at 300 Jamison Road in East Aurora, New York. This property is owned by Moog Inc., and approximately 100,000 square feet of the 125,000 square feet facility on the property is leased and occupied by Moog Controls Inc. (Moog Controls). The remaining approximately 25,000 square feet of the building is occupied by Moog Inc. The field activities discussed in this report were completed at the site by Blasland, Bouck & Lee (BB&L) and were undertaken as part of an Environmental Site Assessment (ESA) of the property completed at the request of an independent third party.



Section 2 - Site Overview

The approximately 15-acre property is located at 300 Jamison Road in a lightly industrialized area in East Aurora, Eric County, New York. Operations at the facility on the property include manufacturing, assembling, testing, and development of servovalves and servoactuators, which are used in various industrial applications to throttle hydraulic fluids and control motion. As shown on Figure 1, Jamison Road runs generally east-west, with the site property located south of the road and approximately 1,300 feet west of the intersection of Jamison Road and State Route 400. The building was constructed in four phases starting in approximately 1966 and ending in 1981. The first part of the building was designated as Building 11, with subsequent phases designate sequentially as 11A, 11B, and 11C (Figure 2). The facility is bounded on the east and west by an asphalt-paved parking lot, and a wooded area is located adjacent to the southern side of the building. An approximately 300-foot wide-strip of landscaped lawn, with a cooling pond, of approximately one-half acre in size, is located between the building and Jamison Road (Figure 2) on the north side of the building.

The facility is subdivided into office space and work areas, which include various machining departments, assembly and test areas, research and development, equipment/boiler room, chemical storage room, and shipping and receiving areas. Figure 3 shows the floor plan for the building complex including the Moog Controls and Moog Inc. operations.

Properties immediately to the east and west of the Moog Controls facility are zoned industrial and are Moog Inc. office and manufacturing facilities. The north side of Jamison Road is zoned residential, and residential properties were observed opposite the facility on the north side of Jamison Road.



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Section 3 - Site Background/Operating History

Aerial photographs dating from 1938 to 1985 were reviewed and indicated the following:

- 1938: The site location and neighboring areas to the east and west are vegetated, but had been cleared in the past, presumably for agriculture. Two farms are present north of Jamison Road from the site. The area south of the site location is wooded. An intermittent stream channel is visible near what is now the western border of the site (ASCS, 1938).
- 1942: A grass landing strip is present to the south and southwest of the present site location, approximately 600 feet south of Jamison Road. A building, presumably related to the air strip, is present on Seneca Street at the west end of the air strip, southwest of the site (ASCS, 1942).
- 1951: Some 300 feet southwest of the site an area of approximately 600 feet from north to south, and 100 feet from east to west appears to be graded and possibly undergoing construction of some kind. What appears to be a hangar building is present west of the site and to the north of the west end of the air strip. The area directly south of the site is still wooded (ASCS, 1951).
- 1958: A Moog Inc. facility, occupying roughly six acres, is present on the corner of Jamison Road and Seneca Street. A water tower is visible in the photograph on what is currently Moog Inc. property. There are possibly two buildings in the area that appeared to be graded in the 1951 aerial photograph (ASCS, 1958).
- 1966: An initial portion of the Moog Controls facility appears to be under construction. A Moog Inc. building, approximately 400 feet west of the Moog Controls site, is present. The Moog Inc. wastewater treatment facility is present approximately 800 feet south of the adjacent Moog Inc. building. There is an increased number of residences on the north side of Jamison Road. State Route 400 is present for the first time and may be under construction (ASCS, 1966).
- 1978: The Moog Controls facility appears to include Plant 11, 11A, and 11B. The cooling pond may be present (ASCS, 1978).
- 1985: The Moog Controls facility appears generally as it does today, including Plant 11C and the cooling pond. The Moog Inc. wastewater treatment plant appears to have expanded to the west to include additional impoundment structures. An additional Moog Inc. building is present approximately 2200 feet to the east of the Moog Controls facility (ASCS, 1985).

According to Mr. Joseph Belczak, the Financial Manager of the Moog Controls facility, the building and property are owned by Moog Inc., the former parent company of Moog Controls. Moog Controls leases its floor space and utilities from Moog Inc. which still occupies approximately 25,000 square feet of the facility for research and development (Figure 3). The facility is referred to as the Plant 11 Complex. Plant 11 was constructed in March 1966, followed by the addition of Plant 11A in January 1976, Plant 11B in July 1978, and Plant 11C in March 1981. Figure 2 illustrates the relative locations of the plant buildings. From its construction in 1966 and until the construction of Plant 11A in 1976, Plant 11 was used as office space



only. From the mid-to-late 1970s through the present time, the facility has been used for manufacturing.

Moog Controls was incorporated in February 1988. Prior to February 1988, Moog Inc. manufactured servovalves in the current Moog Controls facility. Since that time, Moog Controls has manufactured servovalves and servoactuators. The general layout of the manufacturing process has not substantially changed at the facility since its initial development.



Section 4 - Environmental Setting

There is approximately 10 feet of elevation change (USGS, 1965) across the site property, with most of the site at an elevation of approximately 925 feet National Geodetic Vertical Datum (NGVD). A cooling pond is located north of the facility and south of Jamison Road. An intermittent stream, shown on Figure 1 and observed near the western boundary of the facility, flows to the north. The major streams in the area include, the East Branch of Cazenovia Creek and Buffalo Creek which flow north and west, respectively. Buffalo Creek empties into Lake Erie approximately 13 miles northwest of the site, south of Buffalo, New York and Cazenovia Creek enters Buffalo Creek approximately 10 miles northwest of the site.

Based on measurements in on-site monitoring wells installed during this assessment, ground-water flow is generally to the north-northwest across the site. The ground-surface topography, location of nearby surfacewater bodies, and regional drainage systems, suggest that the basin-wide ground-water flow direction is to the northwest toward Cazenovia Creek and, to a lesser extent, north toward Buffalo Creek. The regional ground-water flow is likely to the northwest, toward Lake Erie.

The site is located within the Lake Erie Lowland physiographic region, with topography that is dominated by glacial lacustrine and moraine complexes. The surficial deposits near the site are till and lacustrine beach deposits (Cadwell, 1988). Field observations suggest that till deposits dominate the surficial deposits at the site. Lacustrine sand and gravel deposits were not observed during drilling activities. Soil boring logs from investigations completed during this assessment are presented as Appendix A.

Soils at the site consist of Darien silt loam, with 0 to 3 percent slopes. The Darien silt loam is deep and poorly drained. It developed in shaley till deposits and generally stretches across central Erie County in an east-west band. The soil is described in the Erie County Soil Survey (USDA, 1986) as:

"...this soil has a surface layer of dark grayish brown silt loam 10 inches thick. The subsurface layer is mottled, grayish brown silt loam 3 inches thick. The subsoil is 21 inches thick. It is mottled, olive brown silty clay loam in the upper part and mottled, dark grayish brown silty clay loam in the lower part. The substratum to a depth of 60 inches or more is firm, dark grayish brown shaley silty clay loam."

This soil description is generally consistent with the observations made during soil sampling at the site. Detailed subsurface logs are provided in Appendix A.

The bedrock underlying the till deposits encountered at the site consists of Angola and Rhinestreet Shales of the Upper Devonian West Falls Groups (Rickard and Fisher, 1970). Weathered shale was encountered at approximately four to eight feet below grade during drilling activities at the site.



Section 5 - Field Sampling

Following a site visit completed in conjunction with the ESA, BB&L recommended to its client that a limited subsurface investigation be completed at the site. The recommendation was made on the following basis:

- The site currently has a 1,000 gallon underground storage tank (UST) for the storage of waste coolant. This UST was installed in 1990 and replaced an earlier 1,000 gallon UST installed in the early 1980s.
- An underground storage tank or tanks were present in the past elsewhere on the site.
- Degreasers as well as water-soluble coolants have been and are currently in use at the site.

Based on this recommendation, BB&L's client authorized the implementation of a Limited Field Sampling Program to generally characterize site conditions, with a concentration of activities in the current and former tank areas. The Limited Field Sampling Program involved the collection of subsurface soils, ground water, surface water, and sediments.

After review of the data generated during the Limited Field Sampling Program, additional sampling was recommended by BB&L in the vicinity of the current UST. This Additional Field Sampling Program involved the installation of six borings, four of which were completed as monitoring wells, and the collection of soil and ground-water samples. The work undertaken during completion of each phase of the Field Sampling Program is discussed separately below, while the analytical results are discussed together in Section 7.

5.1 Limited Field Sampling Program

During the Limited Field Sampling Program, the subsurface soil samples were collected at seven boring locations using Geoprobe sampling equipment. Originally, eight Geoprobe boring locations were planned, but due to soft ground at the MC-6 location, that location was not readily accessible, and the boring was not drilled. Ground-water samples were collected at five of the seven boring locations using a peristaltic pump. Surface-water and sediment samples were collected from two locations: the first where the storm water discharge enters the cooling pond, and the second from the intermittent stream that receives runoff from the site. Figure 2 shows the approximate sampling locations.

All field sampling equipment was decontaminated between sampling locations with an alconox and tap water rinse, a methanol rinse, and finally a distilled water rinse. New polyethylene tubing was used for each ground-water sample that was collected.

Subsurface soils were continuously sampled until bedrock was encountered or Geoprobe refusal, whichever came first, using a 2-inch (O.D.) diameter, 4-foot long Geoprobe sampler. The sampler was lined with a new acetate sleeve for each 4-foot interval. The soils were described by a BB&L geologist, according to the Burmister soil classification system of 1958. Soil samples were collected for chemical analysis based on



visual observations. Separate-soil samples were collected for headspace screening using a Century Organic Vapor Analyzer (OVA) Model 128 flame ionization detector (FID). The headspace results are presented on the soil boring logs in Appendix A. Due to field difficulties with the FID, it was not possible to perform the headspace analysis or field screening before analytical sample submission.

Ground-water samples were collected from the bottom of each Geoprobe soil boring that had sufficient water present. A mill-slotted screen (one-inch O.D.) was attached to the drive rods, which were re-driven to the full depth of the boring. High density polyethylene tubing was lowered into the rods, and the ground water was pumped out using a peristaltic pump.

Upon completion, the borehole was filled to grade using the remaining soils from the samples collected from that hole and bentonite chips.

The samples were submitted to General Testing of Rochester for analysis of volatile organic compounds (VOCs) using EPA Method 8010/8020 plus HCFC-141B and Freon-113, total petroleum hydrocarbons (TPH) by gas chromatography (GC), and polychlorinated biphenyls (PCBs) by EPA Method 8080. Freon 113 and HCFC-141B are not typically included with the suite of compounds analyzed under EPA Method 8010/8020. The analytical laboratory, however, had a standard for Freon 113, and BB&L provided a sample of the Genesolv 2000, HCFC-141B, to the laboratory. The laboratory was, therefore, able to calibrate their equipment to these compounds. Five ground-water samples were submitted for analysis of VOCs, and one of those samples (MC-7) was also submitted for TPH. Seven subsurface soil samples were analyzed for VOCs and TPH. Six of those samples were also analyzed for PCBs. The two sediment and surface-water samples were analyzed for VOCs, TPH, and PCBs. Complete analytical results are presented in Appendix B.

5.2 Additional Field Sampling Program

As previously discussed, an Additional Field Sampling Program was implemented following receipt and review of the data generated during the Limited Field Sampling Program. The Additional Field Work was focused primarily in the area around the existing waste coolant UST for two main reasons:

- The concentrations of VOCs observed in ground water in the area of the existing tank east of the site were several orders of magnitude higher than the concentrations observed in the area of the former USTs southwest of the facility.
- Moog Controls reportedly did not use the former USTs located to the southwest.

The Additional Field Sampling Program included the installation of monitoring wells and soil sampling, using the more traditional hollow-stem auger (HSA) sampling methods rather than Geoprobe sampling. The HSA methods were selected to allow for the installation of monitoring wells. The wells provide a ground-water sampling point and allow for a more accurate determination of ground-water levels at each of the monitoring points, which can then be used to determine ground-water gradients at the site.



Installation of the wells was accomplished with a CME-550 drill rig using a 4¼-inch ID HSA. Soil samples were obtained continuously from the ground surface to total depth with a standard 2-inch OD, 2-foot long split-spoon sampler. All down-hole tools were cleaned using a high pressure, hot water "steam cleaner" prior to use at each drilling locations and prior to departure from the site. The split-spoon sampler was cleaned, prior to obtaining each sample, with an alconox and tap water rinse, a methanol rinse, and a final distilled water rinse. Four 2-inch diameter PVC monitoring wells were installed at four of the six boring locations. The locations of the borings and monitoring wells are shown on Figure 2.

To facilitate horizontal extent characterization of VOCs observed in ground water at the site, monitoring wells MW-3 and MW-4 were installed first. Following their installation, the wells were purged and sampled, with the samples submitted for rapid turn-around analysis for VOCs by EPA Methods 8010/8020 plus Freon 113 and HCFC-141B. The results of this sampling would be used to determine the locations of additional wells to be installed downgradient of the tank area. If the concentrations of VOCs in water from these wells remained at or above level of concern, then an additional well or wells would be installed further downgradient. If, however, the concentrations, of VOCs were below the level of concern, additional investigations would be focused in the area between MW-3/MW-4 and the UST area.

While awaiting receipt of the analytical results for MW-3 and MW-4, the boring for MW-1 was completed. A monitoring well, however, was not installed at the MW-1 location, as water was apparently not encountered within the total depth of the boring. The augers were advanced to 10 feet below grade, or approximately 5 feet below the top of bedrock, at that location. The hole was left overnight with the augers in the hole, and by the next morning, no water had entered. Based on these observations, the bore hole was backfilled, and no well was installed. In an attempt to establish an upgradient monitoring point, boring MW-1A was installed approximately 100 feet north of MW-1, and again no water entered the augers during advancement of the boring. Based on this information and the apparent lack of water at the MW-1A location, this boring was also backfilled.

At the completion of boring MW-1A, a decision had not yet been made concerning the location of the additional well or well(s) downgradient of the UST area; therefore, MW-2 was installed as originally planned approximately 30 feet downgradient of the existing UST. During the installation of this monitoring well, the analytical results for MW-3 and MW-4 were received and reviewed. Based on the analytical results from these wells, which are discussed further in Section 7, below, an additional monitoring well was installed further downgradient of MW-4, since VOCs were observed in ground water from MW-4 at concentrations above New York State drinking water standards. VOCs were not detected in water from MW-3.

The logs for each of the borings and monitoring wells are included in Appendix A. During completion of the borings, soil samples were obtained for headspace screening with an FID, as was done during the Geoprobe sampling. The results of this screening and the visual appearance of the samples were used to select soil samples for chemical analysis. Results of the FID screening and the sample intervals selected for chemical analysis are shown on the subsurface logs in Appendix A. The following samples were submitted for analysis:

• MW-2, 4.0-7.0 ft for VOCs, semivolatile organic compounds (SVOCs) analysis, and TPH.

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• MW-4, 4.0-7.0 ft for VOCs.

As with monitoring wells MW-3 and MW-4, ground water from monitoring wells MW-2 and MW-5 were purged and sampled for analysis of VOCs. Ground water from MW-2 was also analyzed for (SVOCs) by EPA Method 8270.

As part of the ground-water sampling program, depth to water in each of the monitoring wells was determined. Relative elevation of the ground water was then determined by referencing the depth to water measurements to relative ground-surface elevations which were determined at each well location using an automatic level. For this assessment, an arbitrary site datum of 100 feet was established. Ground-water elevation contours for the site, based on these measurements, are shown on Figure 4.

Following sampling of the monitoring wells, in-situ hydraulic conductivity testing was completed on monitoring wells MW-3 and MW-4. The results of these tests are provided in Appendix C.



Section 6 - Site Geology and Hydrogeology

Results of the Geoprobe investigation and boring and monitoring well installation program and subsequent data analysis indicate the following:

- The site is generally underlain by 4 to 8 feet of a relatively dense till that may have locally been reworked in the shallow subsurface during construction activities at the site.
- The till is underlain by a black to gray shale. The upper several feet of the shale appears to be weathered and less competent, providing a flow zone for ground water. The rock appears to become more competent with depth; however, our sampling program did not specifically evaluate the condition of the rock below the upper few feet.
- Ground-water levels are approximately 4 to 6 feet below grade, depending on location. Ground water was not encountered at the MW-1 location; however, ground water was encountered within 6 feet below grade at the MC-5 sampling location, approximately 5 to 10 feet away from boring MW-1. The lack of water at the MW-1 location may be the result of disturbance of the borehole wall caused during drilling of the borehole. Installation of a shallow well may be possible at this location given sufficient time for well development.
- The hydraulic conductivity of the interval screened at MW-3 and MW-4 is estimated to be 1.8×10^{-3} centimeters per second (cm/sec) and 4.4×10^{-3} cm/sec, respectively. Based on these data and the observed ground-water gradients at the site, ground-water flow velocities are estimated to be in the vicinity of 7 to 90 feet per year.
- Based on the ground-water elevations determined at the time of ground-water sampling, the ground-water flow direction at the site is generally to the north-northwest.
- Oily soils were observed at Geoprobe locations MC-1 and MC-2.
- Elevated FID readings from soil sample headspace screening were observed at MC-2, MW-2, MW-3, and MW-4. The highest soil headspace readings of 100 parts per million (ppm) were observed on weathered rock samples from MW-2 from 8 to 12 feet below grade. FID readings above 8 feet in soil samples from this boring decreased toward the ground surface.



Section 7 - Analytical Results and Discussion

The analytical results for the soil and ground-water analysis for both portions of the Field Sampling Program are included in Appendix B and are summarized in Tables 1 to 5. Table 6 provides an overall summary of all the analytical results, showing only the compounds that were detected. An overall general summary of the analytical results by location is provided in Figure 5.

Given these results and the geologic and hydrogeologic conditions found at the site as discussed above, a number of observations can be made as follows:

- VOCs, which are common degreasers or their breakdown products, are present in the subsurface at the site.
- The VOCs are present in ground water at concentrations ranging from single digit part per billion levels at the monitoring points north of the facility to approximately 16 parts per million total VOCs in the vicinity of the existing waste coolant UST. The existing UST was installed in 1990 and replaced another tank that had been installed in the early 1980s.
- A ground-water sample obtained from a Geoprobe borehole in an area generally upgradient of the
 existing tank contained no VOCs at or above the detection limit. This suggests that the VOCs
 observed in the vicinity of the tank have not originated from an upgradient, off-site source.
- The source area for the VOCs east and northeast of the facility, is assumed to be located within the vicinity of the existing waste coolant tank. The time of the release associated with the presence of VOCs in ground water and soil in this area is difficult to determine, however, several factors are known:
 - During removal of the older tank in 1990, soil staining was observed in the tank excavation.
 - dichlorofluoroethane, was not detected in any of the ground-water or soil samples analyzed at this site. HCFC-141B has been in use at the site only by Moog Controls.
- VOCs were also detected in the ground water from the area near the former Moog Inc. USTs at
 the southwestern corner of the facility. The concentration of VOCs at this location, however, were
 several orders of magnitude lower than the concentration of VOCs observed near the existing UST.
- Ground-water flow direction is generally to the north-northwest.
- The VOCs observed in ground water near the southwestern portion of the site are not thought to be related to the VOCs observed in the vicinity of the existing tanks to the east of the building for the following reasons:
 - Ground-water flow is generally to the north-northwest at this site; and



- The former tanks, fill lines, or access ports for these tanks are a possible source of the observed VOCs observed in this area.
- Ground-water samples from the northern, downgradient, area of the site either contain no detectable levels of solvents-based VOCs (MC-7 and MW-5) or only very low concentrations as in MC-8 with 1.1 ppb of 1-1, dichloroethane (DCA). Given these results, which are below NYSDEC Drinking Water Standards (Table 6), the impact to off-site areas from the shallow ground-water flow zone appears to be minimal, if any.
- Of the two surface-water and two sediment samples collected, there was only one detection: bromoform was detected at 4.3 micrograms per liter (ug/L) at SW-1. This low-level detection may represent laboratory cross-contamination.
- PCBs were not detected in any of the samples analyzed for these compounds and only low concentrations of two SVOCs were detected in one of the three samples analyzed. One of the two SVOCs, detected in ground water from MW-2, bis(2-Ethylhexyl) Phthalate can be attributed to possible laboratory contamination. The other compound 4-Chloro-3-methlyphenol may have been present in waste oil.
- A number of samples were analyzed for total petroleum hydrocarbons, however, TPH was detected only in the soil sample from MC-1 (4.0-7.0 feet) at a concentration of 71 parts per million, and in ground water from monitoring well MW-2 at a concentration of 790 parts per billion. The lack of reportable petroleum hydrocarbons in samples that appeared visibly oily, as was the case for the sample from MC-2, may only indicate that the analysis used was not sensitive to the particular type of oil present in the sample.



Section 8 - References

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- Rickard, L.V., and Fisher, D.W., editors, 1970, Geologic Map of New York, Niagara Sheet; New York State Museum and Science Service, Map and Chart Series No. 15.
- USDA, 1986, Soil Survey of Erie County, New York, National Cooperative Soil Survey, United States Department of Agriculture, Soil Conservation Service.
- USGS, 1965, U.S. Geological Survey 7.5 Minute Orchard Park Quadrangle Map (topographic), to a scale of 1:24,000.





- 1 Ground-Water Analytical Results, May 1994
- 2 Soil Analytical Results, May 1994
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TABLE 1

MOOG CONTROLS INC./MOOG INC. EAST AURORA, N.Y. GROUND-WATER ANALYTICAL RESULTS 5/25/94

SAMPLE ID#	MC-2	MC-3	MC-5	MC-7	MC-8
CONCENTRATION	(ug/L)	(ug/L)	(u g/L)	(u g/L)	(ug/L)
VOCs					
Chlorome th an e	250 U	5.0 U	5. 0 U	5. 0 U	5. 0 U
Vinyl Chloride	190 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	250 U	5.0 U	5. 0 U	5. 0 U	5.0 U
Chloroeth a ne	10 0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichlorofiuoromethane	110	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	50 U	1.0 U	1.0 U	1.0 U	1.0 ປ
Methylene Chloride	50 น	1.0 U	1.0 U	1.0 U	1.0 ປ
1,2-Dichloroethene (Total)	1600	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	1300.	28.0	1.0 U	1. 0 U	1.1
Chlorofor m	50 U	1.0 U	1.0 U	1.0 U	1.0 ປ
1,1,1-Tri ch loroethane	2600.	73.0 :	1,0 U	1.0 U	1.0 U
Carbon Tetrachloride	50 U	1.0 U	1.0 U	1.0 U	1.0 ປ
1.2-Dich io roethane	50 U	1.0 U	1.0 U	1.0 U	1.0 ປ
Trichloroethene	3500	1.0 U	1.0 U	1.0 U	1.0 ປ
1,2-Dichloropropane	50 U	1.0 U	1.0 U	1.0 U	1.0 ປ
Bromodichloromethane	50 U	1.0 U	1.0 U	1.0 U	1.0 ປ
2-Chloroethy!vinyl Ether	100 UJ		2.0 UJ	2.0 UJ	2.0 UJ
1,3-Dichloropropene (Cis)	50 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (Trans)	100 U	2.0 U	2.0 U	2. 0 U	2. 0 U
1,1,2-Tri ch lor oe thane	100 ป	2.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	3400 ✓	1.0 U	1.0 U	1.0 U	1.0 ປ
Dibromochioromethane	100 บ	2.0 U	2.0 U	2.0 U	2.0 U
Chlorobe nz en e	100 U	2.0 U	2.0 U	2.0 U	2. 0 U
Bromofor m	100 U	2.0 U	2.0 U	2. 0 U	2. 0 U
1,1,2,2-Tetrachloroethane	100 U	2.0 U	2.0 U	2. 0 U	2. 0 U
1,3-Dichlorobenzene	100 U	2.0 ∪	2.0 U	2. 0 U	2.0 U
1,4-Dich io rob en zene	100 U	2.0 U	2. 0 U	2. 0 U	2.0 U
1,2-Dich io rob e nzene	100 U	2.0 U	2.0 U	2. 0 U	2.0 U
Benzene	100 U	2.0 U	2.0 U	2. 0 U	2.0 U
Toluene	100 U	2.0 U	2.0 U	2. 0 U	2.0 U
Ethylbenz e ne	100 U	2.0 ∪	2.0 U	2.0 U	2.0 U
Total Xylene (o,m,p)	100 U	2.0 U	2.0 U	2.0 U	2.0 U
Dichlorofluoroethane	100 U	2.0 U	2.0 U	2. 0 U	2.0 U
Freon 11 3	3500	2.0	2.0 U	2.0 U	2.0 U
Total Volatiles	16010	103.0	0.0	0.0	1.1
<u>TPH</u>					
FÜEL OIL #2	NA	NA	NA	20. 0 U	N A

Notes:

Analytical results were not validated

U - not detected above method detection limit (MDL)

J - estimated

NA - not analyzed

TABLE 2

MOOG CONTROLS INC./MOOG INC. EAST AURORA, N.Y. SOIL ANALYTICAL RESULTS 5/25/94

SAMPLE ID#	MC-1	WC-5	MC-3	MC-4	MC-5	MC-7	MC-B	TRIP BLANK	FIELD BLAN
CONCENTRATION	(ug/kg)	(ug/kg)	{ug/kg)	(ug/kg):	(uo/ko)	(ug/kg)	(ug/kg)	(ug/L)	(ug/L)
DEPTH (FT)	40-70	4.0-5.5	4.0-5.5	4-6.5	40-80	3.0-40	5,0-70		.
VOCs									
Chloromethan e	30U	5.8U	6.0U	6.1U	5.8U	5.9U	6.0U	5.0U	5.0 ن
Bromomethane	30U	5.8U	6.0U	8.1U	5.6U	5.9U	6.0U	5.0U	5.0 U
Vinyi Chloride	12U	2.30	2.4U	2.4U	2.2U	2.4U	2.4U	2.00	2.04
Chloroethane	12U	2.30	2.4U	2.4U	2.2U	2.4U	2.4U	2.0U	2.00
Methylene Chloride	8.0U	1.20	1.2U	1.3 <	1.1U	1.2U	1.2U	1.0U	1.00
Trichlarofiuar om etha ne	6.0U	1.2U	1.21	1.2U	1.1U	1.2U	1.2U	1.0U	1.0 U
1,1 - Dichiaroe th ene	6.QU	1.2U	1.2U	1.2U	1.1U	1.2U	1.2U	1.0U	1.0 U
1,1-Dichloroethane	6.0U	9.1 ′	1.2U	1.2U	1.1U	1.2U	1.2U	1.0U	1.0 U
1,2-Dichloroethene (Total)	70	49 /	1.20	1.2U	1.1U	1.2U	1.2U	1.0U	1.0 U
Chloroform	6.0U	1.20	1.2U	1.2U	1.1U	1.2U	1.2U	1.0U	1.00
1,2-Dichloroethane	6.0U	1.21	1.2 U	1.2U	1.1U	1.2U	1.2U	1.0U	1.0 U
1,1,1 - Trichiorosthans	6.00	4.5	1.2U	5.4	1.1U	1.2U	1.2U	1.00	1.0U
Carbon Tetrachloride	6.0U	1,2U	1.2U	1.2U	1.1U	1.2U	1.2U	1.00	1.00
Bromodichior om ethane	6.0U	1.2U	1.20	1.2U	1.1U	1.2U	1.20	1.00	1.00
1,2-Dichioropropane	6.0U	1.2U	1.20	1.2U	1,1U	1.2U	1.20	1.0U	1.0U
1,3-Dichloropropene (Cis)	6.0U	1.20	1.20	1.2U	1.10	1.2U	1.2U	1.0U	1.00
Trichloroethene	12	27.	1.2U	1.2U	1.10	1.2U	1.2U	1.0U	1.0 U
1,3-Dichloropropene (Trans)	12U	2.312	2.4U	2.4U	2.2U	2.4U	2.4U	2.0U	2.00
Dibromochloromethane	12U	2.30	2.40	2.4U	2.2U	2.4U	2.4U	2.0U	2.00
1.1.2-Trichlomethane	12U	2.30	2.4U	2.4U	2.20	2.4U	2.4U	2.0U	2.04
2 - Chloroethylvinyl Ether	12UJ	2.30J	2.403	2.4UJ	2.2UJ	2.4UJ	2.4UJ	2.0UJ	2.012.1
Bromoform	120	2.30	2.4U	2.4U	2.2U	2.4UJ	2.4UJ	2.0U	2.003
1,1,2,2-Tetrachloroethane	12U	2.30	2.40	2.4U	2.2U	2.4U	2.40	2.00	2.00
Tetrachloroethene	120	817	1.2U	1.2U	1.1U	1.2U	1.2U	1.00	1.00
Chlorobenzen e	120	2.30	2.4U	2.4U	2.20	2.4U	2.4U		
1,3-Dichlorobenzene (m)	12U	2.3U 2.3U	2.4U	2.4U	2.2U 2.2U	2.4U	2.4U 2.4U	2.00	2.04
1,2-Dichlorobenzene (a)	120	2.30	2.40	2.4U	2.20			2.00	2.00
1,4 - Dichlorobenzene (p)	120	2.30	2.4U	2.4U	2.2U 2.2U	2.4U 2.4U	2.4U 2.4U	2.OU	2.00
Benzene	120	2.3U	2.4U	2.4U	2.2U 2.2U	2.4U 2.4U	2.4U 2.4U	2.OU 2.OU	2.0 U 2.0 U
Toluene	120	2.3U	2.4U	2.4U	2.2U	2.4U	2.4U	2.OU	
Ethylbenzene	12U	2.30	2.4U	2.40	2.2U	2.4U	2.4U	2.0U	2.00
Total Xylene (o.m.p)	120	2.30	2.4U	2.4U	2.2U 2.2U	2.4U			2.OU
Dichlorofluorosthane	120	2.30	2.4U	2.4U	2.2U 2.2U	2.4U	2.4U	2.QU	2.01
Freon 113	12U	2.30	2.4U	2.4U	2.2U 2.2U	2.4U	2.4U 2.4U	2.OU	2.00
Total Volatiles	82	180.6	0.00	8.70	0.00	2.4U 0.00	0.00	2.OU 0.00	2.0년 0.0대
	0.2	100.0	0.00	0.70	0.00	0.00	0.00	0.00	0.00
TPH								NA	
FUEL OIL #2	71000							1177	
as n-dodeca ne		2300U	2400U	2400U	2200U	2 400U	2400U		20U
PC8s									
PCB 1016	300U	290U	300U	300U	280U	NA	300U	NA	NA
PCB 1221	3000	290U	3000	3000	280U	NA NA	300U	NA NA	
PCB 1232	300U	290U	3000	300U	280U 280U	NA NA	300U		NA
PCB 1242	3000	290U	300U	3000	280U			NA	NA
PCB_1248	300U	290U	300U	300U 300U		NA	300U	NA	NA
PCB 1254	300 U	290U	300U		280U	NA	300U	NA	NA
PCB_1260	300 U	290U 290U		300U	280U	NA	300U	NA	NA
. 00_1200	3000	284€	300U	300U	280U	NA	300U	NA	NA

Notes:

Analytical results were not validated

U - not detected above method detection limit (MDL)

J - estimated

NA - not analyzed

MOOG CONTROLS INC./MOOG INC. EAST AURORA, N.Y. SURFACE WATER/SEDIMENT ANALYTICAL RESULTS May 1994

SAMPLE ID#	SW-1	SW-2	SED-1	SED-2
CONCENTRATION	(ug/L)	(ug/L)	(ug/kg)	(ug/kg)
COMPOUND	<u></u>			
VOCs				
Chloromethane	5.0 U	5.0 U	6.3 ∪	9.3 U
Vinyl Chloride	2.0 U	2.0 U	2.5 U	
Bro mo methane				3.7 U
Chl oro ethane	5.0 U	5.0 U	6.3 U	9.3 U
Trichlorofluoromethane	2.0 U	2.0 U	2.5 U	3.7 U
	1.0 U	1.0 U	1.3 U	1.9 U
I,1-Dichloroethene	1.0 U	1.0 U	1.3 U	1.9 U
Methylene Chloride	1.0 U	1.0 U	1.3 U	1.9 U
1,2-Dichloroethene (Total)	1.0 U	1.0 U	1.3 U	1.9 U
1,1-Dichloroethane	1.0 U	1.0 U	1.3 U	1.9 U
Chloroform	1.0 U	1.0 U	1.3 U	1.9 U
1,1,1—Trichloroethane	1.0 U	1.0 U	1.3 U	1.9 U
Car bon Tetrachloride	1.0 U	1.0 U	1.3 U	1.9 U
1,2-Dichloroethane	1.0 U	1.0 U	1.3 U	1.9 U
Trichloroethene	1.0 U	1.0 U	1.3 U	1.9 U
1,2-Dichloropropane	1.0 U	1.0 ∪	1.3 U	1.9 U
Bro mo dichloromethane	1.0 U	1.0 U	1.3 U	1.9 U
2-Chloroethylvinyl Ether	2.0 UJ	2.0 UJ	2.5 UJ	3.7 UJ
1,3-Dichloropropene (Cis)	1.0 U	1.0 U	1.3 U	1.9 U
1,3-Dichloropropene (Trans)	2.0 U	2.0 U	2.5 U	3.7 U
1,1,2-Trichloroethane	2.0 U	2.0 U	2.5 U	3.7 U
Tetr ac hloroethene	1.0 U	1.0 U	1.3 U	1.9 U
Dibromochloromethane	2.0 U	2.0 U	2.5 U	3.7 U
Chlorobenzene	2.0 U	2.0 U	2.5 U	3.7 U
Bro mo form	4.3	2.0 U	2.5 U	3.7 ∪
1,1, 2,2 -Tetrachloroethane	2.0 ₺	2.0 U	2.5 U	3.7 ⊔
1,3- D ichlorobenzene	2.0 U	2.0 U	2.5 U	3.7 U
1,4-Dichlorobenzene	2.0 U	2.0 U	2.5 U	3.7 U
1,2-Dichlorobenzene	2. 0 U	2.0 U	2.5 U	3.7 U
Ben ze ne	2.0 U	2.0 U	2.5 U	3.7 U
Tol uen e	2.0 U	2.0 U	2.5 U	3.7 U
Ethylbenzene	2.0 U	2.0 U	2.5 U	3.7 U
Total Xylene (o,m,p)	2.0 U	2.0 U	2.5 U	3.7 U
Dich lo rofiuoroethane	2.0 U	2.0 U	2.5 U	3.7 U
Fre on 113	2.0 U	2.0 U	2.5 U	3.7 U
Total Volatiles	4.3	0.0	0.0	0.0
<u> </u>				
FUELOIL #2				
as n-dodecane	20.0 U	20.0 U	2500.0 U	3700.0 ∪
	20.00	20.00	2500,00	3700.00
PCBs				
PCB_1016	NA	NA	320.0 U	460.0 U
PCB_1221	NA	NA	320.0 U	460.0 U
PCB_1232	NA	NA	320.0 U	460.0 U
PCB_1242	NA	NA	320.0 U	460.0 U
PCB_1248	NA	NA	320.0 U	460.0 U
PCB_1254	NA	NA	320.0 U	460.0 U
PCB_1260	NA	NA	320.0 U	460.0 U

Notes:

Analytical results were not validated U - not detected above method detection limit (MDL)

J - estimated

NA - not analyzed

TABLE 4

MOOG CONTROLS INC./MOOG **INC.**EAST AURORA, N.Y. GROUND-WATER ANALYTICAL **RESULTS**JUNE 1994

SAMPLE ID#	MW-2	MW-3	MW-4	MW-5
CONCENTRATION	(ug/L)	(ug/L)	(ug/L)	(ug/L)
COMPOUND			<u></u>	
/O Cs				
Chloromethane	250 U	5.0 U	5.0 U	0.8
Vinyl Chloride	100 U	5.0 U	5.0 U	2.0 U
Bromomethane	250 U	2.0 U	2.0 U	5,0 U
Chloroethane	100 U	2.0 U	2.0 U	2.0 U
Frichlorofluoromethane	91	1.0 U	1.0 U	1.0 U
1.1 - Dichloroethene	50 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	50 U	1.0 U	1.0 U	1.0 U
1,2 - Dichloroethene (Total)	1,900	1.0 U	59.0	1.0 U
1,1 - Dichloroethane	4,300	1.0 U	2.0	1.0 U
Chloroform	50 U	1.0 U	1.0 U	1.0 U
1,1,1 -Trichloroethane	4,700	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	50 U	1.0 U	1.0 U	1.0 ป
1,2-Dichloroethane	50 U	1.0 U	1.0 U	1.0 U
Tr ichloroethene	980	1.0 U	1.0 U	1.0 U
1.2 - Dichloropropane	50 U	1.0 U	1.0 U	1.0 U
Bromod ichloromethane	50 U	2.0 U	2.0 U	1.0 U
2-Chloroethylvinyl Ether	100 UJ	1.0 U	1.0 U	2.0 UJ
1,3 - Dichloropropene (Cis)	50 U	1.0 U	1.0 U	1.0 U
1,3 - Dichloropropene (Trans)	100 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	190 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	860	2.0 UJ	2.0 UJ	1.0 U
Di bro mo chloromethane	100 U	2.0 U	2.0 U	2.0 U
Chlorobenzene	100 U	2.0 U	2.0 U	2.0 U
Bromoform	100 U	1.0 U	1.0 U	2.0 U
1.1,2,2—Tetrachioroethane	100 U	2.0 U	2.0 U	2.0 U
1,3 - Dichlorobenzene	100 U	2.0 U	2.0 U	2.0 U
1,4 + Dichlorobenzene 1,2 - Dichlorobenzene	100 U 100 U	2.0 U	2.0 U	2.0 U
Benzene	100 U	2.0 U	2.0 U	2.0 U
Toluene	100 U	2.0 U 2.0 U	2.0 U 2.0 U	2.0 U
Ethylbenzene	100 U	2.0 U	2.0 U	2.0 U 2.0 U
Total Xytene (o,m,p)	100 U	2.0 U	2.0 U	2.0
Di chlorofluoroethane	100 U	2.0 U	2.0 U	2.0 U
Freon 113	1,200	2.0 U	2.0 U	2.0 U
Total Volatiles	14031.0	0.0	61.0	2.4
Т РН				
FUEL OIL #2	790.0	NA	NA	20.0 U
PCBs	NA	NA	NA	NA
S VOCs				
Pyridine	10.0 U	NA	NA	NA
N - Ni tro sodimethylamine	5.0 U	NA	NA	NA
Aniline	5.0 U	NA	NA	NA
Pheno!	10.0 U	NA	NA	NA
bi s(-2-Chloroethyl) Ether	5.0 ป	NA	NA	NA
2-Chlorophenol	10.0 U	NA	NA	NA
1,3 - Dichlorobenzene	5.0 U	NA	NA	NA
1,4 - Dichlorobenzene	5.0 U	NA	NA	NA
1,2 - Dichlorobenzene	5.0 U	NA	NA	NA
Benzyl Alcohol	5.0 U	NA	NA	NA
2. 2'-oxybis(1-Chloropropane)	6,0 ป	NA	NA	NA
2-Me th ylphenol	10.0 U	NA	NA	NA
N -Ni tro so-Di-n-propylamine	5.0 U	NA	NA	NA
Hexachloroethane	5.0 U	NA	NA	NA
4-Methylphenol	10.0 U	NA	NA	NA
Nitrobenzene	5.0 U	NA	NA	NA
lsophorone	5.0 U	NA	NA	NA
2-Nitrophenol	10.0 U	NA	NA	NA
Benzoic Acid	50.0 U	NA	NA	NA
2,4 - Dimethylphenol	10.0 U	NA	NA	NA
bi s(-2-Chloroethoxy) Methane	5.0 U	NA	NA	NA

TABLE 4

MOOG CONTROLS INC./MOOG INC. EAST AURORA, N.Y. GROUND-WATER ANALYTICAL RESULTS JUNE 1994

SAMPLE ID#	MW-2	MW-3	MW-4	MW-5
CONCENTRATION	(ug/L)	(ug/L)	(ug/L)	(ug/L)
COMPOUND				
SVOCs (Cont.)				
2.4 - Dichtorophenol	10.0 U	NA	NA	NA
1.2.4 - Trichlorobenzene	5.0 U	NA	NA	NA NA
Na phth al ene	5.0 U	NA NA	NA NA	NA NA
4-Chloroaniline	5.0 U	NA NA	NA	NA NA
1ex achlorobutadiene	5.0 U	NA NA	NA NA	NA NA
2-Me thyl naphthalene	5.0 U	NA NA	NA NA	
4-Chloro -3-methylphenol	13.0	NA NA	NA NA	NA
H e xachiorocyclopentadiene	13.0 5.0 U			NA
2.4 ,5 - Trichlorophenol		NA	NA	NA
	10.0 U	NA	NA	NA
2,4,6 – Trichlorophenol 2 – Chl oro naphthalene	10.0 U	NA	NA	NA
· · · - · - · - · - · - · - · - · -	5.0 U	NA	NA	NA
2-Nitroanitine	5.0 U	NA	NA	NA
Dimethyl Phthalate	5.0 U	NA	NA	NA
Acenaphthylene	5.0 U	NA	NA	NA
3-Nitroaniline	5.0 U	NA	NA	NA
Acenaphthene	5.0 U	NA	NA	NA
2.4 - Dinitrophenol	20.0 U	NA	NA	NA
Dibenzofuran	5.0 U	NA	NA	NA
4-Nitrophenol	20.0 U	NA	NA	NA
2,4 - D init rotoluene	5.0 U	NA	NA	NA
2,6 - D init rotoluene	5.0 U	NA	NA	NA
Die thy lph thalate	5.0 U	NA	NA	NA
4-Chlorophenyi-phenylether	5.0 ป	NA	NA	NA
Fluorene	5.0 U	NA	NA	NA
4-Nitr oa niline	5.0 U	NA	NA	NA
4,6 – D init ro – 2 – methylphenol	20.0 U	NA	NA	NA
1 ,2 Dip he nylhydrazine	5.0 U	NA	NA	NA
N-Nitrosodiphenylamine	5,0 U	NA	NA	NA
4-Bromophenyl-phenylether	5.0 U	NA	NA	NA
H e xac hio robenzene	5.0 U	NA	NA	NA
Pentachlorophenoi	20.0 U	NA	NA	NA.
Phenanthrene	5.0 U	NA	NA NA	NA NA
An thracene	5.0 U	NA NA	NA	NA NA
Carbazole	5.0 U	NA NA	NA NA	NA NA
Di-n-Butylphthalate	5.0 U	NA NA	NA NA	NA NA
Fluoranthene	5.0 U	NA NA	NA NA	NA NA
Benzidine	50.0 U	NA NA	NA NA	
Pvrene	5.0 U	NA NA	NA NA	NA
Butyl benzyl phthalate	5.0 U	NA NA		NA
3,3' - Dichlorobenzidine	5.0 U	NA NA	NA NA	NA
Benzo(a)Anthracene	5.0 U 5.0 U		NA	NA
bis(2-Ethylhexyl)Phthalate		NA NA	NA	NA
C h rysene	18.0	NA	NA	NA
Oirysene Di⊷n⊸octyl phthalate	5.0 U	NA	NA	NA
Benzo(b)fluoranthene	5.0 U	NA	NA	NA
Benzo(k)fluoranthene	5.0 U	NA	NA	NA
	5.0 U	NA	NA	NA
Benzo(a) Pyrene	5.0 U	NA	NA	NA
Ideno(1,2,3-cd)Pyrene	5.0 U	NA	NA	NA
Dibenz(a,h) anthracene	6.0 U	NA	NA	NA
Be nzo (g, h,i)Perylene	5.0 U	NA	NA	NA

Notes:

Analytical results were not validated.

U - Not detected above method detection limit (MDL).

J - Estimated.

NA – Not analyzed.

PCBs – Polychlorinated Biphenyls.

VOCs – Volatile Organic Compounds.

TPH – Total Petroleum Hydrocarbons.

SVOCs – Semivolatile Organic Compounds.

MOOG CONTROLS INC./MOOG INC. EAST AURORA, N.Y. SOIL ANALYTICAL RESULTS JUNE 1994

SAMPLE ID#	MW-2	MW-4
CONCENTRATION	ug/kg	ug/kg
DEPTH	4.0-7.0	8.0-10.0
VOCs		
Chl orom e thane	5.8 U	8.6 U
Bromomethane	5.6 U	6.6 U
Vin yl Chloride	2.2 U	2.7 U
Chl oroethane	2.2 U	2.7 U
Methylene Chloride	1.1 U	1.3 U
T ric hlor of tuoromethane	1.1 U	1.3 U
1,1-Di chl oroethene	1.1 U	1.3 U
1,1-Dichloroethane	1.1 U	1.3 U
1,2-Dichloroethene (Total)	1.1 U	1,3 U
Chlorof orm	1.1 U	1.3 U
1,2-Di chl oroethane	1.1 U	1.3 U
1,1,1-Trichloroethane	1.1 U	1.3 U
Carbon Tetrachloride	1.1 U	1.3 U
Bromodichloromethane	1.1 Ū	1.3 U
1,2-Dichloropropane	1.1 U	1.3 U
1,3-Dichloropropene (Cis)	1.1 U	1.3 U
T ric hloroethene	1.1 Ŭ	1.3 U
1,3-Dichloropropene (Trans)	2.2 U	2.7 U
Dibromochloromethane	2.2 U	2.7 U
1,1,2-Trichloroethane	2.2 U	2.7 U
2-Chloroethylvinyl Ether	2.2 UJ	2.7 UJ
B ro moform	2.2 U	2.7 U
1,1,2,2-Tetrachioroethane	2.2 U	2.7 U
Tetrachloroethene	1.1 U	1.3 U
Chlorob er tzene	2.2 U	2.7 U
1,3-Dichforobenzene	2.2 U	2.7 U
1,2-Dichlorobenzene	2.2 U	2.7 U
1,4-Dichlorobenzene	2.2 U	2.7 U
Benzene	2.2 U	2.7 U
T ol uen e	2.2 U	2.7 U
Ethylbenzene	2.2 U	2.7 U
T ot al Xylene (o,m,p)	2.2 U	2.7 U
Dichloroftuoroethane	2.2 U	2.7 U
Freon 113	2.2 U	2.7 U
Total Volatiles	0.00	0.00
TPH		
F UE L OI L #2		
a s n -d od ecane	2,200 U	NA
	•	
PCBs	NA	NA
SVOCs		
Pyridine	740 U	NA
N-Nitrosodimethylamine	370 U	NA .
Anil ine	370 U	NA NA
Phenol Phenol	740 U	NA
b is(-2 -C hloroethyl) Ether	370 U	NA
2-Chlorophenol	740 U	NA
1,3-Dichlorobenzene	370 U	NA
1,4-Dichlorobenzene	370 U	NA
1,2-Dichlorobenzene	370 U	NA
Benzyl Alcoho!	370 U	NA
2,2'-oxybis(1-Chloropropane)	370 U	NA NA
2-Methylphenol	740 U	NA NA
N-Nitroso-Di-n-propylamine	370 U	NA NA
Hexachioroethane	370 U	NA NA
4-Meth yl phenol	740 U	NA NA
Nitrobenzene	370 U	NA NA
Sophorone	370 U	NA NA
•	2100	13/3

MOOG CONTROLS INC./MOOG INC. EAST AURORA, N.Y. SOIL ANALYTICAL RESULTS JUNE 1994

SAMPLEID#	MW-2	MW-4
CONCENTRATION	ug/kg	ug/kg
D <u>E</u> PTH	4.0-7.0	8.0-10.0
SMOCo (Cont.)		
<u>SVOCs (Cont.)</u> 2-Nitro p henol	740.11	N/A
z—Muophenoi Berzoic Acid	740 U	NA NA
2.4-Dimethylphenol	3700 U	NA NA
	740 U	NA .
bis(-2-Chloroethoxy) Methane	370 U	NA NA
2.4 – Dichlorophenol	740 U	NA .
1.2.4 - Trichlorobenzene	370 U	NA
Naphthalene	370 U	NA
4-Chloroaniline	370 U	NA
H ex achlorobutadiene	370 U	NA
2-Methylnaphthalene	370 U	NA
4-Chloro-3-methylphenol	7 40 U	NA
Hexachlorocyclopentadiene	3 70 U	NA
2,4 ,5-Trichlorophenol	740 U	NA
2,4,6-Trichlorophenol	740 U	NA
2-Chlo ro naphthalene	370 U	NA
2-Nitroaniline	370 U	NA
Dim ethyl Phthalate	370 U	NA
Acenaphthylene	370 U	NA
3-Nitroaniline	370 U	NA NA
Acenaphthene	370 U	NA
2,4-Dinitrophenol	1500 U	NA NA
Dib enzofuran	370 U	NA NA
4-Nitrophenol	1500 U	NA NA
2.4 – Di nit rotoluene	370 U	NA NA
2.6-Dinitrotoluene	370 U	NA NA
Die thylphthalate	370 U	NA NA
4—Chlorophenyl-phenylether	370 U	NA NA
Fluorena	370 U	NA NA
4-Nitroaniline	370 U	NA NA
4,6 - Di nit o - 2 - methlyphenol	1 50 0 U	NA
1,2 Diphenylhydrazine	370 U	NA NA
N-Nitrosodiphenylamine	370 U	NA NA
4-Bromophenyl-phenylether	370 U	NA
Hexachlorobenzene	370 U	NA NA
Pentachio rophenol	1500 U	NA NA
Phenanthrene	370 U	NA NA
Anthracene	370 U	NA NA
Carbazole	370 U	NA NA
Di-n-Butylphthalate	370 U	
Fluoranthene	370 U	NA NA
Benzidine		NA NA
Pvrene	3700 U 370 U	NA NA
Butyl benzyl phthalate		NA
3.3' – D ich torobenzidine	370 U	NA .
Benzo(a)Anthracene	370 U	NA .
berzo(a)Antracene bis(2 – Ethylhexyl)phthalate	370 U	NA .
ous(z=enyinexyi)phthalaus Chrysene	370 U	NA
On young	370 U	NA
Di-n-octyl phthalate	370 U	NA
Benzo(b)fluoranthene	370 U	NA
Benzo(k)fluoranthene	370 U	NA
Benzo(a) Pyrene	370 U	NA
Ideno(1,2,3-cd)Pyrene	370 U	NA
Dibenz(a,h)anthracene	370 U	NA
Benzo(g,h,i)Perylene	370 U	NA

Notes:

Analytical results were not validated.

U — Not detected above method detection limit (MDL).

J - Estimated.

NA - Not analyzed.

VOCs — Volatile Organic Compounds.
TPH — Total Petroleum Hydrocarbons.
SVOCs — Semivolatile Organic Compounds.
PCBs — Polychlorinated Biphenyls.

Breykon, >

MOOG CONTROLS INC. EAST AURORA, N.Y. SUMMARY OF ANALYTICAL RESULTS*

~					moox/?m	ci mooc		mac	xg - MCI			
Compoun	ds 😅		1,2 DCE	1,1 DGA.	1,1,1 TCA	TCE	PCE	Freen 11 Fre	on 113	Xylene	4Cl3Me	2EPh
Ground W	/ater											
MC-2 MC-3 MC-5		. • :: · · . · · . · · . · · . · · . · · . · · . · · · . ·	1800	1300 28	2600 73	3500	3400	110	3500	adii s		**************************************
MC-7 MC-8 MW-2 MW-3			1900	1 .1 4300	4700	980	8 60		1200		13	16
MW-4 MW-5	•	• • • • •	59	2						2.4		
Drinking \	Water Star	dards	5	5	5	5	5	5	5	5	NA	N/
Compoun	ds		1,2 DCE	1,1 DCA	1,1,1 TCA	TCE	PCE	MeCl	TPH			
Boil	Dep th		300	z∞	800	700	1400	100				
MC-1 MC-2 MC-3	(4'-7') (4'-5.5') (4'-6')	•	70 49	2.1	4.5	. 12 27	120 91		71000			
MC-4 MC-5 MC-7	(4'- 6. 5') (4'- 6') (3'- 4')	÷.		. :	5.4			1.3				
MC-8 MW-2 MW-4	(5'-7') (4'-7') (8'-10')	/ (. · · ·										
Compour			Brim				1. 41.					
Sediment	<u> </u>					· · · · · · · · · · · · · · · · · · ·						<u></u>
SED-1 SED-2	:	.′										
Surface Y	Vator_											
SW-1 SW-2		: :: :	4.3									

Notes:

Analytical results were not validated.
Groundwater, surface water and drinking water standard concentrations are expressed in ug/L.
Soli and sediment concentrations are expressed in ug/kg.
Only the compounds that were detected are shown.

only are competited star word abadeac are allowed

References:

Drinking water standards: NYSDEC Technical and Operational Guidance Series 1.1.1 for class GA groundwater.

Key:

1,2 DCE = 1,2 Dichloroethene
1,1 DCA = 1,1 Dichloroethane
1,1,1 TCA = 1,1,1 Trichloroethane
TCE = Trichloroethane
PCE = Tetrachloroethane
From 11 = Trichloroethane

PCE = Tretrachorestrene

PCE = Tetrachloroethene

Freon 11 = Trichlorofluoromethane
Freon 113 = 1,1,2-Trichloro-1,2,2 Trifluoroethane
4Ci3Me = 4-Chloro-3-methylphenol
2EPh = bis(2-Ethylhexyl)Phthalate
MeCl = Methylene Chloride
TPH = Fuel Oil #2
Bifm = Bromoform

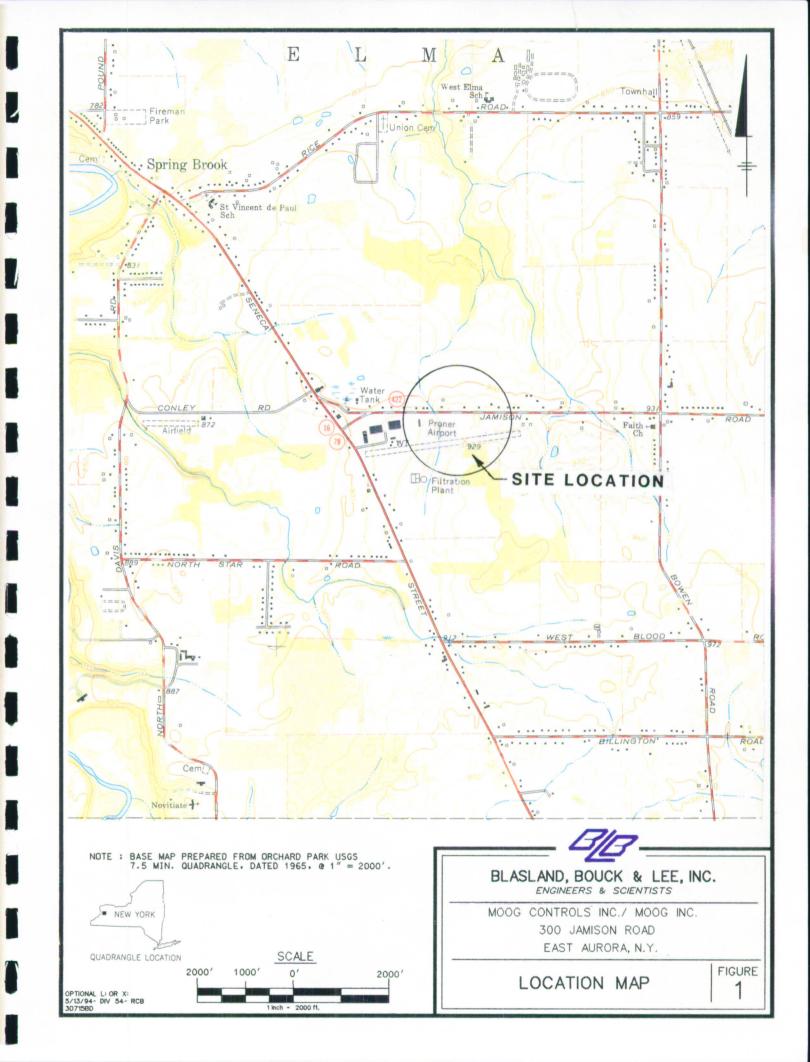


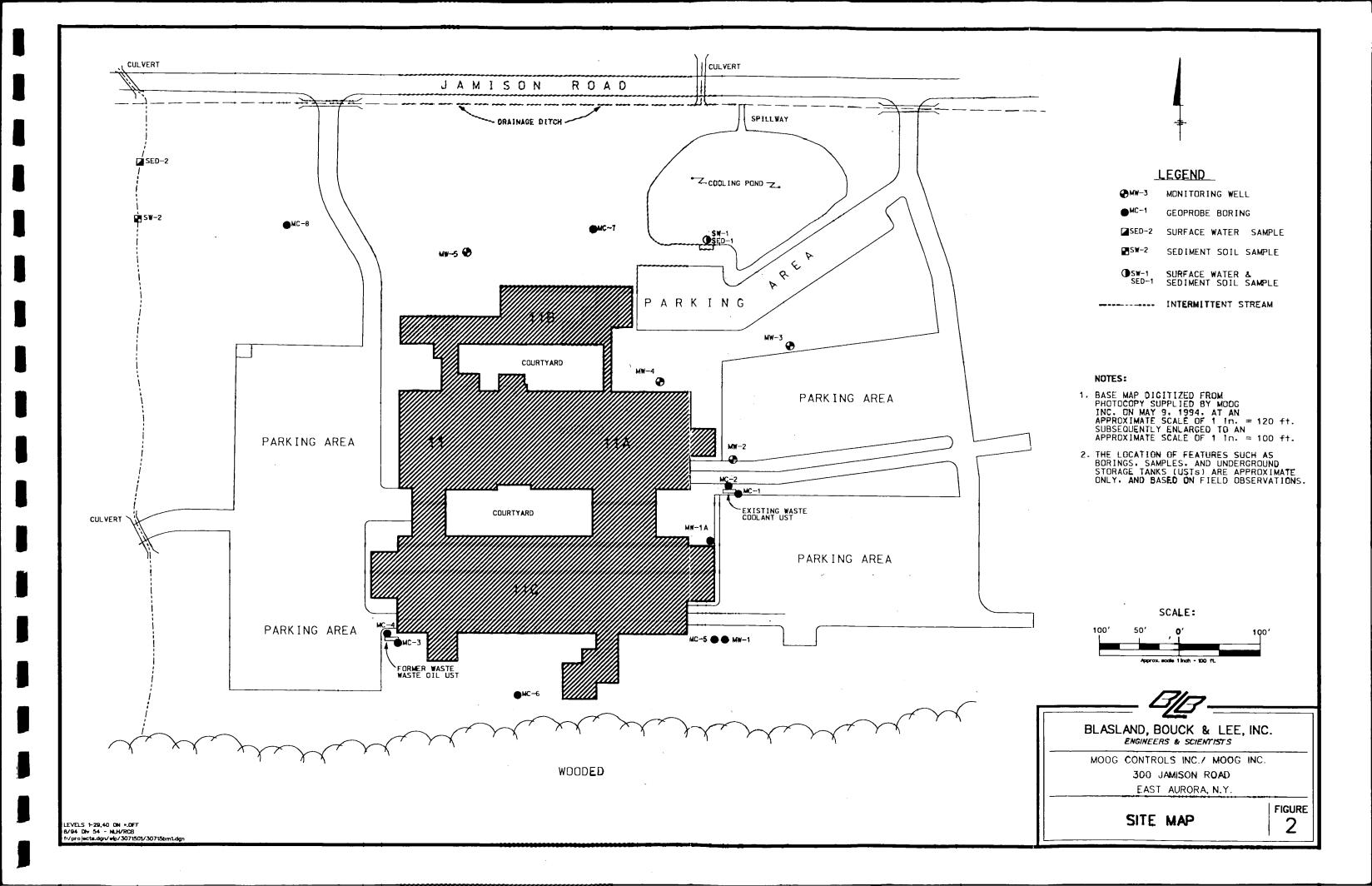
Figures

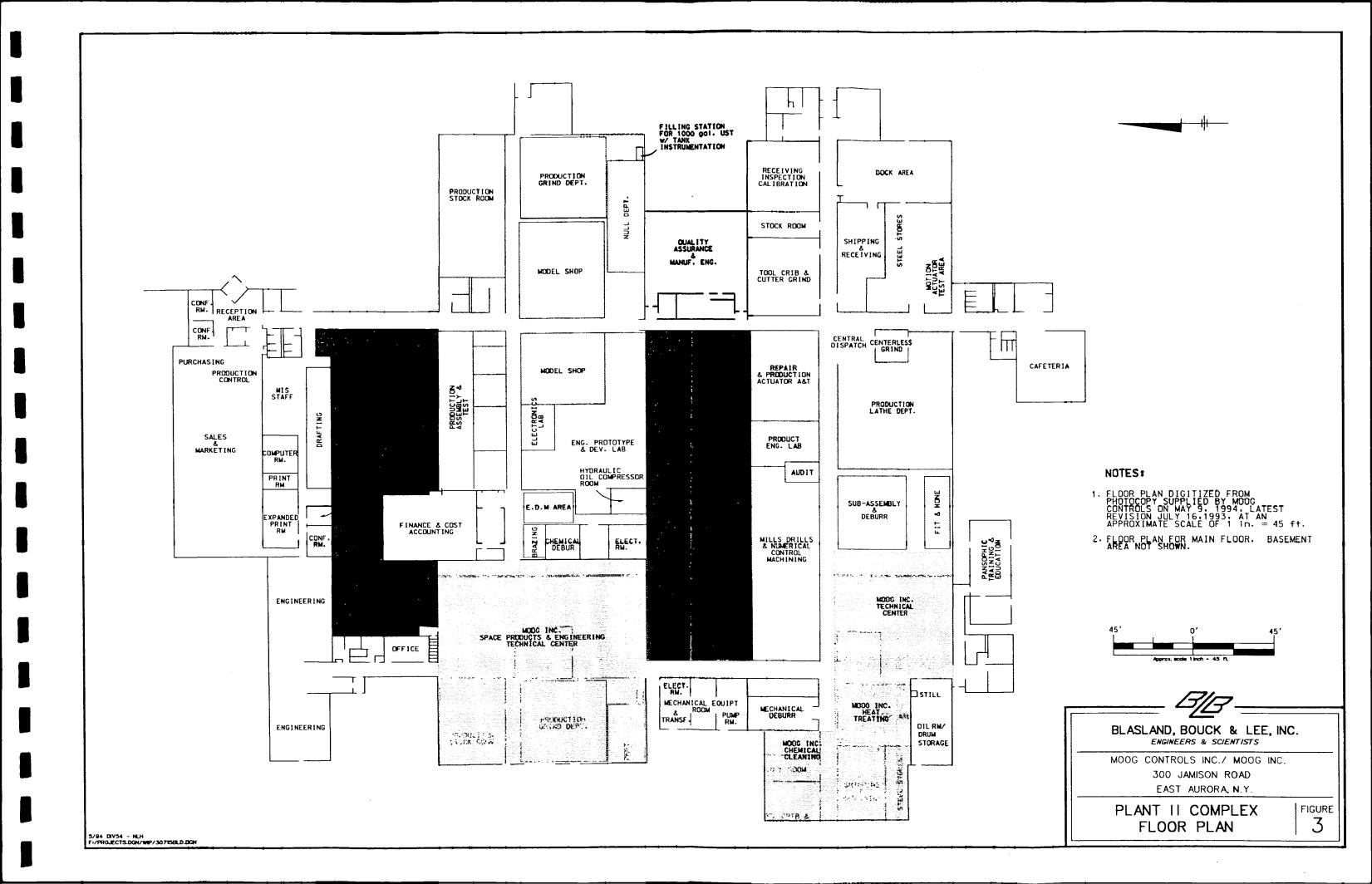
FIGURES

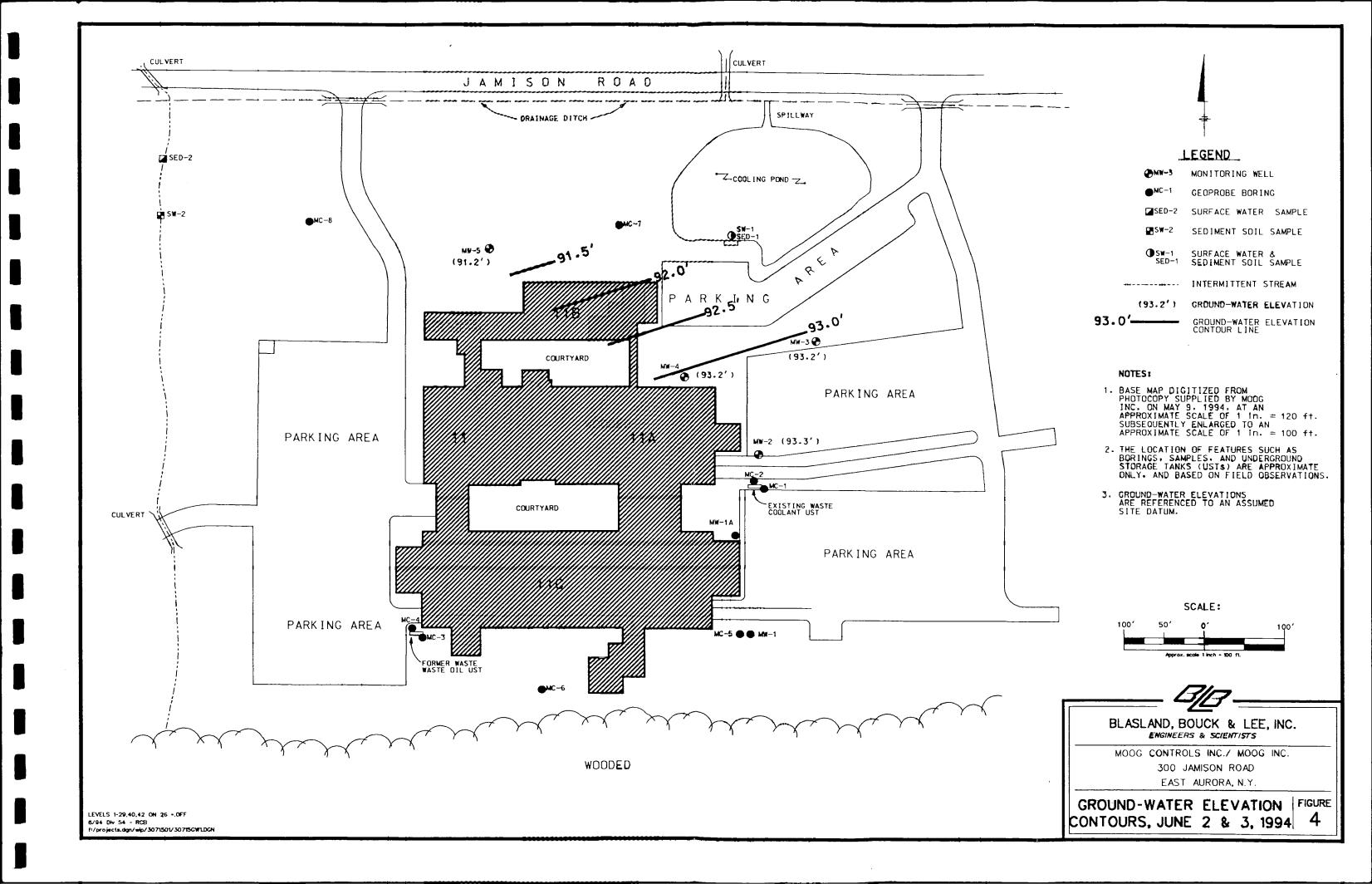


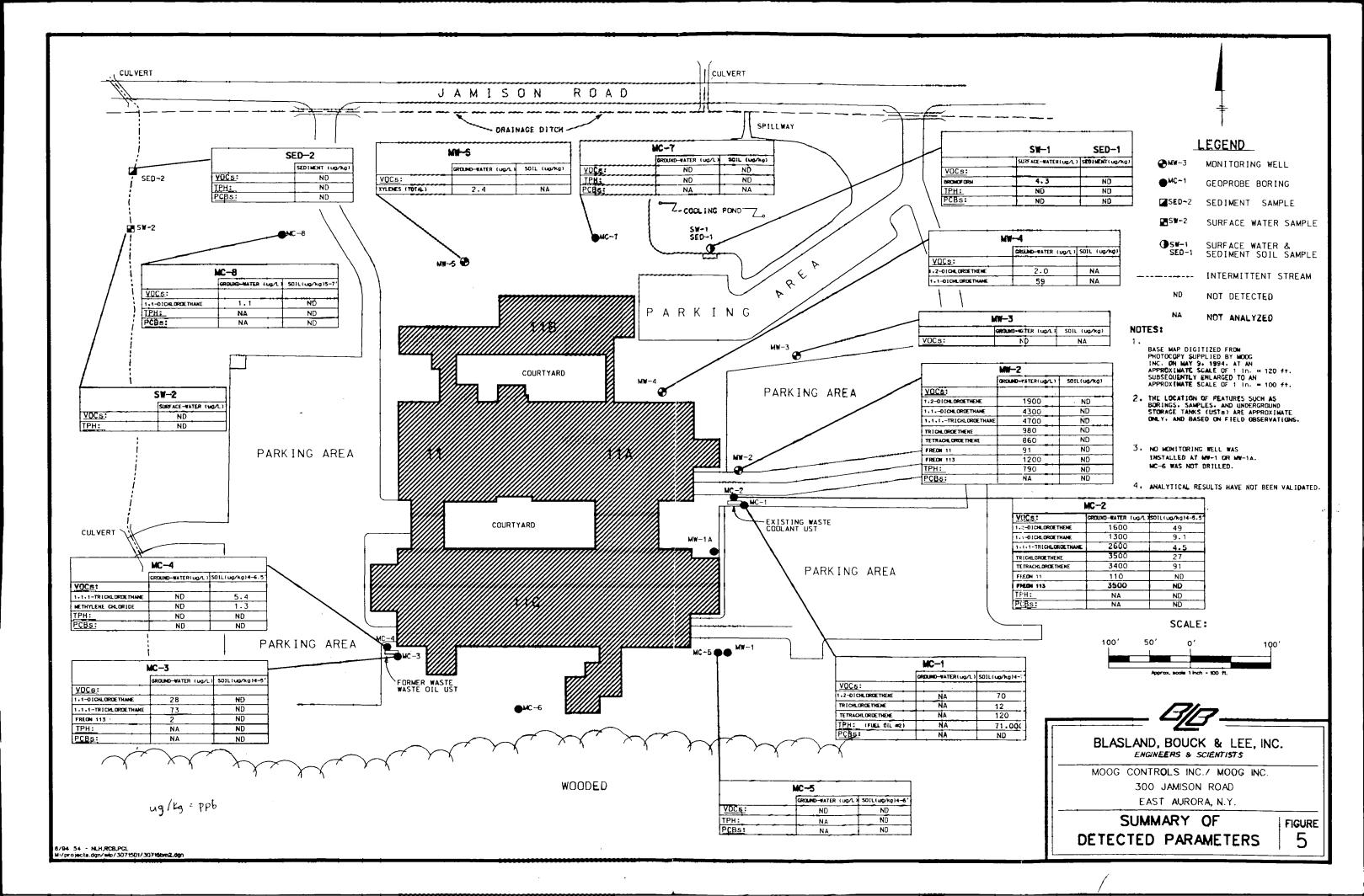
- 1 Location Map
- 2 Site Map
- 3 Plant 11 Complex Floor Plan
- 4 Ground-Water Elevation Contours June 2 & 3, 1994.
- 5 Summary of Detected Parameters













APPENDICES



- A Subsurface Logs
- B Analytical Data
- C In-situ Hydraulic Conductivity Test Results

APPENDIX A



Subsurface Logs

Northing: N/A Easting: N/A Borehole Depth: 8 ft. Date Start/Finish: 05/18/94 - 05/18/94 Boring No. MC-1 Orilling Company: Nittany Geoscience, Inc. Oriller's Neme: Steve Keller Orilling Method: Geoprobe Site: Ground Surface Elev.: 925 ft. Bit Size: N/A-in. Auger Size: N/A-in.
Rig Type: Van-mounted
Spoon Size: 2-in.
Hammer Weight: N/A-in
Height of Fall N/A-in Moog Controls, Inc. East Aurora, New York Height of Fall: N/A-in. Geologist: Lynette B. Mokry **Septechnical Test** Sample/Int/Type :::Boring Stratigraphic Description Sample Run Number Recovery (ft.) PID (ppm) Headspace Blaws/8 Construction GROUND SURFACE TOPSOIL from 0-3" 4.0 FILL Brown Clayey SILT, stiff, dry. Filled boring with 10 cuttings and Brown and/or tan Clayev SILT. bentanite chios (0-4')O.E A\N A\N trace medium to fine Gravei (shale 3.0 and slag), occaisional black staining. WEATHERED SHALE Tan Clayey SILT, little medium to fine Gravel (shale), wet, stiff, 1.5 920 - 5 Strong organic odor from 3 to 8 ft. Occaisional black staining from 1.5 to 2.5 8 1t. (4-8')* N/A N/A 2.3 SHALE Refusal, black SHALE bedrock, wet to saturated, dense. End of Boring @ 8.0 ft. bgs 95 10 Notes: * Analytical soil sample collected from 4.0 to 7.0 ft. bgs. Not enough water in hole to collect ground-water sample. Grade elevation is approximate. Geoprobe location immediately south of existing UST location and east of Plant Bullding IIA Saturated Zones Remarks: Date / Time Elevation Depth Soll descriptions after Burmister, 1858. bgs - below ground surface. N/A - not applicable.

Project: 307.15

Script: BAN-bore Date: 08/23/94 Date Start/Finish: 05/16/94 - 05/16/94 Northing: N/A Boring No. MC-2
Drilling Company: Nittany Geoscience; Inc.
Driller's Name: Steve Keller Borehole Depth: 5.5 ft. Site:
Drilling Method: Geoprobe Ground Surface Elev: 925 ft. Bit Size: N/A-in. Auger Size : N/A-in. Moog Controls, Inc. East Aurora, New York Geologist: Lynette B. Mokry Height of Fall: N/A-in. Sample/Int/Type Boring «Construction Stratigraphic Description PIO (ppm) Headspace Geotechnical Blows/8 In. **Recovery** gs elevation 925 ft GROUND SURFACE TOPSOIL from 0-3" 3.2 Filled boring with Tan with black-stained Clayey SILT, cuttings and maist, stlff. bentonite chips (0-47)N/A N/A 3.5 10 WEATHERED SHALE Tan Clayey SILT, little medium to tine Gravel (shale), wet, stiff. (4-5.5')× N/A N/A 1.5 320 - 5 Strong organic odor from 3 to 5.5 SHALE Refusal, SHALE bedrock, saturated, dense. End of Boring @ 5.5 ft. bgs ŭ., Notes: * Analytical soil sample collected 10 95 from 4.0 to 5.5 ft. bas. Ground-water sample collected using peristaltic pump at approximately 5.3 ft. bas. Grade elevation is approximate. Geoprobe location immediately north of existing UST location and east of Plant Building IIA Remarks: Saturated Zones Soll descriptions after Burnister, 1958. Elevation Depth Date / Time. bgs - below ground surface. N/A - not applicable. Script: DAN-bore Date: 08/23/84 Project: 307.15

Page: Lof L

Date Start/Finish: 05/16/94 - 05/16/94 Northing: N/A
Drilling Company: Nijtany Geoscience, Inc. Easting: N/A
Driller's Name: Steve Keller Borehole Depth: 5.5 ft. Site:
Criling Method: Geoprope Ground Surface Elev: 925 ft. Bit Size: N/A-In: Auger Size: N/A-In: Rig Type: Van-Inounited Spoon Size: 2-In: Hammer Weight: N/A-Ib Moog Controls, Inc. Geologiat Lynette B. Mokry East Aurora, New York Height of Falt N/A-in. Sample Run, Number Stratigraphic Description Boring Sample/Int/Type PIO (ppm)
Headspace
Geofechwical T Construction Recovery Blows/8 oo Ecolisea ar (col) DEPT gs elevation 925 ft. GROUND SURFACE TOPSOIL from 0-4' to Brown fine SAND, little Silt, roots. (0-2)N/A N/A I.O moist. Filled baring with cuttings and bentonite chips Tan coarse to fine SAND, some medium to fine Gravel, dry. Orange-brown line SAND, little Silt, dry to maist. (2-5.57* N/A N/A L3 Becomes wet at approximately 3.5 920 5 3.5 SHALE Refusal, SHALE bedrock, saturated. End of Boring @ 5.5 ft. bas z . Notes: * Analytical soil sample collected from 4.0 to 5.0 ft. bas. Ground-water sample collected 95 using peristaltic pump from 10 approximately 5.3 ft. bgs. Grade elevation is approximate. Geoprobe location immediately south of former UST location in southwest corner of Plant Building IIC Saturated Zones Remarks: Soil descriptions after Burmister, 1858. Date / Time Elevation Depth bgs - below ground surface.

N/A - not applicable. N/A - not applicable.

Project: 307.15

Script: DAN-bare Date: 08/23/84

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Northing: N/A Easting: N/A Borehole Depth: 6.5 ft. Date Start/Finish: 05/16/94 - 05/16/94 Boring No. MC-4 Orling Company Nittany Geoscience, Inc. Driller's Name: Steve Keller
Drilling Method: Geoprobe Sie Ground Surface Elev: 925 ft. Bit Size: N/A-In. Auger Size : N/A-In. Rig Type: Van-mounted 3.00**%** (2.00) Spoon Size: 2-in. Mood Controls, Inc. Hammer Weight: N/A-b Height of Fait N/A-in. East Aurora, New York Geologist Lynette B. Mokry

	<u> </u>	· zerein.								
DEPTH ELEVATION	Sample Run Number	Sample/Int/Type	Blows/8 In.	Z	Recovery (ft.)	PIO (ppm) Headspace	Geatechincal Test	Geologic Column	Stratigraphic Boring Description ©Construction	
gs eëraton 925 ft									GROUND SURFACE	
	(0-47)		N/A	N/A	3.5	N/A			Brown medium to fine (+) SAND, little Clayey Silt, maist to dry. Gray and grange-brown mattled CLAY & SILT, dry, firm.	!
5 \$20 _ 5 _	(4-8.57)×		N/A	N/A	20	N/A			Orange-brown fine SAND, little (+) Clayey Silt, wet. Slight organic odor from 3-6.5 ft. SHALE Refusal, SHALE bedrock, dense.	1
									Notes: ** Analytical soil sample collected from 4.0 to 8.5 ft. bgs. Grade elevation is approximate. Geoprobe location immediately north of former UST location in southwest corner of Plant Building IIC	1
	ASI AND BOU	ZX & LE	F Ts			bgs.	desi	cript elow	Saturated Zones lons after Burmister, 1958. Date / Time Elevation De pricable.	pth

Date Start/Finish: 05/17/94 - 05/17/94 Northing: N/A Easting: N/A Boring No. MC-5 990 g S Draing Company, Nittany Geoscience, Inc. Orlier's Name: Steve Keller Orling Method: Geoprobe Borehole Depth: 7.5 ft. ******* Sie Ground Surface Elev. 925 ft. Bit Size: N/A+in. Auger Size: N/A+in. 7 **9**7 80 20 7 8 8 8 Rig Type: Van-mounted Spoon Stze: 2-in. Moog Controls, Inc. 100400 (20) Hammer Weight: N/A-Ib East Aurora, New York £822 % Geologiat Lynette B. Mokry Height of Falt N/A-in.

DEPTH ELEVATION	Sample Sa	Sample/Int/Type	Blows/8 In.		Recovery (ft.)	PIO (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	€	Boring onstruction	
gs etraton 925 ft									GROUND SURFACE			
	(0-47)		N/A	N/A	3.4	8.0			Tan and/or brown fine SAND, little Clayey Silt, moist to wet. TILL Tan fine SAND, some Clayey Silt,		Filled borin cuttings ar bentonite	id:
	10 47				5.4	0.7			some medium to tine Gravet (Shale tragments), dry. Tan fine SAND, some (+) medium Gravet (Shale tragments), little Clayey Silt, wet.			-
5 %20	(4-7 <i>.</i> 5')*		N/A	N/A	2.8	0.3			SHALE			-
			-			0.2			SHALE bedrock, saturated to wet. Refusal 0 7.5 ft. End of Boring 0 7.5 ft. bgs			- -
10 915 10 =									Notes: * Analytical soil sample collected from 4.0 to 6 ft. bgs. Ground—water sample collected using peristaltic pump at approximately 7.4 ft. bgs. Grade elevation is approximate. Geoprobe location southeast of Plant Building IIC, near loading doc			- - -
			Ti. S áis			211111		Use or		₩ .	atod Zano	
BL. ENG	SI AND BOUL	EX & LE	E TS			. bgs:	desi	elow	ions after Burmister, 19 68. ground surface. oplicable.	 satura te / Time	ated Zone	

Date Start/Finish: 05/17/94 - 05/17/94 Soring: N/A
Drilling Company: Nitteny Geoscience, Inc.: Easting: N/A
Drilling Method: Geoprobe
Bit Size: N/A-in. Auger Size: N/A-in.
Rig Type: Van-mounted
Spoon Size: 2-in.
Hammer Weight: N/A-ib.
Height of Fall: N/A-in.

Resting: N/A
Borthing: N/A
Borehole Depth: 7.5 ft.
Ground Surface Elev.: 925 ft.

Moog Controls, Inc.
East Aurora, New York

DEPTH FI FVA TTON	Sample Sample Run Number	Sample/Int/Type	Blows/8 In.	2	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Construction
gs ekration 925 ft 8									GROUND SURFACE	
_	(0-47*		N/A	N/A	4.0	0 .0			Orange-brown fine SAND, Httle Silt, maist. TILL Orange-brown fine SAND, same (+) Clay & Silt, trace medium Gravel (Shale fragments), maist.	Filled boring with cuttings and bentonite chips
_ 5 920						0.0			B 3 ft., a 2" lens of coarse to medium SAND, well-sorted. B 3.17 ft., becomes orange-brown fine SAND, some Clayey Sitt, some medium Gravel (Shale fragments), wet.	
-	(4-75')		N/A	N/A	3.0	0.0			WEATHERED SHALE Black medium GRAVEL (Shale tragments), little Clayey Sitt. saturated, with increasing competence with depth. SHALE SHALE bedrock, saturated.	
10 945									Refusal 8 7.5 ft. End of Boring 8 7.5 ft. bgs	
_									* Analytical soil sample collected from 3.0 to 4.0 ft. bgs. Ground—water sample collected using peristaltic pump at approximately 7.4 ft. bgs. Grade elevation is approximate. Geoproba location approx. 70 ft. north of Plant Building 118, and approx. 70 ft. west of pond.	
15 on	ELASLAND, BOU	CK & LE	EE STS		50.3 (c) (c) (c) (c) (c) (c) (c)	egd	desc - be	Wolf	lons after Burmister, 1858. ground surface. pplicable.	Saturated Zones Date / Time Elevation Depth

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Script: DAN-bore Date: 08/23/84

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Date Start/Finish: 05/17/94 - 05/17/94 Northing: N/A
Drilling Company: Nittany Geoscience, Inc. Easting: N/A
Driller's Name: Steve Keller Borehole Depth: 8 ft. Site:

Crilling Method: Geoprobe Ground Surface Elev: 925 ft.

Bit Size: N/A-in. Auger Size: N/A-in.

Rig Type: Van-mounted Spoon Size: 2-in.

Hammer Weight: N/A-ib.

Height of Falt N/A-in.

Geologist: Lynette B. Mokry

DEPTH	ELEVATION	Sample Samble Run: Number	Sample/Int/Type	Blows/8 In.	2	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description		Boring Construction
gs ekration 925 ft	925									GROUND SURFACE		
	-96 	(0.40)		11/4			0 .0			Orange-brown fine SAND, Httle (- SUt, moist. TILL Orange-brown and/or tan fine	}	Filled baring with cuttings and bentanite chips
		(0-47)		N/A	N/A	4.0	0.0			SAND, little to some Clayey Sit, trace medium Gravei (Shale fragments), moist to wet.		-
— 5 —	<i>920</i>	(4 −8')¥		N/A	N/A	3.0	0.0			WEATHERED SHALE Orange-brown and/or dark gray t SAND, some Ctay, some medium	ine	
_		(4 6/2				0.0	0.0	-		Gravel (Shale fragments), wet. Black medium GRAVEL (Shale fragments), little Clayey Sitt, slight weathered, wet.	:ty	
10	- 915 _									SHALE Refusal, SHALE bedrock, saturate End of Boring @ 8.0 ft. bgs	ď.	<u>-</u> -
_	- - -									Notes: * Analytical soil sample collected from 5.0 to 7.0 ft. bgs. Ground—water sample collected using peristaltic pump at approximately 7.9 ft. bgs. Grade elevation is approximate. Geoprobe location northwest of Plant Building 118.		-
15	97) BL/ ENG	SE AND BOU INCERS & SC	CK & L	EF STS			Soll bgs	des	elow elow	tions after Burmister, 1858. Ground surface. pplicable.		Saturated Zonea te / Time Elevation Depth

Date Start/Finish: 06/02/94 - 06/02/94 Northing: N/A
Drilling Company: SJB Services, Inc. Easting: N/A
Driller's Name: Jeff Leavelle Well Casing Elev.:
Drilling Method: Hollow-stem Auger Corehole Depth: Well No. MW-1 Site Grand Surface Flore Bit Size: N/Attin. Auger Size: 4.25 10-in. Manage Controls, Inc. Rig Type: CME-550, ATV Spoon Size: 2-in. Ground Surface Elev.: ft. East Aurora, New York ---- AN UI d, Geologiat: Lynette B. Mokry Stratigraphic Sample/Int/Type PID (ppm) Headspace Geotechnical Well Sample Run Number EL EVATION Recovery Description Construction DEPT elevation Ŕ₩ GROUND SURFACE TOPSOIL from 0-5" Black and/or dark brown tine SAND. 2-2 (0-2) 20 1.3 1.0 some Clayey Silt, moist. 18-24 Black medium to fine GRAYEL (angular Shale fragments), some Filled in boring with Clayey Silt, moist. soll cuttings. 30-50 Brown and/or tan fine SAND and mt (2-4) 82 1.5 0.1 32-28 GRAVEL (Shale), dry.

Brown medium to fine (+) SAND, little (-) Silt, trace medium to time Gravet 32-31 5 (4-8') 67 1.5 (Shale, limestone), dry. 1.0 38-28 WEATHERED SHALE Black medium to fine GRAVEL (weathered Shale fragments), little tine Sand, trace Clay & Slit, dry. 25-23 (8-8)47 1.4 2.0 24-50/4" Black medium to fine GRAVEL (Shale), trace fine Sand, trace Clay & Sitt, maist. MUDSTONE Gray MUDSTONE, competent. (8-10") 50/4" N/A 0.2 N/A End of Boring & 10.0 ft. bas - 10 Nates: No ground-water in hole after drilling, so no well was set. Grade elevation is approximate. Boring location immediately south of Plant Building IIC loading dock, and 5 ft. east of boring MC-5 location.

BLASLAND BOUCK & LEE NGINEERS & SCIENTISTS Remarks: ..

Soil descriptions after Burmister, 1958.

bgs - below ground surface.

N/A - not applicable.

Water Levels

Date / Time | Elevation | Depth

Project: 307.15

Script: DAN-well Date: 08/23/84 Date Start/Finish: 06/03/94 - 06/03/94 Northing: N/A Easting: N/A HEI NO. MW-IA Drilling Company: SJB Services, Inc. \$14. × 110 Well Casing Elev.: Corehole Depth; Orler's Name: Jeff Leavelle Site: 🛷 Orling Method: Hollow-stem Auger Corehole Depth;
Borehole Depth; 10 ft. Bit Size: N/A+In. Auger Size: 4.25 ID+In. RIG Type: CME-650, ATV Moog Controls, Inc. East Aurora, New York Spoon Size: 2-in. lain, y Edation Geologist: Lynette B. Mokry Geotechnical Test Sample/Int/Type Stratigraphic Description :: Well Construction Recovery (ft.) PIO (ppm) Headspace EVATION elevation 8 ₹ GROUND SURFACE TOPSOIL from 0-7' Brown fine SAND, little Silt, trace 2-4 (0-2)80 L4 0.0 medium to tine Gravel (Shale 8-11 tragments), moist. Brown medium to fine SAND, little Filled in boring with Clayey Silt, trace medium to fine 0 cement/bentonite Gravel (Shale fragments), dry. 10-8 graut. (2-4)17 1.5 0.0 8-12 Brown fine SAND, some medium to O fine Gravel (Shale fragments), moist to dry. WEATHERED SHALE 8-8 - 5 (4-8) 18 L3 LO Black medium to tine GRAVEL A-IO (weathered Shale fragments), some (-) Clay & Silt, moist to dry. light brown SILT, thinniy-bedded, dry to malst, 1lrm. 12-12 (8-8) 24 1.0 t.O 12-20 SHALE Black medium to fine GRAVEL (Angular Shale fragments), little ٠. Clayey Silt, damp to wet. (8-10") 15-50/3" N/A L25 0,0 End of Boring @ 9.5 ft. bgs - 10 Notes: No ground-water in hole after drilling, so no well was set. Grade elevation is approximate. Boring location north of Plant Building IIC. Remarks: Water Levels Date / Time Elevation Depth Soll descriptions after Burmister, 1958. BLASLAND, BOUCK & LFE bgs = below ground surface. N/A - not applicabe. ENGINEERS & SCIENTISTS

Project: 307.15

Script: DAN-well Date: 08/23/84

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Northing: N/A
Easting: N/A
Well Casing Elev.:
Corehole Depth:
Borehole Depth: 10 1t.
Ground Surface Elev.: 1t Date Start/Finals:08/03/94 - 08/03/94 Well No. MW-2 Drilling Company: SJB Services, Inc. part of Driver's Name: Jeff Leavelle Site: Drilling Method: Hollow-stem Auger Bit Size: N/A-In. Auger Size: 4.25 ID-In. Z344Z 7-158 Ground Surface Elev.: 1t. Rig Type: CME-550, ATV Spoon Size: 24n. Moog Controls, Inc. East Aurora, New York Geologist Lynette B. Mokry Strailgraphic Description Sample/Int/Type Recovery (ft.) Geotechnical Well PIO (ppin) Headspace Sample Run Number DEPTH ELEVATION Construction Blows/6 9" dia, water-tight flush-mount protector elevation છે # GROUND SURFACE Concrete pad TOPSOIL from 0-13' Brown medium to fine (+) SAND, IIttle Morie No. 3 sand 2-3 (0-2)8 LI 10 (-) Silt, maist to dry. drain 2' dia. PVC riser, 0 Sch. 40 Gray coarse to fine SAND, little 0 $\{2-4\}$ 34-50/3" N/A 0.7 2.0 coarse to line Gravel, dry. Bentonite pellet 0 0, ; Brown coarse to medium SAND, some Morte No. O sand coarse to fine Gravel (Slag), dry. 30-18 - 5 (4-8')* 28 L3 210 12-12 Brown SILT, dry, very firm, slight odar. Timiniminiminiminimini Gray-brown medium to fine (+) 8-15 SAND, little Clay & Silt, little medium (8-8)× 27 10 10.0 12-18 to fine Gravel (Shale fragments), 2" dia, PVC screen, 10-slot dry. . WEATHERED SHALE Black medium to fine GRAVEL (Shale 8-18 (8-10") 45 1.8 100.0 fragments), slightly weathered, 27-25 fissile, odor. - 10 SHALE Black medium GRAVEL (Shale (10-12) 30-50/3" N/A 0.7 100.0 fragments), competent, odor, dry.

Remarks:

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

Notes:

Buldina IIA.

End of Boring 2 ii ft. bgs

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

. . Y

Water Levels Date / Time ... Elevation Depth

Project: 307.15

Script: DAN-weil Date: 06/23/94

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Northing: N/A
Easting: N/A
Well Casing Elev:
Corehole Depth:
Borehole Depth: 10-ft. Date Start/Finish: 08/02/94 - 08/02/94 Draing Company, SJB Services, Inc. Orler's Name: Jeff Leavelle Driling Method: Hollow-stem Auger Bit Size: N/A-In. Auger Size: 4.25 ID-In. Ground Surface Elev.: 11. Rig Type: CME-550, ATV Spoon Size: 2-in. Moog Controls, Inc. East Aufora, New York Geologiat: Lynette B. Mokry Эфоюда Column Stratigraphic Description PIO (ppin)
Headspace
Geotechnical Test Sample/Int/Type Sample Run Number Recovery (ft.) Well WEIL Construction DEPTH ELEVATION Locking 4" dia. aluminum protective casing gs elevation At GROUND SURFACE concrete pao TOPSOIL from 0-8" Brown and/or dark brown medium to 2-3 (0-2)7 1BO 17.0 fine (+) SAND, little Silt, moist. Z' dla. PVC riser, Sch. 40 Bentonite pellet seal Brown medium to fine (+) SAND. (2-4)17.0 Ħ 10.4 i some (-) Clayey Silt, trace medium Gravel (Slag), moist. Morle No. 0 sand Olive-brown fine SAND, some Clayey 3-3 - 5 (4-B') 7 20.0 12 Silt, moist to wet. Orange and/or tan Clayey SILT, dry to moist, firm. (8-8) 1.3 N/A N/A 7.0 2' dia. PVC WEATHERED SHALE screen, 10-slot Brown and/or black tine SAND, some Clayey Silt, little medium Gravel (Shale fragments), moist. 01-8 ('01-8)22 8.0 14 SHALE 12-50/3" Black medium GRAVEL (Shale - 10 tragments), saturated. End of Boring @ 9.9 ft. bgs Notes: Ground-water sample collected. Grade elevation is approximate. Monitoring well location east of Plant Building 118 Water Levels 100 Remarks: Soll descriptions after Burmister, 1958. Date / Time Elevation Depth bgs - below ground surface.

N/A - not applicable. el region avan Les lestre N/A - not applicable.

Project: 307.15

Script: DAN-weil Date: 08/23/84

Date Start/Finish: 06/02/84 - 06/02/94" Northing: N/A Well No. MW-4 >:4× Northing: N/A

Easting: N/A

Well Casing Elev.:

Corehole Depth:

Borehole Depth: 18 ff.

Ground Surface Elev.: ft. Orilling Company: SJB Services, Inc. Site: Driller's Name: Jeff Leavelle Drilling Method: Hollow-stem Auger Bit Size: N/A-in. Auger Size: 4.25 10-in. Rio Type: CME-550, ATV Moog Controls, Inc. Spoon Size: 2-in. East Aurora, New York Geologiat: Lynette B. Mokry Sample/Int/Type Recovery (ft.) Sample Run Number PID (ppm) Headspace Geofechnical Stratigrape.
Description ELEVATION well well Seologic lows/8 Construction Acae ik no. Lacking 4" dia. aluminum protective casing gs elevation ft. GROUND SURFACE Concrete pad TOPSOIL from 0-8" Brown and/or dark brown medium to 1-5 (0-2')13 1.1 1.0 fine (+) SAND, little Clay & Slit, dia. PVC riser. 8-7 moist to damp. Sch. 40 Te 0.5 ft., grades to medium to fine SAND, little medium to fine Gravel 5-10 (Shale, limestone), little Silt, moist to (2-4') 18 1.3 21.0 8-8 Brown SILT, thinnly-bedded, dry, 4-3 - 5 (4-8')* 8 30.0 14 Bentanite pellet seal TILL Gray-brown fine SAND and Clayey 8-8 (8-8) 18 45.0 1.5 SILT, trace medium to fine Gravel 10-10 Morie No. O sand (sub-rounded limestone), saturated to wet. ٠. Brown fine SAND and Clayey SILT. 2-10 damp to wet, 1lrm. (8-10')* 23 0.5 0.8 Z' dia. PVC 13-8 WEATHERED SHALE screen, 10-slot Gray-brown medium to fine GRAVEL - 10 (weathered Shale fragments). damp. 7-12 (10-127) 28 1.5 4.0 Black and/or dark brown fine SAND. 14-28 some medium to fine Gravet (angular Shale fragments), little Clayey Silt, damp. 33-22 (12-14") 38 1.5 4.0 18-50/3" Black medium GRAVEL (Shale fragments), saturated. End of Boring @ 13.8 ft. bgs Water Levels Remarks: Date / Time | Elevation Soil descriptions after Burnister, 1968. Depth bgs - below ground surface. N/A - nat applicable. gariyas ada N/A - nat applicable.

Project: 307.15

Script: DAN-well Date: 08/23/84

Page: 1 of 2

Moog Controls Inc. East Aurora, New York

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

DEPTH ELEVATION	Sample Run Number	Semple/Int/Type	19/3/3/10	DICMS/CQ JIII.	Z	Recovery (ft.)	PID (ppm) Headspace	Geofechnical Test	Geologic Calum	Stratigraphic Well Description Construction
_ _ _ _ _ _										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										' દે'.
	"	<i>5/1</i>	IJ				Remark	K.S.*		Water Levels Date / Time Elevation Depth
Projec	ENGINE	ERS &		ists cript: D ate: 06	AN-W	e				Page: 2 of

Northing: N/A
Easting: N/A:
Well Casing Elev:
Corehole Depth:
Borehole Depth: 10 ft.
Ground Surface Elev: 1t.

Moog Controls, Inc.
East Aurora, New York Date Start/Finan: 06/03/94 - 06/03/94 ... Draing Company, SJB Services, Inc. Order'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. Sample Run Number Stratigraphte Description Geotechnical Test Sample/Int/Type Well
Construction Geologic Column Recovery (ft.) PIO (ppm) Headspace DEPTH ELEVATION 9" dla. water-tight flush-mount protector elevation 8 2 GROUND SURFACE concrete pag TOPSOIL from 0 - 17". Brown medium to fine (+) SAND, little 3-3 Morle No. 3 sand (0-2)10 1.4 1.0 Silt, maist. drain 2' dia. PVC riser, Sch 40 TILL Brown medium to fine (+) SAND, little Bentanite peliet 8-10 (2-47 20 1.5 20 Clayey Slit, trace medium to fine (+) seal 10-8 Gravel (Angular shale and sub-rounded hematitic sandstone), dry to maist. 8-8 - 5 (4-8')* #8 1.4 4.0 10-17 Morle No. 0 sand Brown and/or tan medium to fine SAND, little medium to tine Gravel 19-17 (Angular shale and sub-rounded (8-8) 38 1.8 1.0 19-15 Z'dia, PVC hematitic sandstone), trace (+) screen, 10-slot Clayey Silt, damp to wet. SHALE . Black medium to fine GRAVEL (Shate 14-10 (8-10') 22 0.5 20 fragments), saturated. 12-8 End of Boring @ 10.5 ft. bas - 10 (10-12) 15-50/8" N/A OB: 4.0 Ground-water sample collected. * Total organic carbon analysis from 4-8 ft. Grade elevation is approximate. Monitoring well location north of Plant Building IIB. Remarks: Water Levela Elevation Depth Soff descriptions after Burmister, 1958. Date / Time. bgs -- below ground surface.

Project: 307.15

Script: DAN-well Date: 08/23/84

Page: 1 of 1

APPENDIX B



Analytical Data



JUNE 8 1994

Ms. Lynette Mokry
Blasland & Bouck Engineers, P.C.
6723 Towpath Rd., Box 66
Syracuse, NY 13214-0066

Re: Moog Controls

Dear Ms. Lynette Mokry

Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 06/03/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger

Customer Service Representative

Enc.



Effective 10/1/91

GTC LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.

 The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A This flag indicates that a TIC is a suspected aldolcondensation product.
- Spiked sample recovery not within control limits.
 (Flag the entire batch Inorganic analytes only)
- Duplicate analysis not within control limits.
 (Flag the entire batch Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
 (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



LABORATORY REPORT

Job No: R94/02042 Date: JUNE 8 1994

Client:

Sample(s) Reference

Ms. Lynette Mokry Blasland & Bouck Engineers, P.C. Moog Controls

6723 Towpath Rd., Box 66 Syracuse, NY 13214-0066

Received

: 06/02/94

P.O. #:

ANALYSIS * BY GC	: METHOD	8010/80	020	ANA	ALYTICAL	RESULTS	- ug/l
Sample: Location:		-001 #W-3 _[-002 MW-4 	-003 TRIP BLANK	-004 LAB METH Blank		
Date Collected: Time Collected:	l 1 PQL	0 6/02/94 13: 15	06/02/94 15:10	06/02/94	ļ	1	į
rime cottected:	•	•	1	NA			
Date Analyzed:		06/02/94	06/02/94	06/02/94	1 06 /02 /94	1	; ;
Chloromethane	5	1 5.0 U	5.0 U	5.0 U	5.0 U	i i	i
Bromomethane	5	∮ 5.0 U	5.0 U	5.0 U	5.0 U	i i	i
Vinyl Chloride	2	i 2.0 U	2.0 U	2.0 U	2.0 U	i i	i
Chloroethane	2	∮ 2.0 U	2.0 U	2.0 U	2.0 U	i i	i
Methylene Chloride	1	1.0 U	1.0 U	1.0 U	1.0 U	ı i	İ
Trichlorofluor o me th an e	t	1.0 U	1.0 U	1.0 U	1.0 U	ı i	i
1,1-Dichloroethen e	1	1.0 U	1.0 U	1.0 U	1.0 U	l i	ĺ
1,1-Dichloroethan e	1	1.0 U	59,	1.0 U	1.0 U	i i	j
Total 1,2-Dichlor o ethene	1	1.0 U	2.0-	1.0 U	1.0 U	i i	į
Chloroform	t	1.0 U	1.0 U	1.0 U	1.0 U	1 i	j
1,2-Dichloroet h an e	1 1	1.0 U	1.0 U	1.0 U	1.0 U	1 i	ĺ
1,1,1-Trichlor c et ha ne	1	1.0 U	1.0 U	1.0 U	1.0 U	ı i	į
Carbon Tetrachlor id e	1	1.0 บ	1.0 U	1.0 U	1.0 U	i i	ĺ
Bromodichlorometh an e	1	1.0 0	1.0 U	1.0 U	1.0 U	i i	į
1,2-Dichloropropa ne	1 1	1.0 U	1.0 U	1.0 U	1.0 U	ı i	i
1,3-Dichloropropene-Trans	[2	2.0 U	2.0 U	2.0 U	2.0 U	ı i	į
Trichloroethen e	1	† 1.0 U	1.0 U	່ 1.0 ບ	1.0 υ	į į	į
1,3-Dichloropropene (Cis)	1 1	1.0 U	1.0 U	1.0 U	1.0 U	i i	i
Dibromochloromethane	2	1 2.0 U	2.0 U	2.0 U	2.0 U		i
1,1,2-Trichloroethane	2	2.0 U	2.0 U	2.0 U	2.0 U	i i	ì
2-Chloroethylvinyl Ether	2	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	i i	
Bromoform	5	2.0 U	2.0 U	2.0 U	2.0 U		,
1,1,2,2-Tetrachloroethane	2	2.0 U	2.0 U	2.0 U	2.0 U	i i	i
Tetrachloroeth e ne	1 1	1.0 U	1.0 U	1.0 U	່ 1.0 ປ	i	
Chlorobenzene	2	2.0 U	2.0 U	2.0 U	2.0 U	i i	İ
1,3-Dichlorobenzene	2	2.0 0	2.0 U	2.0 U	2.0 U	i i	i
1,2-Dichlorobenzeme	2	2.0 0	2.0 U	2.0 U	2.0 U	i	i
1,4-Dichlorobenzeme	2	2.0 0	2.0 U	2.0 U	j 2.0 U	i i	İ
Benzene	2	2.0 U	2.0 U	2.0 U	2.0 U	i i	i
Toluene	2	2.0 U	2.0 U	2.0 U	2.0 U		i
Ethylbenzene	2	2.0 U	2.0 U	2.0 U	2.0 U	i	i
Total Xylene (o,m,p)	2	2.0 U	2.0 U	2.0 U	2.0 U	i i	i
Freon 113	2	2.0 U	2.0 U	į 2.0 U	2.0 U	i i	i
Dichlorofluoroeth an e	2	2.0 U	2.0 U	2.0 U	2.0 U	i i	
	1	1				i i	i
Total Volatile s	1	i ND	61.00	ND	1 ND	1 i	i



LABORATORY REPORT

Job No: R94/02042

Date: JUNE 8 1994

Client:

Sample(s) Reference:

Ms. Lynette Mokry

Blasland & Bouck Engineers, P.C.

6723 **Towpath** Rd., Box 66 Syracuse, NY 13214-0066

Moog Controls

Received

: 06/02/94

P.O. #:

ANALYSIS * BY GC	METHOD	•				RESULTS	· - &	
Sample:		-001	-002	-003	-004	i	1	
Location:		MW-3	MW-4	TRIP	LAB METH	1	1	ŧ
-		.1		•	BLANK	1	1	
Date Collected:			06/02/94	•	1	1	1	1
Time Collected:	LIMITS	† 13 : 15	15:10	INA		ţ		
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& Recovery	1			İ	į	İ		
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1-Chloro-3-Fluor o be nz ene	60-121%	104	91	96	92			
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		1	1		1	1	ļ	1
ChloroFluorobenzene(PID)	60-140%	1 96	 89	 1 9 8	l l 90	1		1
cittor or tuor openzer express	1	1	1	1 70	90	 	l	1
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Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317 NY ID# in Hackensack: 10801

Minus - Property



MAY 26 1994

Ms. Lynette Mokry Blasland Bouck Engineers PC 6723 Towpath Road, Box 66 Syracuse, NY 13214

Re: Moog Controls, Inc.

Dear Ms. Lynette Mokry

Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 05/25/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger

Customer Service Representative

Enc.



CASE NARRATIVE

Corporation 1919

Blasland Bouck Engineers PC

Moog Controls, Inc.

OB #: R94/01778

VOLATILE ORGANICS

BBE soil and water samples were analyzed for priority pollutant volatiles, Dichlorofluoroethane, and Freon 113 by methods 8010/8020 from SW-846.

The initial and continuing calibration criteria were met for all analytes.

All surrogate standard recoveries were within acceptance limits for all samples.

All matrix spike, matrix spike duplicate, reference check standard recoveries, and % RPD data were within QC limits.

The Laboratory Blanks were free of contamination.

The Field Blank (R94/1778-018) and Trip Blank (R94/01778-019) were free of contamination.

All required analysis holding times were met.

The Chloroethylvinylether results have also been flagged with a "J" as being estimated due to very erratic results obtained from the GC purge and trap system. None has been detected in any of the samples.

Sample R94/01778-013 was analyzed at a 1/50 dilution to bring target analytes within the calibration of the method.

No other analytical or QC problems were encountered.

PCB ANALYSIS

BBE soil samples were analyzed for PCBs using method 8080 from SW-846. The samples were extracted using method 3550 microsonication technique employing 2 grams of sample.

The surrogate standard recoveries for Tetrachloro-m-xylene were within QC advisory limits for all samples.

All samples were cleaned up using acid and sulfur cleanups prior to analysis.

No analytical or QC problems were encountered.



BBE R94/01778 - page 2

PETROLEUM HYDROCARBONS

BBE soil and water samples were analyzed for Petroleum Hydrocarbons using NYSDOH method 310-13. Ten grams of solid sample was extracted with 10 mls of Hexane and analyzed by GC/FID.

The sample R94/01778-005 exhibited a hydrocarbon peak pattern that resembled Fuel Oil #2/Diesel Fuel and was quantitated as such. All other samples could not be identified and were quantitated as Dodecane.

No analytical or QC problems were encountered with this analysis.



Effective 10/1/91

GTC LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A This flag indicates that a TIC is a suspected aldolcondensation product.
- N Spiked sample recovery not within control limits. (Flag the entire batch - Inorganic analytes only)
- Duplicate analysis not within control limits.
 (Flag the entire batch Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



LABORATORY REPORT

Job No: R94/01778

Date: MAY 26 1994

Client:

Sample(s) Reference:

Ms. Lynette Mokry
Blasland Bouck Engineers PC
6723 Towpath Road, Box 66

Moog Controls, Inc.

Syracuse, NY 13214

Received

: 05/18/94

P.O. #:

			AN	ALYTICA	L UNITS	- %		
Sampl e: Locati on:	-001 SED-1	-002 HC-4	-003 MC-3	-004 MC-2	₹ -005 MC-1	-006 MC-5	-007 MC-8	-008 MC-7
Date Collected: Time Collected:	 05/ 16/9 4 14:15 ========	 05/16/94 15:40	 05/16/94 16:20	 05 /16 /94 18:15	 05/16/94 18:00	 05/17/94 08:40	 05 /17 /94 10:05	 05 /17 /94 11:15
Date Analyzed:	 05/19/94 	05/19/94	 05/19/94 	 05/19/94	05/19/94	 05/19/94	 05/19/94	05/19/94
Solids, %	79.4	82.2	82.9	86.9	83.6	90.0	83.6	84.4
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Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317 NY ID# in Hackensack: 10801

Milal F. Roman



LABORATORY REPORT

Job No: R94/01778

Date: MAY 26 1994

Client:

Sample(s) Reference:

Ms. Lynette Mokry
Blasland Bouck Engineers PC
6723 Towpath Road, Box 66
Syracuse, NY 13214

Moog Controls, Inc.

Received

: 05/18/94

P.O. #:

			ANALYTI	CAL UN	ITS - %		
Sampl e:	-009	1	I	I	1	I	
Locatio n:	SED-2	Į I	1		Į.		į
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Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Markey & Parkey



LABORATORY REPORT

Job No: R94/01778

Date: MAY 26 1994

Client:

Ms. Lynette Mokry
Blasland Bouck Engineers PC
6723 Towpath Road, Box 66
Syracuse, NY 13214

Sample(s) Reference

Moog Controls, Inc.

Received

: 05/18/94

P.O. #:

ANALYSIS * BY GC	METHOD	8010/80	020	ANALYTI	CAL RES	ULTS -	ug/kg D	ry Wt.
Sample:		-001	-002	-003	-004	-005	-006	-007
Location:		SED-1	MC-4	MC-3	MC-2	MC-1	MC-5	MC-8
ate Collected:	 	_I 05 /16/94	 05/16 / 94	↓ 05/16 /94	 05/16/94	 ∤05 /16 /94	 05/17/94	 05/17 /9 4
ime Callected:	PQL	14:15	15:40	16:20	18:15	18:00	08:40	10:05
======================================		05/24/94	 05/24/94	05/24/94	05/24/94	105/24/94	105/24/94	105/24/94
Dilution:	I	1	1	11	11	5	11	11
Chloromethane	5.0	6.3 U	6.1 U	6.0 U	5.8 U	30 U	5.6 U	i 6.0 U
Bromomethane	5.0	6.3 U	6.1 U	[6.0 U	5.8 ປ	30 Ų	5.6 U	6.0 U
Vinyl Chloride	0.5	2.5 U	2.4 U	[2.4 U	2.3 U	12 U	2.2 U	j 2.4 u
Chloroethane	2.0	2.5 U	2.4 U	[2.4 U	2.3 U	12 U	2.2 U	2.4 U
Methylene Chlori de	1.0	1.3 U	1.3	1.2 U	1.2 U	6.0 U	1.1 U	1.2 U
Trichlorofluor ometh an e	1.0	1.3 U	1.2 U	1.2 U	1.2 U	6.0 U	1.1 U	1.2 U
1,1-Dichloroethene	1 1.0	1.3 U	1.2 U	ຸ 1.2 ບ	1.2 U	6.0 U	ן 1.1 ט	ן 1.2 ט
1,1-Dichloroethane	1.0	1.3 U	1.2 U	1.2 U	9.1	6.0 U	1.1 U	1.2 U
Total 1,2-Dichlor o eth en e	1.0	1.3 U	1.2 U	1.2 U	49	70	1.1 U	1.2 U
Chloroform	1.0	1.3 U	1.2 U	1.2 U	1.2 U	6.0 U	1.1 U	1.2 U
1,2-Dichloroethane	1.0	1.3 U	1.2 U	1.2 U	1.2 U	6.0 U	1.1 U	1.2 U
1,1,1-Trichloroe th ane	1.0	1.3 U	5.4	∫ 1.2 U	4.5	6.0 U	1.1 U	1.2 U
Carbon Tetrachloride	1.0	1.3 U	1.2 U	1.2 U	1.2 U	6.0 U	1.1 U	1.2 U
Bromodichloromethane	1.0	1.3 U	j 1.2 U	1.2 U	1.2 U	6.0 U	1.1 U	1.2 U
1,2-Dichloroprop an e	1.0	1.3 U	1.2 U	1.2 U	1.2 U	6.0 U	1.1 U	1.2 U
1,3-Dichloroprop en e-T ra ns	2.0	2.5 U	t 2.4 U	1 2.4 U	2.3 U	12 U	ט 2.2	2.4 U
Trichloroethene	1.0	1.3 U	1.2 U	ຳ 1.2 ປ	27	12	1.1 U	1.2 U
1,3-Dichloropropene (Cis)	1.0	1.3 U	∮ 1.2 U	1.2 U	1.2 U	6.0 U	1.1 U	1.2 U
Dibromochloromethane	2.0	2.5 U	2.4 U	[2.4 U	2.3 U	12 U	2.2 U	2.4 U
1,1,2-Trichloroe th ane	2.0	2.5 U	2.4 U	[2.4 U	2.3 U	12 U	2.2 U	2.4 U
2-Chloroethylvinyl Ether	2.0	2.5 U.	2.4 UJ	[2.4 UJ	2.3 UJ	12 UJ	2.2 UJ	2.4 U.
Bromoform	2.0	2.5 U	2.4 U	[2.4 U	2.3 U	12 U	2.2 U	2.4 U
1,1,2,2-Tetrachloroethane	2.0	2.5 U	1 2.4 U	{ 2.4 U	2.3 U	12 U	2.2 U	2.4 U
Tetrachloroethene	1.0	1.3 U	1.2 U	1.2 U	91	120	j 1.1 U	1.2 U
Chlorobenzene	2.0	2.5 U	2.4 U	2.4 U	2.3 U	12 U	2.2 U	2.4 U
1,3-Dichlorobenz en e	2.0	2.5 U	2.4 U	2.4 U	2.3 U	12 U	2.2 ∪	2.4 U
1,2-Dichlorobenz en e	2.0	2.5 U	2.4 U	{ 2.4 U	2.3 U	12 U	2.2 U	2.4 U
1,4-Dichlorobenzene	2.0	2.5 U	2.4 U	2.4 U	2.3 U	12 U	2.2 U	2.4 U
Benzene	2.0	2.5 U	2.4 U	2.4 U	2.3 U	12 U	2.2 U	2.4 U
Toluene	2.0	2.5 U	2.4 U	[2.4 U	2.3 U	12 U	2.2 U	2.4 U
Ethylbenzene	2.0	2.5 U	2.4 U	1 2.4 U	2.3 U	12 U	2.2 U	2.4 U
Total Xylene (o,m,p)	2.0	2.5 U	2.4 U	1 2.4 U	2.3 U	12 U	2.2 U	2.4 U
Freon 113	2.0	2.5 U	2.4 U	2.4 U	2.3 U	12 ↓	2.2 U	2.4 U
Dichlorofluoroethane	2.0	2.5 U	2.4 U	[2.4 U	2.3 U	12 U	2.2 U	2.4 U



LABORATORY REPORT

Job Number: R94/01778

Date: 26 MAY , 1994

Client:

Sample(s) Reference:

Ms. Lynette Mokry
Blasland Bouck Engineers PC
6723 Towpath Road, Box 66

Moog Controls, Inc.

Syracuse, NY 13214

Received

: 05/18/94

P.O. #:

ANALYSIS * BY GC	METHOD	8010/80	20	ANAI	LYTICAL	RESULTS	- 8	
		-002	-003	-004		-006	-007	l
Location:	SED-1	IMC-4	MC-3	MC-2	MC-1	MC-5	MC-8	i
			(1		1		l
,	•				•	•	105/17/94	1
Time Collected:	14:15	115:40	16:20	18:15	18:00	08:40	10:05	ı
				12222222222	100000000000		_======================================	
		1	1	1	1	 	 	1
į			1	<u> </u>				1
· ·]	1	1			i	•	i
SURROGATE STANDARD RECOVERIES	<u> </u>	1	ļ.	1		1	İ	ĺ
% Recovery	•	† †	; 1	1				! :
A Recovery	† 1		I	<u> </u>	1		1	
Bromochlorome t ha n e	66	103	 97		 85	 84	l l 80] [
(Acceptance Limits: 66-128%)	1	1	ţ .	, 		54	60	! !
,	1	<u> </u>	1		İ	Ì	İ	į J
<u>'</u>	<u> </u>	1	ı	1		+	İ	į l
1-Chloro-3-Fluorobenzene	67	104	97	91	97	71	68	
(Acceptance Limits: 6U-1U8%)	1	1	1	<u> </u> '				<u> </u>
i '	} }	i	i	1	1	1		<u> </u>
Chlorofluorobenzene(PID)	80	119 (↓ 【 101	1 102	1 102	1.88	 84	} !
(Acceptance Limits: 60-140%)	1	,	1			1	1	
	1	į į	1		İ	j		
!	1	1	1	1	1	İ	İ	İ
!	!	!	Į.	!	1			
!	1	<u> </u>	1		!	!		<u> </u>
i '	1	1	1 1	1	1	1	i	
	1	i ;	1	1	1	1	1	
(Acceptance Limits: 60-108%) Chlorofluorobenzene(PID)	† 	† † 	1 1 1	91	97 102 101 102 102 103	71 88 	68 84 	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Mila F. Russ



LABORATORY REPORT

Job No: R94/01778

Date: MAY 26 1994

Client:

Sample(s) Reference

Ms. Lynette Mokry
Blasland Bouck Engineers PC
6723 Towpath Road, Box 66
Syracuse, NY 13214

Moog Controls, Inc.

Received

: 05/18/94

P.O. #:

ANALYSIS * BY GC	METHOD	8010/8	020	ANALYTI	CAL	RESULTS ·	- ug/kg	Dry	Wt.
Sample:		1 -008	-009	-020	1	I	ı	1	
Location:		MC-7	SED-2	LAB	i	i	İ	i	
		İ	i	BLANK	i	i	i	i	
Date Collected:	t	 05 /17/94	05/17/94		i	į	1	i	
Time Collected:	PQL	11:15	NA NA		i		ĺ	i	
======================================	:====== : 	†05 /25/94	05/25/94	05/24/ 94	:===== })	:======	
Dilution:	1	11	11	11	1	1	1	-	
Chloromethane	5.0	† 5.9 U	' 9.3 U	1 5.0 U	1	1	!	l L	
Bromomethane	5.0	∮ 5.9 U	9.3 U	1 5.0 U	l I	l I	1	4	
Vinyl Chloride	2.0	2.4 U	7.5 U	1 2.0 U	l J	l I	!	l	
Chloroethane	2.0	2.4 U	3.7 U	1 2.0 U	i	 	i	1	
Methylene Chloride	1.0	1.2 U	1.9 U	1 1.0 U	i	1	1	1	
Trichlorofluor ometh an e	1.0	1.2 0	1.9 U	1.0 U	i	i	•	i	
1,1-Dichloroethene	1.0	1.20	1.9 U	1.0 U		 		l I	
1,1-Dichloroethane	1.0	1.2 U	1.9 U	1.0 U		 		i I	
Total 1,2-Dichloroethene	1.0	1.20	1.9 U	1.0 U	i	i I	i	1	
Chloroform	1.0	1.2 U	1.9 U	1.0 U	i	i	İ	1	
1,2-Dichloroethane	1.0	1.2 U	1.9 U	1.0 U	i	i	1	i I	
1,1,1-Trichloroethane	i 1.0	1.20	1.9 U	1.0 U	i	i	i	¦ İ	
Carbon Tetrachlor i de	1.0	1.2 U	i 1.9 U	1.0 U	i	i	i		
Bromodichloromethane	1.0	1.2 0	1.9 U	1.0 U	i	i	i	i	
1,2-Dichloropropane	1.0	1.2 u	1.9 U	1.0 U	i	i	i	1	
1,3-Dichloropropene-Trans	2.0	2.4 U	i 3.7 U	1 2.0 U	i	i	i	i	
Trichloroethene	1 1.0	1.2 U	1.9 U	1.0 U	i	i	1	 	
1,3-Dichloropropene (Cis)	1.0	1.2 U	1.9 U	1.0 U	i	i	i	i	
Dibromochlorometh a ne	2.0	2.4 U	3.7 U	1 2.0 U	i	i	1	i I	
1,1,2-Trichloroethane	2.0	2.4 0	3.7 U	2.0 U	i	i		i I	
2-Chloroethylvinyl Ether	2.0	2.4 U.E	3.7 UJ	2.0 UJ	i	i	İ	1	
Bromoform	2.0	2.4 U	3.7 U	2.0 U	i	i	i		
1,1,2,2-Tetrachloroethane	2.0	2.4 0	3.7 U	2.0 U	i	, 	, 	•	
Tetrachloroethene	1.0	1.2 U	1.9 ປ	1.0 U	i	i		i	
Chlorobenzene	2.0	2.4 U	3.7 U	2.0 U		i	į	i	
1,3-Dichlorobenzene	2.0	2.4 U	3.7 U	2.0 U	i	i	i	i	
1,2-Dichlorobenzene	2.0	2.4 0	3.7 U	2.0 U	i	ì	i	i	
1,4-Dichlorobenzene	2.0	2.4 0	3.7 U	1 2.0 U	i	i	i	i	
Benzene	2.0	2.4 U	3.7 U	2.0 U	i	i	i	i	
Toluene	2.0	2.4 U	3.7 U	2.0 U	i	i	i	i	
Ethylbenzene	2.0	2.4 U	່ 3.7 ບ	1 2.0 U	İ	i	i	i	
Total Xylene (o,m,p)	2.0	2.4 U	3.7 U	2.0 U	İ	i	i	i	
Freon 113	2.0	2.4 U	3.7 U	2.0 U	İ	i	į	i	
Dichlorofluoroeth a ne	2.0	2.4 0	3.7 U	2.0 U	i	i	i	i	



LABORATORY REPORT

Job Number: R94/01778

Date: 26 MAY , 1994

Client:

Sample(s) Reference:

Ms. Lynette Mokry

Moog Controls, Inc.

Blasland Bouck Engineers PC 6723 Towpath Road, Box 66

Syracuse, NY 13214

Received

: 05/18/94

P.O. #:

ANALYSIS * BY GC	METHOD	8010/80	20	ANALYTICAL	RESULTS	 &	
Sample:	-008	-009] -020 [1	1	i	1
Location:	MC-7	SED-2	LAB	i	i	, I	
	1	ĺ	BLANK	İ	İ	I	
Date Collected:	05/17/94	05/17/94	j	i	i	i I	
Time Collected:	11:15	HA		ĺ	İ	I	
	2222222222		==========			250522256566	
ł	1	1	1 1		1	1	
	1	1	1	ĺ	Í	İ	
	1	1	1		Ì	I	
	1	1	i i	ĺ	Í		
SURROGATE STANDARD RECOVERIES	\$	1	Ę i		1		1
	t	ŀ	t i	İ	ĺ	İ	į .
% Recovery	1			1	1	1	1
	1	1			1	l	
Bromochlorometha n e	82	75	89		1		
(Acceptance Limits: 66-128%)	ŧ	1	,		1		
	1		1	 	1	l	l
	1		1		1	†	†
1-Chloro-3-Fluor o benzene	86	76	† 99		1	1	1
(Acceptance Limits: 60-108%)	ŧ	1	f		1	1	
	1		1		1	1	
		!	l †		1		
ChloroFluorobenzene(PID)	87	91	108		1		
(Acceptance Limits: 60-140%)	ŧ.		f		1		
	!				1		
]			l	1
l	1		[1		
		ļ				1	1
ľ	1	1	!		1	1	
	1	1	!		1	1	l
	ļ.	1	I	1	1	1	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Milat F. Ramo



LABORATORY REPORT

Job No: R94/01778

Date: MAY 26 1994

Client:

Sample(s) Reference

Ms. Lynette Mokry Blasland Bouck Engineers PC 6723 Towpath Road, Box 66

Moog Controls, Inc.

Syracuse, NY 13214

Received

: 05/18/94

P.O. #:

ANALYSIS * BY E	PA METI	0808 GO	Al	ANALYTICAL RESULTS - ug/kg Dry Wt.					
Sampl e: Locatio n:		-001 SED-1	-002 MC-4	-003 MC-3	1 -004 [MC-2	F -005 MC-1	-006 MC-5	-007 MC-8	
Date Collected: Time Collected:	PQL	 	 05/16/94 15:40	 05/16/ 94 16:20	 05/16/94 18:15	 05 /16 /94 18:00	 05 /17 /94 08:40	 05/17/94 10:05	
Date Extracted: Date Analyzed: Dilution:		05/19/94 05/19/94 1 	05/19/94 05/19/94 1 	05/19 /94 05/19 /94 1 	05/19/94 05/19/94 1 1	05/19/94 05/19/94 1 1	{05/19 /94 {05/19 / 94 {15/19/94	(05/19/94 (05/19/94 (1) (1)	
PCB 1016		 320 U 	 300 U	 300 U 	 290 U	 300 U	 280 U	 300 U	
PCB 1221	25 0	320 U	300 U	 300 U	290 U	300 U	1 280 U	300 U	
PCB 1232	25 0	320 U	300 U	 300 U	 290 U	300 U	 280 U	 300 U	
PCB 1242	25 0	 320 U	300 U	 300 U	 290 U	1 [300 U	 280 U	 300 U	
PCB 1248		 320 U	 300 U	 300 U	 290 U	 300 U	 280 U	 300 U	
PCB 1254	250	 320 U	 300 U	 300 U	 290 U	 300 U	 280 U	[300 U	
PCB 1260		 320 U 	 300 U 	 300 U 	 290 U 	 300 U 	 280 U	 300 U	
Surrogate Stan d ar d Rec ov ery		; 	 	i 					
Tetrachloro-met a- xyl en e (Acceptance L i mi ts: 60- 150%)		106	107 1	107 	108	1 108	 110 	 108 	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317 NY ID# in Hackensack: 10801

Andrew Andrew Commencer Co



LABORATORY REPORT

Job No: R94/01778

Date: MAY 26 1994

Client:

Sample(s) Reference

Ms. Lynette Mokry Blasland Bouck Engineers PC 6723 Towpath Road, Box 66

Moog Controls, Inc.

Syracuse, NY 13214

Received

: 05/18/94

P.O. #:

ANALYSIS * BY E	PA METH	0808 GOI	AN	ALYTICAL	RESULT	S - ug/k	g Dry Wt.
Sample:		‡ - 008	-009	-020		1	1
Location:		INC-7	SED-2	LAB	ŀ	1	
				BLANK	1	1	
Date Collected:		‡05/ 17/94	05/17/94	1 1	1	į	
Time Collected:	PQL	†11: 15	NA		1	1	İ
Date Extracted:	.	=======================================	05/1 9/ 94	05/19/94	======================================	;==========; }	
Date Analyzed:	İ	ì	05/19/94	05/19/94	į	1	I I
Dilution:	i	i	11	in i		1 	I I
	İ	i	i	iii	i	i	
	İ	i	į	i i	i	į	
	!	1	1	i i	j	i	i
PCB 1016	25 0	1	460 U	250 U	i	i	İ
			1	1 i	į	i	İ
PCB 1221	250	1	460 U	250 U	i	į	· I
		1	1	1 1	i	i	i
PCB 1232	250	1	460 U	250 U	i	į	İ
		1	1	1	i	į	İ
PCB 1242	250	1	460 U	250 U	1	ĺ	j
	1	1	1		i	i	ĺ
PCB 1248	250	1	460 U	250 U	1	1	İ
	1	1	1	1 1	1	1	ļ
PCB 1254	250	1	460 U	250 U	1	1	Ì
			1	1	1	I	İ
PCB 1260	250	1	460 U	250 U	l	į.	
		1	1	1 1		i	j
		1	1		ı	ĺ	İ
Surrogate Standard Recovery	1	ŧ	†	1 1	ĺ	i	İ
•	1	†	†	1	1	ĺ	
Tetrachloro-met a- xyl en e	1	‡	‡ 109	105	ĺ	ĺ	
(Acceptance Limits: 60-150%)		1	1	1	ĺ	i	
	1		1	1 1	İ	į	i

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317 NY ID# in Hackensack: 10801



LABORATORY REPORT

Job No: R94/01778

Date: MAY 26 1994

Client:

Sample(s) Reference:

Ms. Lynette Mokry
Blasland Bouck Engineers PC
6723 Towpath Road, Box 66
Syracuse, NY 13214

Moog Controls, Inc.

Received

: 05/18/94

P.O. #:

METHOD 310-1	.3		AN	ALYTICA	L RESUL	TS - ug	/kg Drv	Wt.
Sample:	1	-001	-002	-003	-004	i -005	-006	-007
Location:		SED-1	MC-4	MC-3	HC-2	MC-1	MC-5	MC-8
Date Collected:		 - 05/ 16/94	 05/16/94	 05/16/94	 05 /16/94	 05/16/94	 05/17/94	 05/17/94
Time Collected:	PQL	114:15	15:40	16:20	18:15	18:00	08:40	10:05
Petroleum Hydr ocar bon s, GC		;======= }			=======================================	=======================================	######################################	**************************************
Date Extracted:		 05/ 19/94	05/19/94	05/19/94	05/19/94	 05/19/94	 05/19/94	1 05/19/94
Date Analyzed:	i	05/19/94	05/19/94	05/19/94	05/19/94	05/19/94	05/19/94	05/19/94
Dilution:	į	1 1	1	1	1	1	1 1	1
	1	1		1	1	1	1	
as n-D∞decane	2000	2500 U	2400 U	2400 U	2300 U	į	2200 U	2400 U
		1	1	1	1	l I	[]	
Fuel Dil #2/D i e se l				1		71000	1	į
raet oft #2/ofeset	1	i I	1	1		71000		
		1	1	1	1	1	1	1
	Ì		i	1		1	1	1
	Ì	İ	i	i				,
	1			1		j	i	j
		!	!	1				
			1					1
	1	1	1				1	1

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NJ ID# in Rochester: 73331 NJ ID# in Hackensack: **02**317 NY ID# in Hackensack: **10**801

Miller Comments



LABORATORY REPORT

Job No: R94/01778

Date: MAY 26 1994

Client:

Sample(s) Reference:

Ms. Lynette Mokry
Blasland Bouck Engineers PC
6723 Towpath Road, Box 66
Syracuse, NY 13214

Moog Controls, Inc.

Received

: 05/18/94

P.O. #:

METHOD 310-13	METHOD 310-13				RESULT	s - ug/	kg Dry	Wt.
Sample:		-008	-009	-020	1		1	1
Location:		INC-7	SED-2	LAB			i	İ
	į.	ĺ	l	BLANK			i	İ
Date Collected:		05/17/94	05/17/94				İ	i
Time Collected:	POL	11:15	NA .	!	ĺ		1	İ
Petroleum Hydrocarbons, GC			 		 	:=======		=======================================
	İ	1		ţ	l 1			1
Date Extracte d:	1	05/19/94	05/19/94	05/19/94	•		į	1
Date Analyzed:	1	05/19/94	05/20/94	05/19/94	,		Ī	1
Dilution:	1	j 1	1	1	1		1	1
		ļ.		1	i I			1
as n-Dodecane	 2000	 ‡2400 U	 3700 U	[2000 u −	 		 	
	1	l		!	! [1
	<u> </u>]	1	İ	i I			
	1		1	!]			
Fuel Oil #2/D iese l	1	į.	1	ļ	! !		!	ŀ
	1			!	[[ļ	ļ
	1	!	1	!			ļ	ļ
	1	1	1	1	1			
	1		1	1				ļ
	1	1	1		†			
	1	1		1			1	
	1	1	1	1				ļ
	1	1		I	ļ .			1

Unitess otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317 NY ID# in Hackensack: 10801

Maria Company



LABORATORY REPORT

Job No: R94/01778

Date: MAY 26 1994

Client:

Sample(s) Reference

Ms. Lynette Mokry
Blasland Bouck Engineers PC
6723 Towpath Road, Box 66
Syracuse, NY 13214

Moog Controls, Inc.

Received

: 05/18/94

P.O. #:

ANALYSIS * BY GC	IMAIIOD	3010/0	J & U	AUVE	TILLICAL	KESULT	S - ug/:	.
Sample: tocation:		1 -011 sw-1	-012 MC-3	-013 MC-2	-014 MC-5	-015 MC-8	-016 MC-7	-017 SW-2
Date Collected:	1	_ 10 5/16/94	 05/16/94	[05/16 /94	 105 /16/94	 05/16/94	 05/17 /9 4	 05/17/94
Time Collected:	POL	14:15	16:20	18:25	08:45	10:05	11:20	13:00
Date Analyzed:	:======: 	05/24/94	05/25/94	05/25/94	05/25/94	05/24/94	05/24 /94	105/24/94
Dilution:		1	1	50	11	11	[1]1
Chloromethane	5.0	† 5.0 U	5.0 U	(250 U	5.0 ບ	5.0 U	5.0 U	5.0 U
Bromomethane	5.0	\$ 5.0 U	5.0 U	(250 U	5.0 U	5.0 U	5.0 U	์ 5.0 บ
Vinyt Chloride	2.0	1 2.0 U	2.0 U	100 U	2.0 U	2.0 U	j 2.0 U	2.0 U
Chloroethane	0.5	‡ 2.0 U	1 2.0 U	1 00 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	1.0	1.0 U	1.0 U	(50 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluor omet han e	1.0	ຸ 1.0 ປ	1.0 ບ	110	1.0 U	່ 1.0 ປ	j 1.0 U	1.0 0
1,1-Dichloroethe ne	1.0	1.0 U	1.0 U	(50 U	1.0 U	1.0 U	i 1.0 U	1.0 U
1,1-Dichloroethane	1.0	1.0 U	28	1300	1.0 U	1.1	i 1.0 U	j 1.0 U
Total 1,2-Dichloroethene	1.0	1.0 U	1.0 U	1600	j 1.0 U	1.0 U	1.0 U	j 1.0 U
Chloroform	1.8	1.0 U	1.0 U	\$ 50 U	1.0 U	1.0 U	1.0 U	j 1.0 U
1,2-Dichloroethane	1.0	1.0 U	1.0 U	\$ 50 U	1.0 U	່ 1.0 ບ	i 1.0 U	1.0 U
1,1,1-Trichloroethane	1.0	1.0 0	73	\$ 2600	1.0 U	i i 1.0 u	1 1.0 U	1.0 U
Carbon Tetrachloride	1.0	1.0 0	1.0 U	(50 U	i i 1.0 u	i 1.0 U	i 1.0 U	1.0 U
Bromodichloromethane	1.0	1.00	1.0 U	, 50 U	1.0 ປ	i 1.0 U	1.0 U	່ 1.0 ປ
1,2-Dichloropropane	1.0	1.0 U	1.0 U	, 50 U	1.0 U	1.0 U	1.0 U	i 1.0 U
1,3-Dichloropropene-Trans	2.0	2.0 U	i 2.0 U	100 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichloroethene	1.0	1.0 U	່ 1.0 ບ	\$ 3500	1.0 U	່ 1.0 ບ	1.0 U	່ 1.0 ບ
1,3-Dichtoropropene (Cis)	1.0	1.0 U	1.0 U	, 50 U	່ 1.0 ບ	i 1.0 U	i 1.0 U	ט 1.0
Dibromochloromethane	2.0	2.0 U	2.0 U	, 100 U	່ 2.0 ບ	1 2.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	2.0	1 2.0 U	2.0 U	ໂ 100 ປ	2.0 U	1 2.0 U	2.0 U	2.0 U
2-Chioroethylvinyl Ether	2.8	2.0 U.	עט 2.0 ען	100 UJ	2.0 UJ	2.0 UJ	1 2.0 UJ	2.0 U
Bromoform	2.0	4.3	່ 2.0 ບ	, 100 U	2.0 U	2.0 U	1 2.0 U	2.0 U
1,1,2,2-Tetrachloroethane	2.0	2.0 0	2.0 U	100 U	2.0 U	2.0 U	1 2.0 U	2.0 U
Tetrachloroethene	1.0	1.0 U	1.0 ບ	3400	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	2.0	2.0 U	2.0 U	100 U	2.0 U	1 2.0 U	1 2.0 U	1 2.0 U
1,3-Dichtorobenzene	2.0	2.0 U	2.0 U	100 U	2.0 U	1 2.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	2.0	2.0 U	2.0 ປ	100 U	2.0 U	2.0 U	2.0 U	2.0 U
1,4-Dichtorobenzene	2.0	2.0 U	2.0 U	100 U	2.0 U	2.0 U	2.0 U	2.0 U
Benzene	2.0	2.0 U	2.0 U	100 U	2.0 U	2.0 U	2.0 U	2.0 U
Toluene	2.6	2.0 U	2.0 U	100 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethylbenzene	2.0	2.0 U	2.0 U	100 U	2.0 U	2.0 U	2.0 U	2.0 U
Total Xylene (o,m,p)	2.0	2.0 U	2.0 U	100 U	2.0 U	2.0 U	2.0 U	2.0 U
Freen 113	2.0	2.0 U	2.0	3500	2.0 U	2.0 U	2.0 U	2.0 U
Dichtorofluoroethane	2.0	2.0 U	2.0 U	100 U	2.0 U	2.0 U	2.0 U] 2.0 U



LABORATORY REPORT

Job No: R94/01778

Date: MAY 26 1994

Client:

Sample(s) Reference:

Ms. Lynette Mokry
Blasland Bouck Engineers PC
6723 Towpath Road, Box 66

Moog Controls, Inc.

Syracuse, NY 13214

Received

: 05/18/94

P.O. #:

ANALYSIS * BY GC	METHOD	8010/8020 ANALYTICAL RESULTS -					- 8	8	
Sample:		-011			•	-015	-016	-017	
Location:		įsw-1	MC-3	MC-2	MC-5	MC-8	MC-7	SW-2	
Date Collected:		1 †05/ 16/94	 05/1 6 /94	 05/16/ 94	05/16/94	 05/16/94	 05/17/94	05/17/94	
Time Collected:		14:15				•		13:00	
=======================================	:======= 	======================================	:======== 	========= 	33355555555555555555555555555555555555	irrezossobe: 	***************************************		
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				[
SURROGATE STANDARD RECOVERIES		ļ ķ		! !	 		 		
% Recovery	 			1	 	 			
Bromochlorometh an e	 60-138% 	 72 	 83 	 } 97 	 93 	 89 	 78 	111	
1-Chloro-3-Fluo ro ben ze ne	 60-121%	 76	 86	 	 ! 101	 84	 73	100	
						04	73	100	
	 	1	l I		 -				
ChloroFluorobenzene(PID)	60-140X	82	96	110	106	97	86	111	
	 		 	1					
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Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317 NY ID# in Hackensack: 10801

Michael F. 100



LABORATORY REPORT

Job No: R94/01778

Date: MAY 26 1994

Client:

Sample(s) Reference

Ms. Lynette Mokry
Blasland Bouck Engineers PC
6723 Towpath Road, Box 66
Syracuse, NY 13214

Moog Controls, Inc.

Received

: 05/18/94

ANALYSIS * BY GC	METHOD	8010/80	020	ANA	LYTICAL	RESULTS	- ug/l
Sample: Location:		-018 FIELD BLANK	-019 TRIP BLANK	-021 LAB METH BLANK	-022 LAB METH BLANK		
Date Collected:	1	{05/17/94	 05/17/94		·	1	
Time Collected:	POL	111:40	NA	j	j	İ	1
::::::::::::::::::::::::::::::::::::::		105/24/94	05/24/94	05/24/94			:=====================================
Dilution: :	•	1	į 1	j1	1	İ	
Chloromethane	5.0	5.0 U	5.0 U	5.0 U	5.0 U	İ	İ
Bromomethane	5.0	5.0 U	, 5.0 U	1 5.0 ປ	5.0 U	i	İ
Vinyl Chloride	2.0	2.0 U	2.0 U	2.0 U	2.0 U	İ	i İ
Chloroethane	2.0	2.0 U	2.0 U	2.0 U	2.0 U	1	1
Methylene Chlori de	1.0	1.0 U	1.0 U	1.0 U	j 1.0 u	1	1
Trichlorofluoromethame	1.0	1.00	1.0 U	1.0 U	j 1.0 U	1	Ì
1,1-Dichloroethene	1.0	1.8 U	j 1.0 U	1.0 U	1.0 U	1	Ì
1,1-Dichloroethame	1.0	1.0 U	j 1.0 U	1.0 U	1.0 U	İ	
Total 1,2-Dichloroethene	1.0	1.0 8	. 1.0 ∪	1.0 U	1.0 U	İ	i i
Chloroform	1.0	1.0 U	i 1.0 U	1.0 U	1.0 U	İ	i i
1,2-Dichloroetha ne	1.0	1.8 U	1.0 U	1.0 U	1.0 U	İ	Ì
1,1,1-Trichloroethane	1.0	1.8 0	1.0 U	1.0 U	1.0 U	i	i i
Carbon Tetrachloride	1.0	1.0 U	1.0 U	1.00	1 1.0 U	i	
Bromodichloromethane	1.0	1.0 U	1.0 U	1 1.0 U	1.0 U	i	
1,2-Dichloropropane	1.0	1.00	1.0 U	1.0 U	1.0 U	i	
1,3-Dichloropropene-Trans	2,0	1 2.0 U	2.0 U	1 2.0 U	2.0 U	i	İ
Trichtoroethene	1.0	1.0 U	1.0 U	1.00	1.0 U	i	
1,3-Dichloropropene (Cis)	1.0	1.80	i 1.0 U	1 1.0 U	1.0 U	i	
Dibromochloromethane	2.0	2.0 U	2.0 U	1 2.0 U	2.0 U	1	
1,1,2-Trichloroethane	2.0	1 2.0 U	2.0 U	1 2.0 U	2.0 U	1	' '
2-Chloroethylvinyl Ether	2.0	1 2.0 U	2.0 UJ	1 2.0 UJ	2.0 U	1	1 1
Bromoform	2.0	2.0 U	1 2.0 U	1 2.0 U	2.0 U	1	1 1 1
1,1,2,2-Tetrachloroethane	2.0	2.0 U	1 2.0 U	1 2.0 U	2.0 U	, 	i I I
Tetrachloroethene	1.0	1.0 U	1 1.0 U	1.0 U	1.0 U)
Chlorobenzene	2.0	2.0 U	2.0 U	1 2.0 U	2.0 U	i I	1 1
1,3-Dichlorobenzene	2.0	2.0 U	2.0 U	1 2.0 U	1 2.0 U		i i
1,2-Dichlorobenzene	2.0	2.0 U	2.0 U	1 2.0 U	2.0 U	1	
1,4-Dichtorobenzene	2.0	2.0 U	2.0 U	1 2.0 U	1 2.0 U	i	
Benzene	2.0	2.0 U	2.0 U	1 2.0 U	2.0 U	1	
	2.0	2.0 U	2.0 U	1 2.0 U	2.0 U	1	i
Toluene	2.0	2.0 U	2.0 U	1 2.0 U	2.0 U	1	I I
Ethylbenzene	•	2.0 U	2.0 U		2.0 U	!	1
Total Xylene (o,m,p)	2.0	2.0 U	2.0 U	1 2.0 U	•	J I	1 1 1
Freon 113	2.0	•	•	1 2.0 U	2.0 U	1	1 1
Dichlorofluor oeth ane	2.0	1 2.0 U	2.0 U	į 2.0 U	2.0 U	1	ı l



LABORATORY REPORT

Job No: R94/01778

Date: MAY 26 1994

Client:

Sample(s) Reference:

Ms. Lynette Mokry
Blasland Bouck Engineers PC
6723 Towpath Road, Box 66
Syracuse, NY 13214

Moog Controls, Inc.

Received

: 05/18/94

P.O. #:

ANALYSIS * BY GC	METHOD	8010/80:	20	ANAI	YTTCAL	RESULTS	- %	
Sample:			-019		-022	1		
Location:			TRIP BLANK	•	LAB METH			
		BLANK		•	BLANK	, İ i	i	
Date Collected:	1	05/17/94	05/17/94	*	j	i		
Time Collected:	LIMITS	11:40	NA] - -		i İ i		
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	1	<u> </u>			I	l i	ĺ	
SURROGATE STANDARD RECOVERIES	\$	<u>†</u>	l	Į	1			
	<u>†</u>	†			1	l		
% Recovery	1				1			
0	(0 470)	1 70			1			
Bromochlorome tham e	60-138%	70	79	99	94			
	1					!		
	1	1						
1-Chloro-3-Fl u or o be nze ne	69-121%	 71	l 176]		
r-chtoro-3-Ftuorobenzene	1 00-121%	1	7 70	1 10	98			
	1	1	l i	 		!		
	l I	1	l I	ļ 1	1	i l		
ChloroFluorob e n zen e(PI D)	60-140%	1 80	l 85	l } 114	! 115]		
Circol of Cubi oberizer a (4 15)	1 00 1404	1	1	;	1 113	 		
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Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NJ ID# in Rochester: 73331 NJ ID# in Hackensack: **023**17 NY ID# in Hackensack: **108**01

Michael F. Roman



LABORATORY REPORT

Job No: R94/01778

Date: MAY 26 1994

Client:

Sample(s) Reference:

Ms. Lynette Mokry Blasland Bouck Engineers PC 6723 Towpath Road, Box 66

Moog Controls, Inc.

Syracuse, NY 13214

Received

: 05/18/94

P.O. #:

METHOD 310-13			AN	ALYTICA	L RESUL	TS - ug	/1	
Sample:	1	-011	-012	-013	-014	-015	-016	-017
Location:	1	jsw-1	MC-3	MC-2	MC-5	MC-8	MC-7	SW-2
}	1			1	1	1	1	1
Date Collected:	•	05/16/94	05/16/94	05/16/94	185/16/94	105/16/94	05/17/94	105/17/94
Time Collected:	PQL	14:15	16:20	18:25	08:45	10:05	11:20	13:00
Petroleum Hydr ocar bo ns, GC	======================================			• * ====================================		 	=======================================	
Date Extracted:	↓ }	 ! 05/1 9/94	 	1	 		 05/1 9 /94	 05/19/94
Date Analyzed:	i	05/19/94	' 	i	1	i	05/19/94	05/19/94
Dilution:	i	i 1	İ	i	i	i	1 1	1 1
	İ	İ	i	i	İ	i		1
	1	1	1	1		İ		İ
as n-Dodecane	20	\$ 20 U	1	1	1	1	20 U	20 U
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Fuel Oil #2/D i e se l		}		}		1	!	1
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Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317 NY ID# in Hackensack: 10801

NA MARIA POR PROMISE



LABORATORY REPORT

Job No: R94/01778

Date: MAY 26 1994

Client:

Sample(s) Reference:

Ms. Lynette Mokry Blasland Bouck Engineers PC 6723 Towpath Road, Box 66

Moog Controls, Inc.

Syracuse, NY 13214

Received

: 05/18/94

P.O. #:

METHOD 310-13		•	AN	ALYTICAI	L RESULT	S - ug/	1	
Sample:		-018		-021				I
Location:	ţ.	FIELD	TRIP BLANK	LAB				İ
	1	BLANK	I	BLANK	! 1			ĺ
Date Collected:		05/17/94	05/17/94	 	1			Ì
Time Collected:	POL	111:40	NA	ļ	1			
Petroleum Hydrocarbons, GC	 	======================================	======================================	======================================	======================================	=======================================	======================================	
Date Extracted:	! !	j 05/19/94	! 	1 05/19/94	} 			1
Date Analyzed:	İ	05/19/94	i	05/19/94	, i	i	<u> </u>	1
Dilution:	İ	1	i	j 1	i i			1
]		1	ĺ	İ	;		į
as n-Dodecane	 20 	1 2 0 U 	 	 20 U 			} 	!
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Fuel Oil #2/D i es e l	ļ	1	1	! 	1 I		 	!
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Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317 NY ID# in Hackensack: 10801

Million I have

	GENERAL TES	TING COP	PORATION /	CHAIN-OF	-custor	Y RECC	ORD	R94	117
710 Exchange St. Rochester, NY 146	1201 E. Fayette S Syracuse, NY 132	t. 85 Trin 10 Hacker	ity Place Isack, NJ 07601		ice Bell Dr. Y 14221-707		C Job. No ent Project	No. 307.	
	ion & Shipping Inform								
	Site Moo G	Controis	inc.						
Address_	300 Jamiso Street	n Rd,	Fast Hun	ora	₩y State			14052	
Collector					State	n <i>etto G</i>	met	Zip	
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Sample(s) Rece	ived in Laboratory by					<u> </u>	118 84	(@ St 3	<u>3a</u>
Client I.D. #	Sample Location	<u> </u>	Analyte	or	Sample (Prep i	Bottle	e Set(s)	
Lab#	Date/Time	* *	Analyte Analyte Group(s (see below for a) Required (fadditional)	reserved	Filtered		below)	-
	_		SC10/2010	t					
	SED-1	\ \frac{1}{2}	VOCS FTEEN	s, PCBs	/./		10		1
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	MC-3	15	Z 1				10		3
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-003	5 /16/94 1/6	20	rs .						
	100 A								č
: - 	mc-2	5	* 1				/ \(\)		
-004	5/16/94:18	15	• 1						
-604		~							- 120
!	mc - 1	9	4 1	ļ			10		Wer.
, v . v. v.						+++			
-005	5/6/74 18	CC	/1						
	ndicating type bottles	used in eac	h hottle set and	fill in hox wi	th # of bott	es used fo	or each tur	20	
									
Bottle No.	1 2 40 ml Pint	3 Qt. 4	4 5 oz. 8 oz.	6 16 oz.	7	8	9	10	11
Bottle Type			astic Plastic	Plastic	Qt. Pl.	Gal. Pl.	Steril.	402.	
# of each		:			!		,	3	
<u> </u>							<u>_</u>		
dditional Analytes	Freen	113	and di	chloroffe	woelle	ani			
2				t					
		<u> </u>							
	Lab use only; bottom								
	Monitoring Well (W), S							lous Waste	÷ (H)
	R iv er or Stream (R), F	Pond (P). In	dustriat Dischar	ge (i),		(X},	 		_(Y)

710 Exchange St. Rochester, NY 1460	1201 E. Fayette St. 8 Syracuse, NY 13210	85 Tri Hacke	inity Place ensack, NJ	07601	435 Lawrer Amherst, N	nce Bell Dr.	DY REC Gi 177 Cl	TC Job. N	to. <u>R94</u>	177 .15 (
	n & Shipping Information						_			
Collection S	ite mos Ca	strol	's Inc							
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	pared by Client via	-6J	7	!	Rec'd by	<u>Clien</u>	<u> </u>			
	oped to Client via	1 6	lick		Seal/Shipp Seal/Shipp			<u></u>		
		<u> </u>	^			-			<u>-</u>	
Sample(s) Relingi	uished by:	71	/		ceived by				Date/	<u> //Tim</u>
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for 2. Sign				2	for Sign					<u>:</u> ,
for				<u> </u>	for	W-2.			/	. /
3. Sign				3.	Sign					· /
for					for					:
Sample(s) Receiv	ed in Laboratory by				1	<u> </u>		51/8/1	94 @ b9:	:37
Client I.D. #	Sample Location	4	Analyte	Analyte o	Penuradi	Sample Preserved Y N	Prep	Bot	ttle Set(s)	
Lab#	Date/Time	<u> </u>	(see bei	ow for ac	ditional)	YN	Y WEIGO	(se	e below)	
	me-5		10/01	s / a	ţ		-	15		
		<u> </u>	VOCs,	AUTO U	I + Greats,			10		
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	mp-8	5		l,				10		
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-007	5/17/94:1005	<u> </u>		1,						
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2		<u> </u>			· · · · · · · · · · · · · · · · · · ·					
e Bottle No. for Ind	licating type bottles used	ın ea	ach dolle	set and t	W XOG RI IB	ith # of bot	ties used	for each	type.	
Bottle No.	1 2 3		4	5	6	7	8	9	10	Ì
	10 ml Pint Qt.		4 oz.	8 oz.	16 oz.	Qt.	Gal.	Steril.	4 02	Į Į
	Vial Glass Glas	S I	Plastic	Plastic	Plastic	Pl.	Pt.	Pl.	G1453	ļ <u> </u>
# of each									3	
				, -		<u>_</u>		<u>'</u>	1	<u>. </u>
dditional Analytes _	- trean 113		and	die	Morel	wird	11.			
-										
Chadad 4- 1	ab use only: bottom cop		aliant		E					

Str. Collector Print Bottles Prepared by Bottles Shipped to C Samples Shipped vi Sample(s) Relinquished by 1. Sign for 2. Sign for 3. Sign for Sample(s) Received in La Client I.D. # Sample Di Lab # Di 1. Sign Sign for Sample Sign Sign for Sample Sign Sign Sign Sign Sign Sign Sign Sign	reet prette int Client via y: Charles Client via	ontirels on 20 City 3. IMC CTC Clinto edonal Exp	KILY 1000	Rec'd by_ Seal/Shippi	State Lur ing #	Sign	2 Truck ature		3 _
Address Str Collector Pri Bottles Prepared by Bottles Shipped to C Sample (s) Relinquished by 1. Sign for 2. Sign for 3. Sign for Sample(s) Received in La Client I.D. # Sample Lab # Do	reet Int Client via Fe Y: Charles Contains Client via Fe Contains	City 3. 140	KILY 1000	Rec'd bySeal/Shippi Seal/Shippi Received by: Sign for Sign for Sign	State Lur ing #	<u>nt</u>	2 Truck ature	Zip	
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se	Bottle No. for in	dicating type bottles use	d in ea	ach bottle set and	w xod ni lilit i	ith # of bottle	es used t	for each typ	oe.	
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				må dild	المسم	29/			. <u> </u>	
.1 12	tionai Analytes_									

Source Codes: Monitoring Well (W), Soil (S). Treatment Plant (T), Drinking Water (D). Leachate (L), Hazardous Waste (H). River or Stream (R), Pond (P), Industrial Discharge (I), Frank Water (X), (X), (Y).

710 Exchange St. Rochester, NY 146	1201 E. Fayette St. 08 Syracuse, NY 1321	85 Trinity Hackensa	ck, NJ 07601	Amherst, N	Y 14221-7077	r Cli	ient Projed	ct No. <u>-3</u> 	<u>~7.1</u>
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ditional Analytes	Fren 11?	<u> </u>	0	1 1 1	, 7				
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Source Codes: Monitoring Welf (W). Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H). River or Stream (R), Pond (P), Industrial Discharge (I), Corondal (X), (Y).

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River or Stream (R), Pond (P), Industrial Discharge (I), _____(X), ____(Y).

Bottles Prepare Bottles Shipped Samples Shipp Sample(s) Relinquish 1. Sign for 2. Sign for 3. Sign for Client I.D. # Lab #	& Shipping Information Street Lipelle Print ed by d to Client via bed by:	on outre	City Analyte Gregorian	Receive 1. Sign for 2. Sign for alyte or pup(s) Required	St St St Shipping # Shipping # ed by:	ate S	ignature Bott (se	2ip	
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GENERAL TESTING CORPORATION / CHAIN-OF-CUSTODY RECORD GTC Job. No. 85 Trinity Place 710 Exchange St. 1201 E. Favette St. 435 Lawrence Bell Dr. Client Project No. 303. 15 Rochester, NY 14608 Syracuse, NY 13210 Hackensack, NJ 07601 Amherst, NY 14221-7077 Sample Origination & Shipping Information Collection Site Mode / Address -00 Timeson . C. Eugl Haroca 11.7 Street State Zin LUNVITU Collector Signature Bottles Prepared by Rec'd by Bottles Shipped to Client via Seal/Shipping # Samples Shipped via Seal/Shipping # Sample(s) Relinquished by: Received by: Date//Time 1. Sign 1. Sian for for 2. Sign 2. Sign for for 3. Sign 3. Sign for for Sample(s) Received in Laboratory by Analyte or Sample Prep Analyte Group(s) Required Preserved Filtered (see below for additional) Y N Y N Client I.D. # Sample Location Bottle Set(s) Lab # Date/Time (see below) SW1 - 1 116/14 :14:15 5000 1-1C-3 VOCS ZOUMOLO 5/16/94:1620 3 5 14/190 - 1005 Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type. 1 2 3 4 5 6 Bottle No. 8 10 11 Pint Qt. 4 oz. 40 ml 8 oz. 16 oz. Qt. Gal. Steril. 4 Bottle Type **Plastic** Plastic **Plastic** Glass Glass Vial PΙ PI. 10155 # of each Forma 13 months 1 Colorellary Thank Additional Analytes Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

Source Codes: Monitoring Well (W), Soil (S). Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (t), *** (X), (X), (Y).

Sample Origination Collection Saddress	on & Chinning Inform							lient Projec	,, , ,	
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Unaueu area iur l	nonitoring Well (W). So	Apply (U)		VILLIANTI O	o sample	s per page.				



JUNE 8 1994

Ms. Lynette Mokry
Blasland & Bouck Engineers, P.C.
6723 Towpath Rd., Box 66
Syracuse, NY 13214-0066

Re: Moog Controls Inc.

Dear Ms. Lynette Mokry

Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 06/07/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger

Customer Service Representative

Enc.



Effective 10/1/91

GTC LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.

 The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A This flag indicates that a TIC is a suspected aldolcondensation product.
- N Spiked sample recovery not within control limits. (Flag the entire batch - Inorganic analytes only)
- * Duplicate analysis not within control limits.

 (Flag the entire batch Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



LABORATORY REPORT

Job No: R94/02069

Date: JUNE 8 1994

Client:

Sample(s) Reference

Ms. Lynette Mokry

Blasland & Bouck Engineers, P.C. Moog Controls Inc.

6723 Towpath Rd., Box 66 Syracuse, NY 13214-0066

Received

: 06/06/94

		06/06/		P.0.	u •		
ANALYSIS * BY GC	METHOD	8010/80	20	ANALYTICAL	RESULTS	- ug/l	
Sample:		-001	-002	1	1	1	Ì
Location:		MW-5	LAB METH	i	Ė	! !	! !
		MOOG	BLANK	İ	T I	i I	
Date Collected:	I	06/03/94	1	,		l I	
Time Collected:) POL	17:15	i i	1	1	! 	
			' :=========) ===========
Date Analyzed:	1	06/06/94	06/06/94	,	1	I	
Chloromethane	5	5.0 U	j 5.0 U j	i	i	i I	
Bromomethane	5	5.0 U	5.0 U	į	İ	i İ	
Vinyl Chlorid e	2	2.0 U	2.0 U	i	İ	İ	
Chloroethane	2	≬ 2.0 U	2.0 U	į	į	İ	
Methylene Chl orid e	1	1.0 U	1.0 U				
Trichlorofluo rome tha ne	1	1.0 ບ	1.0 U		1	1	
1,1-Dichloroeth ene	1	1.0 U	1.0 U				
1,1-Dichloroe t h an e	1	1.0 U	1.0 U				
Total 1,2-Dichloroethene	1	1.0 ម	∮ 1.0 U				
Chloroform	1	1.0 U	1.0 U	Ì	İ		
1,2-Dichloroe t h ane	1	1.0 U	1.0 U		l	1	
1,1,1-Trichloroethane	1	1.0 U	1.0 0	İ	ĺ		
Carbon Tetrachl or ide	1	1.0 U	1.0 U	į	i		
Bromodichlorome th ane	1	1.00	1.0 0	į	i		
1,2-Dichlorop ropan e	1	1.0 U	j 1.0 u j	i	i	i	
1,3-Dichloropropene-Trans	2	2.0 U	2.0 U	i	i	1	
Trichloroethe n e	1	1.0 U	1.0 U	i	i	i İ	
1,3-Dichlorop ropen e (Cis)	1	1.0 0	1.0 U	İ	i		
Dibromochloro meth ane	2	2.0 0	2.0 U	i	İ	I	
1,1,2-Trichloroethane	2	2.0 U	2.0 U	i	i	I	
2-Chloroethylvinyl Ether	2	2.0 UJ	2.0 UJ	i	İ	İ	
Bromoform	2	2.0 U	2.0 U	į	Í	I	
1,1,2,2-Tetra c hl or oe th ane	2	2.0 U	2.0 U	İ	İ	I	
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1,3-Dichlorobenzene	2	2.0 U	2.0 U	İ	İ		
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1,4-Dichlorobenzene	2	2.0 U	2.0 U	i	i	i i	'
Benzene	2	2.0 U	2.0 U	İ	i	i	
Toluene	2	2.0 U	2.0 U	İ	i	I	'
Ethylbenzene	2	2.0 U	2.0 U	į	i	, 	!
Total Xylene (o,m,p)	2	2.4	2.0 U	, I	i		'
Freon 113	2	2.0 U	2.0 U	,	j	, 	!
Dichlorofluor o e th ane	2	2.00	2.0 U	i	i	İ	!
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Total Volatil e s	i	2.40	ND	į	i	i	,



LABORATORY REPORT
Job No: R94/02069 Date: JUNE 8 1994

Client:

Sample(s) Reference:

Ms. Lynette Mokry

Blasland & Bouck Engineers, P.C.

6723 Towpath Rd., Box 66 Syracuse, NY 13214-0066 Moog Controls Inc.

Received

: 06/06/94

P.O. #:

ANALYSIS * BY GC N	METHOD	8010/80	20	ANAI	LYTICAL	RESULTS	- %	
Sample:		-001	-002	1	I	I	1	1
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ChloroFluorobenzene(PID)	60-140%	† 94	90	1	1			
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Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317 NY ID# in Hackensack: 10801

Michael F. Person

	GEN	NERAL T	ESTING	CO	RPOP	RATION /	CHAIN-C	F-CUS	STODY I	RECORD	733	
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se Bottle No. for in			es useo II	- eac	11 DOM	e set and	M XOG AL INI	vith # Of	bottles u	sed for each	n type.	
Bottle No.	1	2	3	- 	4	5	6	7	. 8	9	10	11
Bottle Type	40 m! V ial	Pint Glass	Qt. Glass		oz. astic	8 oz. Plastic	16 oz. Plastic	Qt. Pt.	Ga Pl			
# of each								ļ ' <u>-</u> '		' '		-
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ditional Analytes												
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	River or	Stream (R), Pond (f), In	dustria	at Dischard	, Drinking ae (1).	vvalet (ارر Leacr	nate (L), Ha: _(X),	zaroous W	/aste (H), (Y).
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Sample(s) Rec		in Laboratory	ру				<u> </u>				/ /	@ :	
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# of each													
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ditional Analyte	s	_											<u>-</u>
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Shaded area for	or L ab (use only; bott	от сору	for ci	lient: ma:	ximum o	f 5 sample	es per j	oage.				
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JUNE 16 1994

Ms. Lynette Mokry
Blasland & Bouck Engineers, P.C.
6723 Towpath Rd., Box 66
Syracuse, NY 13214-0066

Re: Moog Controls Inc

Dear Ms. Lynette Mokry

Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 06/13/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger

Customer Service Representative

Enc.



Effective 10/1/91

GTC LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A This flag indicates that a TIC is a suspected aldolcondensation product.
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- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



CASE NARRATIVE

COMPANY: Blasland & Bouck Engineers, PC Moog Controls Inc. JOB #: R94/02061

VOLATILE ORGANICS

BBE soil and water samples were analyzed for Priority Pollutant List of volatile organics plus Freon 113 and Dichlorofluoroethane by methods 8010/8020 from SW-846.

The initial and continuing calibration criteria were met for all analytes.

All surrogate standard recoveries were within acceptance limits for all samples.

All QC data associated with this analysis was acceptable.

All laboratory blanks were free of any contamination.

The Trip Blank and Equipment Blank (R94/02061-003 and 004) were free of contamination.

All samples were analyzed within the 7 day holding time as requested.

The sample MW-2 (R94/02061-005) was analyzed at a 1/50 dilution to bring target analytes within the calibration range of the method.

No other analytical or QC problems were encountered.

SEMIVOLATILE ORGANICS

BBE soil and water samples were analyzed for the TCL list of semivolatile organics using SW-846 method 8270.

All Tuning criteria for DFTPP were met.

The initial and continuing calibration criteria were met for all analytes.

The Base Neutral surrogate standard recovery for Terphenyl-d14 on sample MW-2 (R94/02061-005) was outside of QC limits and has been flagged with an "". All other surrogate standard recoveries were within QC limits.



No other analytical or QC problems were encountered.

BBE R94/02061 - page 2

MISC. ANALYSIS

BBE soil and water sample was analyzed for Petroleum Hydrocarbons using NYSDOH method 310-13.

Sample exhibited several hydrocarbon peaks however, the peak pattern did not match any standards therefore, it could not be positively identified and the sample was quantitated as Dodecane.

No analytical or QC problems were encountered with this analysis.

BBE soil sample was also analyzed for TOC using the Walkley Black titration.

No analytical or QC problems were encountered.



LABORATORY REPORT

Job No: R94/02061 Date: JUNE 16 1994

Client:

Ms. Lynette Mokry

Blasland & Bouck Engineers, P.C.

6723 Towpath Rd., Box 66 Syracuse, NY 13214-0066

Sample(s) Reference:

Moog Controls Inc

Received

: 06/06/94

P.O. #:

	•		Al	NALYTICA	L UN	ITS - As	Indica	ated	
		-001	-002	-006	1	į	1	I	
Location:		MW-2	MW-4	MW-5		ĺ	i	i	
		MOOG	MOOG	MOOG]	1	ĺ	
Date Collecte d:	11	106/03/94	06/02/94	06/03/94	1	1	1	İ	
Time Collecte d:	PQL	1114:10	13:30	15:10		1	ĺ	İ	
		2222222222		***********	======	=========		2# 0 022222200	
	11	11		1	1	l		1	
			1	1	1	1	1	1	1
Solids, %		89.7	75.2	89.2	1	Ī	ŧ	1	
	11	11	1		1	1	i	İ	
Total Organic Carb on , %	0.500	11 0.500 U	2.47	0.500 U	}	1	Ī	Ì	
	11	H	1		1		1	1	
	- 11	H	1		1		ĺ	Ì	- 1
	11	П			1	İ	i	į	
	11	11	1		1	İ	i	į	
	П	11			ĺ	i	i	į	
	Π	П	1		Ì	i	i	į	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317 NY ID# in Hackensack: 10801

Mital F. Pen



LABORATORY REPORT

Job No: R94/02061

Date: JUNE 16 1994

Client:

Sample(s) Reference

Ms. Lynette Mokry

Blasland & Bouck Engineers, P.C.

Moog Controls Inc

6723 Towpath Rd., Box 66 Syracuse, NY 13214-0066

Received

: 06/06/94

ANALYSIS * BY GC	METHOD	8010/8	02 0 A I	NALYTICA	L RESULT	rs - ug/kg Dry Wt	
Sample:		-001	-002	-006	-008	1	
Location:		MW-2	MW-4	MW-5	LAB	i i	
		MOOG	MOOG	MOOG	BLANK		
Date Collecte d:	1	06/03/94	06/02/94	06/03/94	 	i i	
Time Collecte d: 	PQL	14:10	13:30	15:10		i i	
Date Analyze d:		06/1 0/94	06/10/94	:======== 	06 /10/94	======================================	====
Dilution:	Ì	1 1	j 1	İ	1 1	i i i	
Chloromethan e	5	5.6 U	6.6 ∪	Ì	5.0 U		
Bromomethane	j 5	5.6 U	6.6 U	i	5.0 U		
Vinyl Chlori d e	2	2.2 U	2.7 U	i	2.0 U		
Chloroethane	2	2.2 U	2.7 U	i	2.0 U		
Methylene Chloride	1 1	1.10	1.3 U	i	Ι 1.0 υ		
Trichloroflu o rom et hane	1	1.10	1.3 U	i	1.0 U		
1,1-Dichloroetheme	1	1.10	1.3 U	i	1.0 U		
1,1-Dichloroethane	j 1	1.10	1.3 U	i	1.0 U		
Total 1,2-Dichloroethene	1	1.10	1.3 U	i	1.0 U		
Chloroform	1	i 1.1 U	1.3 U	i	1.0 U		
1,2-Dichloroethane	j 1	1.10	1.3 U	i	1.0 U		
1,1,1-Trichloroethane	1	1 1.1 U	1.3 U	i	1.0 U		
Carbon Tetrachloride	1	1.1 U	1.3 U	ì	1.0 U		
Bromodichloromethane	1 1	1 1.1 0	1.3 U	1	1.0 U		
1,2-Dichloropropane	1 1	1 1.1 U	1.3 U	ŀ	1.0 U		
1,3-Dichloropropene-Trans	2	2.2 U	1 2.7 U	1	1 2.0 U		
Trichloroethene	1 1	1 1.1 U	1.3 U	1	1.0 U		
1,3-Dichloropropene (Cis)	' 1	1.10	1.3 U	1	1.0 U		
Dibromochloromethane	'	1 2.2 U	2.7 U	1	1.0 U		
1,1,2-Trichloroethane	2	1 2.2 U	2.7 U	1	2.0 U		
2-Chloroethylvinyl Ether	2	1 2.2 UJ	2.7 UJ	I I	2.0 0		
Bromoform	2	2.2 U	2.7 U	1	•		
1,1,2,2-Tetrachloroethane	1 2	1 2.2 U	† 2.7 U	1	2.0 U		
Tetrachloroethene	2	1.1 U	2.7 U	1	2.0 U		
Chlorobenzene	'	i 2.2 U	1.3 U	1	1.0 U		
1,3-Dichlorobenzene	2	2.2 0	2.7 U	1	2.0 U		
1,2-Dichlorobenzene	2	2.2 0	•	1	2.0 U		
1,4-Dichtorobenzene	2	2.20	2.7 U 2.7 U	1	2.0 U		
Benzene	2		•	1	2.0 U		
Toluene	1 2	2.2 U	2.7 U	1	2.0 U		
Ethylbenzene	•	2.2 U	2.7 U	1	2.0 U		
•	2	2.2 U	2.7 U	!	2.0 U	i i I	
Total Xylene (o,m,p)	2	∤ 2.2 U	2.7 U		2.0 U		
Freon 113	2	2.2 U	2.7 U	!	2.0 U	i i i	
Dichlorofluoroethane Total Volatiles	2	2.2 U	2.7 U ND	. !	2.0 U ND		



LABORATORY REPORT

Job Number: R94/02061

Date: 16 JUNE, 1994

Client:

Sample(s) Reference:

Ms. Lynette Mokry

Blasland & Bouck Engineers, P.C. Moog Controls Inc

6723 Towpath Rd., Box 66 Syracuse, NY 13214-0066

Received

: 06/06/94

P.O. #:

ANALYSIS * BY GC	METHOD	8010/80	20	ANA	LYTICAL	RESULTS	&	
Sample:	-001	-002	-006	-008	1	ţ	I	1
Location:	HW-2	MW-4	MW-5	LAB		İ	İ	i l
	MOOG	MOOG	MOOG	BLANK			I	ĺ
	06/03/94	106/02/94	06/03/94	1	1	1	Ī	i
Time Collecte d:	14:10	113:30	15:10		1	ţ		
======================================	=========	33333 335555881	=======================================	=======================================	**********	=======================================	===========	==========
	1	1	[1	
	!	1						1
	1	1					<u> </u>	
SURROGATE STANDARD REC OVE RIES	 	1	 -	1	1			i
SOURCE STANDARD RELUVERIES	† }	1	† 	I I	1		1]
% Recovery	;	!	! 	i İ	1	I I	} 	! !
, i	İ	1	! !	! 	1] 	1 	
Bromochlorom e th an e	85	91		90	ì	i	1 1	
(Acceptance Limits: 66-128%)	i	į i		İ	ì	i	1	
		I		İ	i	i		
	1	1	İ	ĺ	i	İ	İ	i '
1-Chloro- 3-Fluorobenzene	74	85	İ	93	1	Ì		İ
(Acceptance Limits: 60-108%)	ŧ	1	}		1	1	I	İ
	1	1			1		l	
		1		!	1			!
Chlorofluorobenzene(PID)	86	87	I	109		1	l	
(Acceptance Limits: 55-131%)	<u>†</u>	Į ,	 -		1	I		1
] 1	I			1	!	<u> </u>	
	 	I	 -			!	<u> </u>	
	I I	I I	 	1				!
	I 	I I	} 	I I		1	 	!
	 	! 	l 	I I	I	1	 	l
	 	1	l İ	 	I	1	 	
	I	1	ı	ı	1	1	i	l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #336 & #26%.

NY ID# in Rochester: 10145 NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317 NY ID# in Hackensack: 10801



LABORATORY REPORT

Job No: R94/02061

Date: JUNE 16 1994

Client:

Sample(s) Reference

Ms. Lynette Mokry Blasland & Bouck Engineers, P.C. Moog Controls Inc

6723 Towpath Rd., Box 66 Syracuse, NY 13214-0066

Received

: 06/06/94

ANALYSIS * BY GC	METHOD	8010/80	020	ANA	LYTICAL	RESULTS	- ug/l	
Sample: Location:		-003 TRIP BLANK	-004 EQUIPMENT BLANK	-005 MW-2 MOOG	-007 LAB BLANK	-009 LAB METH BLANK	 	
Date Collected:	1	06/03/94	06/03/94	06/03/94	1	} }	i i	
ime Collected:	† PQL	NA .	13:45	14:30	j	j j	i	
Date Analyzed:	!	06/09/94	06/09/94	06/10/ 94	06/09/94	{ 06 /10/ 94 }		
Dilution:	1	1	1	50	1	1 1	Ì	
Chloromethane	5	j 5.0 U	5.0 U	250 U	5.0 U	5.0 U	i	
Bromomethane	5	\$ 5.0 U	5.0 U	250 U	5.0 U	5.0 U	i	
Vinyl Chloride	5	į 2.0 U	2.0 U	100 U	2.0 U	2.0 U	j	
Chloroethane	2	2.0 U	2.0 U	100 ບ	2.0 ປ	2.0 U	į	
Methylene Chlori de	1	1.0 U	1.2	50 U	1.0 U	1.0 U	į	
Trichlorofluor omet ha ne	1	1.0 U	1.0 U	91	່ 1.0 ບ	1.0 U	į	
1,1-Dichloroethe ne	1	1.0 U	1.0 U	50 U	1.0 U	1.0 U	į	
1,1-Dichloroetha ne	1	1.0 U	1.0 U	4300	1.0 U	1.0 U	į	
Total 1,2-Dichloroethene	1	1.0 U	1.0 U	1900	1.0 U	1.0 U	j	
Chloroform	1 1	1.0 U	1.1	50 U	່ 1.0 ບ	1.0 U		
1,2-Dichloroetha ne	1	1.0 U	1.0 U	50 บ	່ 1.0 ບ	1.0 U		
1,1,1-Trichloroethane	1	1.0 U	1.0 U	4700	1.0 U	i 1.0 u (
Carbon Tetrachloride	1 1	1.0 U	1.0 U	50 U	, 1.0 U	1.0 U	ì	
Bromodichloromethane	1	1.0 U	1.0 U	, 50 U	1.0 U	1.0 U	Ì	
1,2-Dichloroprop an e	j 1	1.0 U	່ 1.0 ປ	50 U	1.0 U	1.0 U	, 1 1	
1,3-Dichloropropene-Trans	, ₂	2.0 U	1 2.0 U	100 U	2.0 U	1 2.0 U	1 	
Trichloroethene	1 1	1.0 U	1.0 U	980	1.0 U	1.0 U	1	
1,3-Dichloropropene (Cis)	1	1.0 U	1.0 U	50 U	1.0 U	1 1.0 U	. ! !	
Dibromochloromet ha ne	2	2.0 U	2.0 U	100 U	2.0 U	2.0 U	1	
1,1,2-Trichloroethane	2	1 2.0 U	2.0 U	100 U	2.0 U	1 2.0 U	1 	
2-Chloroethylvinyl Ether	2	2.0 UJ	2.0 UJ	100 UJ	2.0 UJ	2.0 UJ	1 1	
Bromoform	2	1 2.0 U	2.0 U	1 100 U	2.0 U	2.0 U	1	
1,1,2,2-Tetrachloroethane	1 2	2.0 U	† 2.0 U	1 100 U	1 2.0 U	2.0 U	1	
Tetrachloroethene	1 1	1.0 U	1 1.0 U	860	1.0 U	1.00	1	
Chlorobenzene	2	1 2.0 U	2.0 U	1 100 U	1 2.0 U	1 2.0 U	1	
1,3-Dichlorobenzene	1 2	2.0 0	2.0 U	100 U	2.0 U	2.0 U	1	
1,2-Dichlorobenzene	2	2.0 U	2.0 U	100 U	2.0 U	2.0 U	1	
1,4-Dichlorobenzene	2	1 2.0 0	2.0 U	100 U	2.0 U	2.0 U	1	
Benzene	1 2	2.0 U	2.0 U	100 U	2.0 U	2.0 U	 	
Toluene	1 2	2.0 U	2.0 U	100 U	•		Į I	
Ethylbenzene	1 2	2.0 U	2.0 U	100 U	2.0 U	2.0 U	1	
Total Xylene (o,m,p)	2	2.0 U	2.0 U	•	2.0 U	2.0 U	1	
Freon 113	2	2.0 U	2.0 U	100 U	2.0 U	2.0 U		
Dichlorofluoroethane	2	2.0 U	•	1200	2.0 U	2.0 U		
Total Volatiles	-	į 2.00	2.0 U 2.30	100 U 140 3 1	2.0 U ND	2.0 U ND		



LABORATORY REPORT

Job No: R94/02061

Date: JUNE 16 1994

Client:

Sample(s) Reference:

Ms. Lynette Mokry

Blasland & Bouck Engineers, P.C.

Moog Controls Inc

6723 Towpath Rd., Box 66 Syracuse, NY 13214-0066

Received

: 06/06/94

P.O. #:

ANALYSIS * BY GC	METHOD	8010/80	2 0	ANAI	LYTICAL	RESULTS	- }	
Sample:		-003				-009	1	1
Location:		TRIP	EQUIPMENT	*	•	LAB METH		'
		BLANK		•	•	BLANK		!
Date Collected:		106/03/94	06/03/94	•	•	}		
Time Collected:	•	•		•		j		s 1
	*****		==========	, 22232323232	, 525555555555	' ==========	, :=========	; 090000 00000 00000
	İ	I		1	!	1	1	1
		I		ĺ	I	İ		İ
		1		İ	İ	İ		
		1		Ì	I	ĺ.		
		1		1	İ			i l
SURROGATE STANDARD RECOVERIES	ŧ	\$		1	İ	i		i
	ł	†	ł	1	1	1		i l
% Recovery	1	[1	i	1		i İ
		[!	1	1	1		ļ
Bromochlorometh a ne	60-138%	85	87	88	87	78		ĺ
	l	1		1	1	1		
	l	I		i	1	1		l
	l	[1	1	1		l
1-Chloro-3-Fl uoro benzene	68-121%	99	95	95	90	87		ı
	i	1		1	1	1		I
	1	1	ļ	1	1	1		l
		1		t	1	1		ı
ChloroFluoro benz ene(PID)	60-140%	98	96	96	99	94		ı
	1	1		1		1		l
	ĺ			1	1	1		1
	1			1	1	1		
	!	1	İ	I	1	1		}
	l	I		1		1		l
	ļ	1	ļ	1		1		
		1		1		1		l
	1	1		1	1	1		1

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317 NY ID# in Hackensack: 10801

Minul F. Person



LABORATORY REPORT

Job No: R94/02061

Date: JUNE 16 1994

Client:

Sample(s) Reference

Ms. Lynette Mokry

Blasland & Bouck Engineers, P.C.

Moog Controls Inc

6723 Towpath Rd., Box 66 Syracuse, NY 13214-0066

Received

: 06/06/94

P.O. #:

TCL ACID EXTRACTAB	LES BY	EPA ME	THOD 82	70* ANA	LYTICAL	RESULTS-	·ug/kg	Dry	Wt.
Sample:		-001	-002	-006	-008	1	I	1	
Location:		MM-2	MW-4	MW-5	LAB	İ	1	i	
		MOOG	MOOG	MOOG	BLANK	1	I I	 	
Date Collected:		_ 06/03/94	06/02/94	106/03/94		i	1	i	
Time Collected:	POL	14:10	13:30	15:10	j				
Date Extracted:	::::::::::::::::::::::::::::::::::::::	16/07/94	 		16/07/94	======================================		:0000cc	******
Date Analyzed:	1	6/10/94	i I	1	6/10/94	 	1	1	
Dilution:	1	it	1	i I	10/10/74	 	1	Ī	
j	1	1	1	l I	' 	1	1	1	
Phenol	670	I 740 ∪	1	l I	1 1670 U	1	1		
2-Chlorophenol	670	740 U	i	ŀ	670 U	1	1	I I	
2-Nitrophenol	670	1740 U	İ	1	670 U	l I	1	1	
2,4-Dimethylphenol	670	1740 U	i	i I	670 U	I I	1		
2,4-Dichlorophenol	670	740 U	i I	i I	670 U	 	1	1	
4-Chloro-3-methylphenol	670	1740 U	İ	i I	670 U	ł ł	1	!	
2,4,6-Trichtorophenot	670	1740 U	1	I I	670 U	} 1	1	1	
2,4-Dinitrophenol	1300	1500 U	; 	l L	1300 U	I I	 	I	
4-Nitrophenol	1300	15 00 ⊔		Ţ	1300 U	I I	 	1	
2-Methyl-4,6-dinitrophenol	1300	1500 U	İ	ţ	1300 U	 	1	1	
Pentachloroph enol	1300	1500 U		į į	1300 U) 	1	1	
2-Methylphenol	670	740 U		1	670 U	 	1	1	
4-Methylphenol	670	740 U	Ì	! 	670 U	 	l I	1	
2,4,5-Trichlorophenol	670	740 ປ	i		670 U				
SURROGATE STANDARD RECOVERIES	l	1	1			1	İ		
	í	! -	T 1	 	1		1		
2-Fluorophenol	25-121%	75	 	1	1 78]]	
Phenol-d 6	24-113%	 75	1	 	79		İ	 	
			İ	j		1			
2,4,6-TriBromophenot	19-122% 	1 106) 1	107	1		1	
,		1	I	ľ	L	I	1		

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: **73**331
NJ ID# in Hackensack: **02**317
NY ID# in Hackensack: 10801

Medal F. Read



LABORATORY REPORT

Job No: R94/02061

Date: JUNE 16 1994

Client:

Sample(s) Reference

Ms. Lynette Mokry

Blasland & Bouck Engineers, P.C. Moog Controls Inc

6723 Towpath Rd., Box 66 Syracuse, NY 13214-0066

Received

: 06/06/94

TCL BASE NEUTRALS	BY E	PA METHOI	3 8270*	ANALYT	ICAL RESUI	LTS -ug/kg	Dry Wt.
Sample:		-001	-002	-006	-008	1	l
Location:		MH-2	MW-4	MW-5	LAB	İ	i
		MOOG	MOOG	MOOG	BLANK	Ì	i
Date Collected:		06 /03/94	06/02/94	06/03/94	1	į	į
Time Collected:	POL	14:10	13:30	15:10	i i	i	i
	=======		==========		=======================================		E2888888888888
Date Extracted:	<u> </u>	6/07/94	ļ	1	6/07/94	1	1
Date Analyzed:	1	6/10/94		1	6/10/94	1	1
Dilution:		1	1	1	1	1	1
N-Nitrosodime thyl ami ne	330	370 ย		1	330 U	1	1
Bis(2-chloroethyl) ether	330	370 ⊔	†	1	330 U	1	1
1,3 Dichlorobenzene	330	370 u		1	330 U		1
1,4 Dichlorobenzene	330	370 U		1	330 U		1
1,2 Dichlorob enzen e	330	370 U	1		330 U		1
2,2'oxybis(1-Chloropropane)	330	370 U	1	1	330 U		1
N-Nitroso-Di- n-pr opylamine	330	370 U	1	1	330 U		1
Hexachloroeth ane	330	370 U		I	330 U	į	į
Nitrobenzene	330	370 U	}	1	330 U	İ	i
Isophorone	330	370 U	1	1	330 U	į	į
bis(-2-chloroethoxy)methane	330	370 U	1	ł	330 U	į	i
1,2,4-Trichlorob e nze ne	330	370 U	Ì	İ	330 U	i İ	i
Naphthalene	330	370 U	Ì	i	330 U	i	ţ
Hexachlorobut a di en e	330	370 u	i	i	330 U	i	i E
Hexachlorocyc lope nta di ene	330	370 U	i	i	330 U	; 	ì
2-Chloronaphthalene	330	370 U	i	i	330 U	, I	1
Dimethyl phthalate	330	1 370 บ	i	i	330 U	i	1
Acenaphthylene	330	370 U	i	i	330 U	i I	f Ì
Acenaphthene	330	370 U		I I	330 U	 	ľ ì
2,4-Dinitrotoluene	330	370 U	1	i i	1 330 U 1	 	ľ ì
2,6-Dinitrotoluene	330	1 370 U	1	l I	330 U	l I	† 1
Diethyl phthalate	330	370 U	1	I I	330 U	l I	ľ
4-Chlorophenyl-phenyl-ether	330	370 U	i I	1	330 U	l I	ľ
Fluorene	330	370 U	I I	I I	330 U	l I	ľ
1,2-Diphenythydrazine	330	370 ປ 370 ປ	i I	I I	330 U	 	ļ ķ
N-Nitrosodiphenylamine	330	i 370 u	1	1	330 U	l 1	<u>,</u>
4-Bromophenyl-phenylether	330	j 370 u	l i	1			Ť
Hexachlorobenzene	330	370 U	† 	l t	330 U		1
Phenanthrene	330	∤ 370 U	1] 	330 U	ļ	
Anthracene	330	370 U	1	 	330 U	ļ	!
Di-n-butyl ph thal ate	330	•		l I	330 U	ļ	!
Fluoranthene	330	370 U	ļ !	1	330 U	ļ	i
	•	\$ 370 U	ļ	l	330 U		Ţ
Pyrene	330	37 0 U			330 U		1



LABORATORY REPORT

Corporation Job Number: R94/02061

Date: JUNE 16 1994

Client:

Ms. Lynette Mokry

Blasland & Bouck Engineers, P.C. Moog Controls Inc

6723 Towpath Rd., Box 66 Syracuse, NY 13214-0066

Sample(s) Reference

Received

: 06/06/94

P.O. #:

TCL BASE NEUTRALS	BY EPA	METHOD	8270*	ANALYTI	CAL RESU	LTS	-ug/kg	Dry Wt.
Sample:		-001	-002	-006	-008	ı	1	1
Location:		MW-2	MW-4	MW-5	LAB	İ	i	i
		MOOG	MOOG	MOOG	BLANK	İ	i	i
Date Collected:		06/03/94	06/02/94	106/03/94	1	İ	į	i
Time Collected:	PQL	‡14:10	13:30	15:10		İ	i	i
Date Extracted:	†	 6 /07/94			**************************************			:casescantssers: }
Date Analyzed:	ţ	6/10/94	j	i	6/10/94	i	1	i i
Dilution:	1	13	i	i	11	i	İ	i
Butyl benzyl p ht ha lat e	330	370 U	i	i	i 330 u	i	i	i I
3,3'-Dichlorobenzidine	330	370 U	i	į	330 U	i		i
Benzo(a)anthr a ce ne	330	370 U		1	330 U	i	i	j
Bis(2-ethylhe x yl)p hth al ate	330	1 370 U	†	İ	330 U	i	i	i
Chrysene	330	37 0 U	1	İ	330 U	i	ì	į
Di-n-octyl ph t ha la te	330	370 U		İ	330 U	i	i	i
Benzo(b)Fluor a nt he ne	330	‡ 370 ປ		ĺ	່ 330 ບ	i	i	
Benzo(k)fluor a nt he ne	330	\$ 370 U		ĺ	330 u	i	i	
Benzo(a)pyren e	330	∮ 370 U	}	ĺ	330 U	į	ì	, i
Indeno(1,2,3-cd)pyrene	330	1 370 ປ		ĺ	330 U	i	i	İ
Dibenzo(a,h)a n th ra cen e	330	370 U	ľ	ĺ	330 U	i	i	
Benzo(g,h,i)p e ry le ne	330) 370 U		į	330 U	i	i	
4-Chloroanili n e	330	370 ∪	j	ĺ	330 u	i	ì	
2-Methyl Naph t ha le ne	330	370 U	İ	ĺ	i 330 u	i	i	
2-Nitroanilin e	330	j 370 u	İ	i	i 330 u	i	i	ľ
3-Nitroaniline	330	j 370 U	j	i	330 U	i	i	İ
Dibenzofuran	330	370 U	İ	i	i 330 U	i	i	i I
4-Nitroanilin e	330	370 U	Ì	i	i 330 U	i	i	i I
Carbazole	330	370 U	İ	į	330 U	İ	İ	i
SURROGATE STANDARD RECOVERIES		!	<u> </u>		 	 		
Nitrobenzene- d 5	23-120%	76	† !] [78	1		
2-Fluorobiphemyl	30-115%	83		<u> </u>	84			
Terphenyl-d14	18-137%	 86			 87		1	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR $_{10}$ parts #136 & #261.

NY ID# in Rochester: 10145 NY ID# in Hackensack: 1080; NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317



LABORATORY REPORT

Job No: R94/02061

Date: JUNE 16 1994

Client:

Sample(s) Reference

Ms. Lynette Mokry

Blasland & Bouck Engineers, P.C.

Moog Controls Inc

6723 Towpath Rd., Box 66 Syracuse, NY 13214-0066

Received

: 06/06/94

P.O. #:

TCL ACID EXTRACTA	BLES BY	EPA ME	THOD 827	0* ANAI	CYTICAL 1	RESULTS	- ug/l	
Sample:		-003	-004	-005	-007	1		
Location:		TRIP	EQUIPMENT	MW-2	LAB	•		
		BLANK	BLANK	MOOG	BLANK		1 1	
Date Collected:		106 /03/94	06/03/94	[06/03/94	ļ	f	f :	
Time Collected:	POL	NA	13:45	14:30		1		
======================================				***********			=======================================	.==========
Date Extracted:	1	1	İ	6/07/94	6/07/94	1	Ì	
Date Analyzed:	1	1	1	6/09/94	6/09/94		?	
Dilution:	1	İ	l	1	1 1			
	1			1	1			
Phenol	10	!	ļ	10 U	10 U	1	<u> </u>	
2-Chlorophenol	10	ţ	Į.	10 U	10 U			
2-Nitrophenol	10	ŧ		10 U	ט 10			
2,4-Dimethylphen ol	10	1		[10 U	10 U	1	1	
2,4-Dichtorophen ot	10	ţ		10 U	10 U	1		
4-Chloro-3-methylphenol	10	†		13	10 U			
2,4,6-Trichlorop he nol	10	1		10 U	10 U			
2,4-Dinitrophenol	20	ŧ	1	20 U	20 U	l	1	
4-Nitrophenol	20	ţ		20 U	20 U	1	1	
2-Methyl-4,6-dinitrophenol	50	ŧ	ţ	20 U	20 U			
Pentachloroph e no l	20	i i		20 U	20 U	1	1	1
2-Methylphenol	10	t		10 U	10 U	1	ļ	1
4-Methylphenol	10	t	1	10 U	10 U	1		
2,4,5-Trichlorophenol	10	1		10 U	10 U			
SURROGATE STANDARD RECOVERIE	 	1	 	1		 	 	
2-Fluorophenol	21-100%	† †	† 	f 52	53		 	
Phenol-d6	10-94%		! 	1 1 38	35	[!	
2,4,6-TriBromoph e nol	10-123%	<u> </u>		57	65		! 	1 [
1	1	1	1	1		I	l	I

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

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LABORATORY REPORT

Job No: R94/02061

Date: JUNE 16 1994

Client:

Sample(s) Reference

Ms. Lynette Mokry

Blasland & Bouck Engineers, P.C. Moog Controls Inc

6723 Towpath Rd., Box 66 Syracuse, NY 13214-0066

Received

: 06/06/94

TCL BASE NEUTRALS	BY EPA	METHOD	8270* A	MALYTIC	CAL RESU	LTS -	ug/l	
Sample:		-003	-004	-005	-007	1	I	I
Location:		TRIP	EQUIPMENT	MW-2	LAB	t	1	I
		BLANK	BLANK	MOOG	BLANK		1	1
Date Collected:	•	06/03/94	06/03/94	06/03 /94	{	1	1	1
Time Collected:	PQL	NA ===========	13:45	114:30				1
ate Extracted:		ţ		6/07/94	6/07/94		;	:=======: }
ate Analyzed:	ŧ	1	I	6/09/94	6/09/94	i	i	į
ilution:	Ĭ		1	11	1	i	i	i
N-Nitrosodimethylami ne	5.0	•	1	5.0 U	5.0 U	i	i	i
Bis(2-chloroethyl) ether	5.0	ţ	Ì	5.0 U	5.0 U	i	i	ì
1,3 Dichlorobenzene	5.0	ŧ	1	5.0 U	5.0 U	1	İ	i
1,4 Dichloroben zen e	5.0	ţ	1	5.0 U	j 5.0 U	i	i	i
1,2 Dichlorob e n ze ne	5.0	†	1	5.0 U	5.0 U	i	i	i
2,2'oxybis(1-Chloropropane)	5.0	Ť	į	5.0 U	5.0 U	i	i	l
N-Nitroso-Di-n-propylamine	5.0	İ	i	5.0 U	5.0 U	İ	1	
Hexachloroeth ane	5.0	i	İ	່ 5.0 ປ	5.0 U	1	1	i
Nitrobenzene	5.0	i	i	5.0 U	5.0 U		;	:
Isophorone	5.0	i		5.0 U	5.0 U		1	t t
bis(-2-chioroethoxy)methane	5.0	i	i	5.0 U	5.0 U	1	! !	I I
1,2,4-Trichlorobenzene	5.0	1	T I	5.0 U	5.0 U	!	1	<u> </u>
Naphthalene	5.0	1	1	5.0 U	5.0 U	1	1	l 1
Hexachlorobutadiene	5.0	1	i t	5.0 U	5.0 U		1	1
Hexachlorocyclopentadiene	5.0	T i	l h	5.0 U	•	1	ļ	ļ
2-Chloronaphthalene	5.0	1	Ť š	•	5.0 U		į.	!
•	•	1	Į 1	5.0 U	5.0 U		ļ	ļ
Dimethyl phthalate	5.0	1	1	5.0 U	5.0 U		ļ	l
Acenaphthylene	5.0	1	!	5.0 U	5.0 U	1	l	l
Acenaphthene	5.0	!	1	5.0 U	5.0 U	1	l	l
2,4-Dinitrotoluene	5.0	!	İ) 5.0 U	5.0 U	1	l	I
2,6-Dinitrotoluene	5.0	1		5.0 U	5.0 U	1		1
Diethyl phthalate	5.0	ì	1	5.0 U	5.0 U			1
4-Chlorophenyl-phenyl-ether	5.0	1	t	5.0 U	5.0 U	1		1
Fluorene	5.0	1	1	5.0 U	5.0 U		1	1
1,2-Diphenylhydrazine	5.0	1	1	5.0 U	5.0 U		ĺ	Ì
N-Nitrosodiphenylamine	5.0	1	1	5.0 U	5.0 U	1	İ	į
4-Bromophenyl - ph e nylether	5.0	1	1	5.0 U	5.0 U	1	i	i
Hexachlorobenzen e	5.0	•	1	5.0 U	5.0 U	İ	i	İ
Phenanthrene	5.0	•	1	5.0 U	5.0 U	i	i	i
Anthracene	5.0	1	1	5.0 U	5.0 U	i	i	
Di-n-butyl phthalate	5.0	i	i	5.0 U	5.0 U	1	1	1
Fluoranthene	5.0		1	5.0 U	5.0 U	1	i	1
Pyrene	5.0	i	1	5.0 U	5.0 U	1	1)

General W Testing \ Corporation Job Number: R94/02061

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: JUNE 16 1994

Client:

Sample(s) Reference

Ms. Lynette Mokry

Blasland & Bouck Engineers, P.C. Moog Controls Inc

6723 Towpath Rd., Box 66

Syracuse, NY 13214-0066

Received

: 06/06/94

P.O. #:

TCL BASE NEUTRALS	BY EPA	METHOD	8270* A	NALYTIC	AL RESU	LTS - ug/l	-
Sample:							
Location:		-003 TRIP	-004	-005	-007		
codacton;			EQUIPMENT	MW-2	LAB	1	
Date Collected:		BLANK	BLANK	MOOG	BLANK		
Time Collected:		06/03/94	06/03/94	106/03/94	!	!!!	
=======================================	! =========	NA 	13:45	14:30	••	1	1
Date Extracted:	ţ	ţ		6/07/94	6/07/94		;=======; }
Date Analyzed:	1	į	i	6/09/94	6/09/94	1	1
Dilution:	Ì	i	i	11	11		1
Butyl benzyl phtha lat e	5.0	j	i	5.0 U	5.0 U		
3,3'-Dichlorobenzidine	5.0	•	İ	5.0 U	5.0 U		
Benzo(a)anthr a ce ne	5.0	1	1	j 5.0 U	5.0 U		İ
Bis(2-ethylhexyl)p hth al ate	5.0	t	Ì	16	, 5.0 U	i	
Chrysene	5.8		1	5.0 U	5.0 U	i	İ
Di-n-octyl ph t ha la te	5.0	•	İ	5.0 ປ	5.0 U	i	
Benzo(b)Fluor a nt he ne	5.0	•	İ	5.0 U	5.0 U	i i	
Benzo(k)fluor a nt he ne	5.0	•	Ì	j 5.0 U	5.0 U		
Benzo(a)pyren e	5.0	•	İ	j 5.0 u	5.0 U	·	
Indeno(1,2,3-cd) py rene	5.0	1	İ	5.0 U	5.0 U	; 	
Dibenzo(a,h)a n th ra cen e	5.0	1	Í	5.0 U	5.0 U	i i	
Benzo(g,h,i)p e ry le ne	5.0	1	ĺ	5.0 U	5.0 U	1	
4-Chloroanili ne	5.0	Ì	İ	5.0 U	5.0 U	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	ļ
2-Methyl Naphtha le ne	5.0	ŧ	1	5.0 U	5.0 U	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	i i
2-Nitroanilin e	5.0	İ	İ	5.0 U	1 5.0 U	1 1	Ì
3-Nitroaniline	5.0	İ	i	1 5.0 U	i 5.0 u	1	i
Dibenzofuran	5.0	İ	i	1 5.0 U	5.0 U	1	i I
4-Nitroanilin e	5.0	•	İ	, 5.0 U	5.0 U	1 1	i
Carbazole	5.0	İ	j	5.0 U	5.0 U		l I
SURROGATE STANDA rd re co veri e s	 	1	<u> </u>	1			İ
Nitrobenzene-d5	35-114%	† •		 78	77		
2-Fluorobiphenyl	 43-116% 			 68	69		
Terphenyl-d14	 33-141% 		1] 31 *	73		
	I	1	I	I	1	1	I

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #336 & #261.

NY ID# in Rochester: 10145 NY ID# in Hackensack: 10801 NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317



LABORATORY REPORT

Job No: R94/02061

Date: JUNE 16 1994

Client:

Sample(s) Reference:

Ms. Lynette Mokry

Blasland & Bouck Engineers, P.C.

6723 **Towp**ath Rd., Box 66 Syracuse, NY 13214-0066

Moog Controls Inc

Received

: 06/06/94

P.O. #:

METHOD 310-13 ANALYTICAL RESULTS - ug/kg Dry Wt.								
Sample:		-001	-002	-006	-008	1	, , ,	1
Location:	l	IMW-2	MW-4	MW-5	LAB	i		
	l	MOOG	MOOG	MOOG	BLANK	İ	İ	i
Date Collecte d:		06/03/94	06/02/94	06/03/94	}	į	i	i
Time Collected:	PQL	114:10	13:30	ļ15:10		į.	İ	İ
Petroleum Hydroc ar bons, GC	======================================		=======================================		======================================			
Date Extract e d:	 	 06/ 07/94	 		 06 /0 7 /94	1	1]]
Date Analyze d:	1	06/07/94	i	i	06/07/94	1		i i
Dilution:	1	j 1	i	i	1 1	! 	1	T L
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Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317 NY ID# in Hackensack: 10801

Milal K. Ray



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R94/02061

Date: JUNE 16 1994

Client:

Received

Sample(s) Reference:

Ms. Lynette Mokry
Blasland & Bouck Engineers,
6723 Towpath Rd., Box 66
Syracuse, NY 13214-0066

Moog Controls Inc

byracuse,

: 06/06/94

P.O. #:

METHOD 310-13	3		AN	ALYTICA	L RESUL	rs - ug/	<u>'1</u>	
Sample:		-003	-004	-005	-007	1	<u>-</u> 	ı
Locatio n:	1	TRIP	EQUIPMENT	MW-2	LAB	F	1	<u>'</u>
	1	BLANK	BLANK	MOOG	BLANK	į	İ	i i
Date Collecte d :		06/03/94	06/03/94	106/03/94		1	Í	i
Time Collected:	POL	NA	13:45	14:30		1	j	
		33333333333	========		1302233202252		******	.
Petroleum Hydroc ar bons, GC	1	1	,	!	!	1		I
Date Extract e d:	 		1	1 06 (07 (0)			•	!
Date Analyzed:	I I	t	1	06/07/94	06/07/94			!
Dilution:	1	1	1	06/07/94	06/07/94	1	•	!
breacton:	1	1	1	1	1	!		
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Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317 NY ID# in Hackensack: 10801

Laboratory Director



A Full Service Environmental Laboratory LABORATORY REPORT

Job No: R94/02061

Date: JUNE 16 1994

Client:

Sample(s) Reference

Blasland & Bouck Engineers, P.C.

Moog Controls Inc

Date Received: 06/06/94

06/ 06/ 94			Date	Sample	Taken:	06/02 8	03/94
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-001	-002	-006		1	i	1	1
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	-001 MW-2 MOOG 	-001 -002 MW-2 MW-4 MOOG MOOG	DATE ANA)	LABORATORY CHRONIC DATE ANALYZED -001	LABORATORY CHRONICLE DATE ANALYZED -001	LABORATORY CHRONICLE DATE ANALYZED -001 -002 -006 MW-2 MW-4 MW-5 Moog Moog Moog	LABORATORY CHRONICLE DATE ANALYZED -001

	10 Exchange St ochester, NY 14		1 20 1 E. Fayet Syracuse, NY		85 T Hack	rinity Pla ens ack ,	ice NJ 07601	435 Lawr Amherst,	ence Be NY 142	ll Dr. 21-7077		iTC Job. N lient Proje		7/200
S	Sample Origina					i						307.	1501	
			\underline{moo}			mole	<u> </u>							
	Address		Street	Aur	و رر	City			<u>N</u> Sta	7				
	Collector		Day in	L. G	-re	5011y				ite) <u> </u>	1 Hr	Zip <u>محو</u> ن	
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			ed to Client via ped via	1				Seal/Ship Seal/Ship						
_	Sample(g) Reli	naluis					R	eceived b					Date	e//Time
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ξ	Sample(s) Rec	eiv e d	in Laboratory	by		on	~ /4	aster	N		6	16 19	14 @ C	950
	Client I.D. #	-	Sample Loca		+	Analyt	Analyte e Group(s) below for a	or Bequired	Sar	mple Pi	ep	Bot	tle Set(s)	
	Lab#	 ,	Date/Time			(see l	pelow for a	dditional)	Y	N Y	Neled	(se	e below)	
	mw-2	4	3/94 mo	0G	S		0/8020		İ İ.				# ~ `	
		+-			<u> </u>		t-60	 .	<u> </u>	, 		_ 5_	#2's	
	001	6	/3/94:	14:10			- 3370							
•	mw - 4		moog		5	8011	0,8030					a a	#2'5	,
2 !		 _	_ _	_	<u> </u>		-/ Dw.P		-		-			
	002	6	12/94:	13:30										0.
1	Trip BIK		mee 6		W	V	oAs			-		a	# 1'5	
ָּבָּ 	003	-	/-/-:									<u> </u>		
	Egrip BK		mook		₩		. 0						# , '	1
1	comp sin	-	 ··· _			1 0	UAS		-		-	<u> </u>	# 1'5	
	004	16	13/94:	13:45										j.
5	mw-2		moog		W	83 8010	/8030 + 70	· · · · · ·		-	-	4 +	± 3 s	
,	005	6	13/94:	14:30		TPH	70, GC			-		<u> </u>		
e l	Bottle No. for i				n ea	ch bott	e set and	ill in box v	vith # at	hottles	used		- S	
	Sottle No.	1	2	3	-	4	5	6	7		8	9	10	11
В	ottle Type	40 r Via		Qt. Glass		4 oz. Plastic	8 oz. Plastic	16 oz. Plastic	Qt. Pl.		Sal. Pl.	Steril. Pl.	, , ,	
<i>‡</i>	of each										· · · · · ·	· · · · · ·		-
ldit	ional Analytes				_ i		*		<u>.</u>	i				
	·												-	
	naded area for													
S	ource Codes:	Monit	toring Welt (W), Soit (S), Tr	eatmer	it Plant (T)	Drinking	Water (D). Lea	achate	(L), Haza	rdous Wa	
		I IIVE!	o r S tream (R	,, rona (r), r	Houstria	שוSchargים וג	면 (+)			{X}			(Y).

(Sample Originati o i	n & Shipping Infe	ormation	1						_	oject No ⊃7. /≲,	0/
`	Collection Si	ite			ntro	lo						
	Address Collector	Street	. Gr	<u> </u>	City			State	-01	If.	Ž	ip
		Print	<u> </u>					~~	Sig	nature	م م	
		pared by ped to Client via	E.L.				Rec'd by_ Seal/Ship			<u>_</u>		
	Samples Sh			-			Seal/Ship					
_	Sample(s) Relingu						eceived by	Y: 1 000		-	D	ate//Time
-	1. Sign Kull	of I che	مم			1.	Sign 📝	sues-	Y		Co	1019
F	2. Sign for			-		2	Sign					
	3. Sign					3	for Sign					<u>:</u>
L	for					1 /	for					1
*	Sample(s) Receive	ed in Laboratory:	by		Sm	- /de	astery	1		616	194 @6	R 30
	Client I.D. #	Sample Locati	οn	*	Analyti	Analyte (or Required	Sample Preserved Y N	Prep	E	Bottle Set(:	s)
	Lab#	Date/Time		_	(see b	elow for a	dditional)	YN	Y N	1	see below	v)
1	mw-5	moog		S	T	OC/DO	NPS		_		# J's	
•	006 6	, 13 /94 :	510			7						
	Sun 5	m06		(, <i>)</i>	80	un laun					n # i'	
2	11100			W		510/807	<u>, , , , , , , , , , , , , , , , , , , </u>			mw	X 1	5 Christ
	(4	0/3/94:1	7:15						ļ	10 Z	4hrTA	77 6/1
										TZIL	10 pm	as p
3										Lyne	HE MC	skry
			-									/
4		/ / :		-	···							
												-
5												
•	\$	/ / :										
	Bottle No. for india	esting type bettle	s used i		h hattl		CII : k					
	Bottle No. for indic			n ead		e set and t	w xoa ni iia	vith # of bot	itles used	tor eac	h type. ————	
	Bottle No. 40	1 2 0 ml Pint	3 Qt.	4	<u>4</u> 4 oz.	5 8 oz.	6 16 oz.	7 Qt.	8 Gal.	9 Steril	10	1
ㅂ		<i>I</i> ial Glass	Glass		lastic	Plastic	Plastic	Pi.	PI.	PI.		
	# of each							! 				ĺ
	tional Analytes											

	710 Exchange St.	GENERAL TESTIN 1201 E. Fayette St.	85 T	rinity Place	,	435 Lawre	ence Bell Dr.	G	TC Job. N	9. 1.06	
		ion & Shipping Informati	on .		J 07601	Amherst,	NY 14221-70	077 C 	•	15.01	
	Collection Address	Site MOOG (<u>ien</u>	hols			NY				
	Collector_	Street		City			State		190	Zip	
			······································			Rec'd by_ Seat/Ship Seat/Ship	ping #	Sign	nature		
	Sample(s) Relin		_	<u> </u>		eceived by	y:	<i>a</i>		Date//	Time
-	1. Sign A	Rt Hone		- <u>-</u>	1.	Sign (SIGUER	, Y		6/1	1/3/
	2. Sign				2.	Sign				18	
-	for 3. Sign		<u>.</u>		3	for Sign					
	for					for				:	
;		ived in Laboratory by							/ /	@ :	
r	Client I.D. # Lab #	Sample Location Date/Time	*	Analyte (Analyte (Group(s) low for a	or Require d dditional)	Sample Preserved Y N	Prep Filtered Y N		tle Set(s) e below)	
1	mw-a	6/3/17 muoG	S	I THY!			V	/	5	#2 s	
		613/94:14:10			1270 8270						*
2	mw-4	moog	5	8010/	8030	1			a	#25	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		6/2/94:13:30		TOC	1 Dmb	\$					*
3	TIPBIK	mc06	W	Vot	15		_		a	# 1'5	1
		- / - / - : -									
4	Eguip BlK	Mook	W	Vo	<u>A s</u>			-	2	# 1,2	
		6/3/94:13:4	5							·	W
5	111W-2	MooG	W	8270	50 30 +	j	-	-	4 *	± 3's	
		6 13 194 : 14:30		TPH -0	G C ───				2 #	- 1`s	Sept.
		dicating type bottles used	f in ea	ich bottle :	set and f	III in box v	vith # of bot	ties used	for each t	ype.	
-	Bottle No.	1 2 3 40 ml Pint Qt	_	4 4 oz.	5 8 oz.	6 16 oz.	7 Qt .	8	9 Storil	10	11
E	Bottle Type	Vial Glass Glas			Plastic	Plastic	Pi.	Gal. Pl.	Steril. Pl.		
	# of each										
Addi	itional Analytes_			·							
	Source Codes: N	Lab use only; bottom cop fonitoring Welt (W), Soit River or Stream (R), Pond	(S), Tr	reatment f	Plant (T)	, Drinking	Water (D).	Leachate	(L), Haza		e (H), (Y).

APPENDIX C



In-situ Hydraulic Conductivity Test Results

Moog Controls

Project No.:

307.15

Well No.:

K-WM

Test Date:

June 3,1994

Formation Tested:

Overburden

					(cm)
Re fe renc	e Stickup (ft)	2.2	1	67.06
Static was	ater depth f (ft)	rom	6.20	† 1	188.98
•	bottom of	screen	9.7	i i	295,66
-	ound level				
Boring D	iameter (in)	8.3		20.96
Riser Dia	ameter (in)		2.0	Ì	5.08
Screen [Diameter (ir	1)	2.0	İ	5.08
Screen L	ength (ft)		7.00		213.36
Depth to	Boundary		8	Ì	243.84
Delta H	at Time 0 (f	t)	0.31		9.45
Delta H a	at Time t (ft)	0.05	1	1.52
Time t (s	econds)		109	1	
As s ume	d Kh/Kv Ra	tio	100	1	
Porosity	of Filter Pa	ck	0.3	į	
			gpd/ft2		cm/sec
K, (Bo uv	ver-Rice)		80.3		3.8E-03
K, (Hvor	slev Time L	.ag)	33.9		1.6E-03
K, (Hvor	slev Variab	le Hea d)	33.7		1.6E-03

Well:

MW-3

Date:

June 3, 1994

Proje**ct**:

Moog Controls

Rising (R) or Falling (F) Head:

R (Test 2)

Bailer/Slug Dimensions:

(1) 3.0' LONG, 0.2' O.D. BAILER

Initial Depth to water (ft):

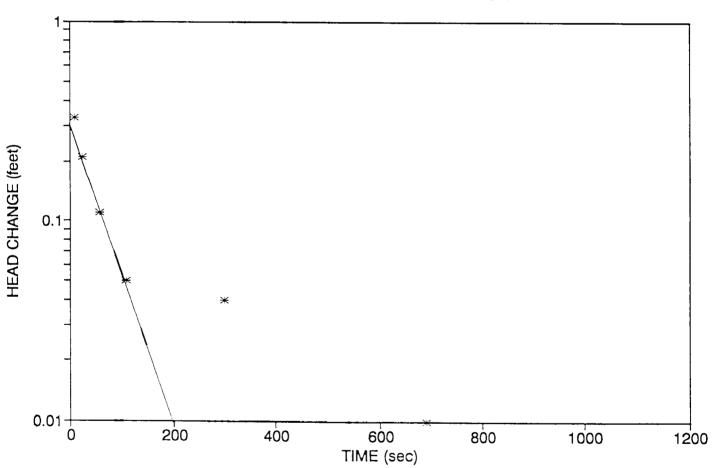
6.20

Initial Time (seconds):

Cloc	Clock Time Depth to water				Elapsed Time in	Hea d Change	Head Change	
HR	MN	Sec	1	FT	IN	Seconds	in feet	in cm.

0	0	0		6.20		0.00	0.00	0.00
0	0	9		6.53		9.00	0.33	10.03
0	0	2 5		6.41		25.00	0.21	6. 38
0	0	58		6.31		58.00	0.11	3. 34
0	1	4 9		6.25		109.00	0.05	1.52
0	4	5 9		6.24		299.00	0.04	1.22
0	1 1	30		6.21		690.00	0.01	0.30
0	18	7		6.20		1087.00	0.00	0.00

MOOG CONTROLS MW-3 RISING HEAD TEST 2



Moog Controls

Project No.:

307.15

Well No .:

MW-3

Test Date:

June 3,1994

Formation Tested:

Overburden

					(cm)
Re fe renc	e Stickup ((ft)	2.2		67.06
Static wa stickup	iter depth f (ft)	rom	6.21		189.28
	bottom of bund level		9.7	†	295.66
Bo ri ng D	iameter (in)	8.3	1	20.96
Riser Dia	meter (in)		2.0		5.08
Sc re en C	iameter (ir	٦)	2.0		5.08
Sc re en L	ength (ft)		7.00		213.36
Depth to	Boundary		8	l	243.84
Delta H a	at Time 0 (f	t)	0.40		12.19
De lta H a	at Time t (ft)	0.09		2.74
Time t (s	econds)		67	j	
As s umed	d Kh/Kv Ra	tio	100		
Po ro sity	of Filter Pa	ck	0.3	j	
					M = = + + + + + +
			gpd/ft2		cm/sec
K, (Bouw	rer-Rice)		107.0		5.0E-03
K, (Hvors	slev Time L	ag)	45.1		2.1E-03
K, (Hvors	slev Variab	le Hea d)	44.9		2.1E-03

Well:

MW-3

Date:

June 3, 1994

Project:

Moog Controls

Rising (R) or Falling (F) Head:

R (Test 1)

Bailer/Slug Dimensions:

(1) 3.0' LONG, 0.2' O.D. BAILER

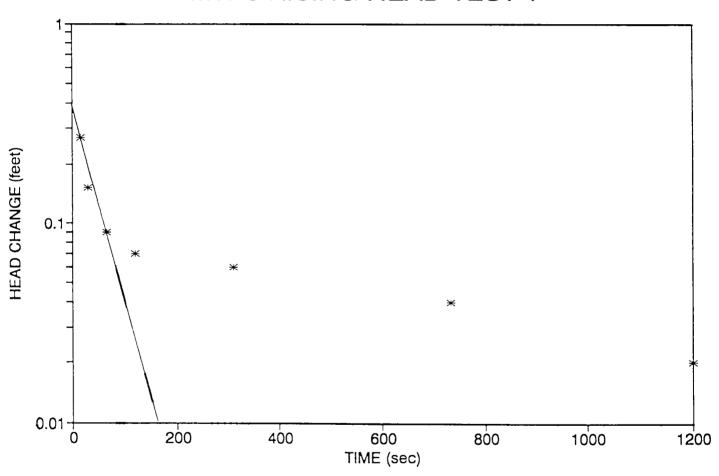
Initial Depth to water (ft):

6.21

Initial Time (seconds):

					··+		~~~~~~~~~	
Clock Time Depth to			Depth to wa	iter	El apsed Time in	Hea d Change	Head Change	
HR	M N	Sec		FT	IN	Seconds	in feet	in cm.
0	0	0		6.21		0.00	0.00	0.00
0	0	17		6.48		17.00	0.27	8.20
0	0	3 0		6.36		30.00	0.15	4.56
0	1	7		6.30		67.00	0.09	2.73
0	2	0		6.28		120.00	0.07	2.13
0	5	9		6.27		309.00	0.06	1.82
0	12	12		6.25		732.00	0.04	1.22
0	2 0	0		6.23		1200.00	0.02	0.61

MOOG CONTROLS MW-3 RISING HEAD TEST 1



Moog Controls

Project No.:

307.15

Well No .:

MW-4

Test Date:

June 3,1994

Formation Tested:

Overburden

					(cm)
Re fe renc	ce Stickup (ft)	2.2		67.06
Static wa	ater depth f	rom	8.20	1	249.94
s tic kup	(ft)				
De p th to	bottom of	screen	13.4	1	408.43
fr o m gr	ound level	(ft)			
Boring D	iameter (in)	8.3	1	20.96
Riser Dia	ameter (in)		2.0		5.08
Sc re en [Diameter (ir	1)	2.0	1	5.08
Sc re en L	ength (ft)		7.10		216.41
De p th to	Boundary		8		243.84
De lt a H	at Time 0 (f	t)	0.49	1	14.94
De lt a Ha	at Time t (ft))	0.12		3.66
Time t (s	econds)		19	1	
As s ume	d Kh/Kv Ra	tio	100	1	
Po ro si ty	of Filter Pa	ck	0.3	1	
			gpd/ft2		cm/ sec
-	ver-Rice)		53.7		2.5E-03
•	slev Time L	O,	125.5		5.9E-0 3
K, (H vor	slev Variabl	e Head)	124.8		5.9E-03

Well:

MW-4

Date:

June 3, 1994

Project:

Moog Controls

Rising (R) or Falling (F) Head:

R (Test 1)

Bailer/Slug Dimensions:

(1) 3.0' LONG, 0.2' O.D. BAILER

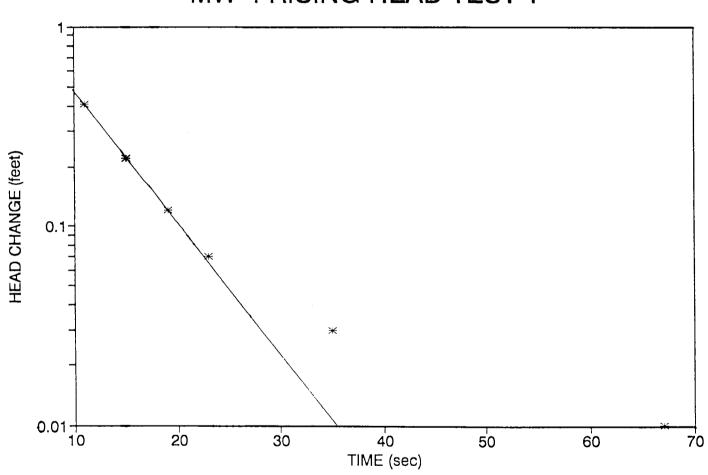
Initial Depth to water (ft):

8.20

Initial Time (seconds):

Clock Time				Depth to w	ater	Elapsed Time in	Head Change	Head Change
HR	MN	Sec		FT	IN	Seconds	in feet	in cm.
0	0	0		8.20		0.00	0.00	0.00
0	0	11		8.61		11.00	0.41	12.46
0	0	15		8.42		15.00	0.22	6.68
0	0	19		8.32		19.00	0.12	3.65
0	0	2 3		8.27		23.00	0.07	2.13
0	0	3 5		8.2 3		35.00	0.03	0.91
0	1	7		8.21		67.00	0.01	0.30
0	1	4 9	1	8.20		109.00	0.00	0.00

MOOG CONTROLS MW-4 RISING HEAD TEST 1



Moog Controls

Project No.:

307.15

Well No.:

MW-4

Test Date:

June 3,1994

Formation Tested:

Overburden

					(cm)
Referenc	e Stickup (ft)	2.2		67.06
Static wa stickup	ter depth f	rom	8.20	•	249.94
•	• •	ooroon	40.4	ا	400.40
-	bottom of		13.4	ţ	408.43
_	ound level	• •			
_	iameter (in)	8.3		20.96
Ris e r Dia	meter (in)		2.0	ł	5.08
Screen D	iameter (ir)	2.0	ĺ	5.08
Screen L	ength (ft)		7.10		216.41
De pt h t o	Boundary		8	j	243.84
De lta H a	t Time 0 (fi	:)	0.50	j	15.24
Delta H a	it Time t (ft))	0.10	į	3.05
Time t (se	econds)		42		
As su med	i Kh/Kv Ra	tio	100		
Porosity	of Filter Pa	ck	0.3		
			gpd/ft2		cm/sec
K, (B ouw	er-Rice)		27.8		1.3E-03
K, (Hvors	lev Time L	ag)	64.9		3.1E-03
K, (H vors	lev Variabl	e Hea d)	64.6		3.0E-03

Well:

MW-4

Date:

June 3, 1994

Project:

Moog Controls

Rising (R) or Falling (F) Head:

R (Test 2)

Bailer/Slug Dimensions:

(1) 3.0' LONG, 0.2' O.D. BAILER

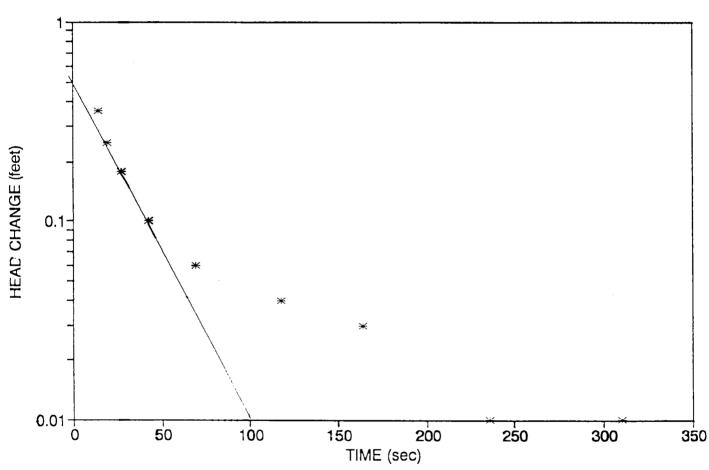
Initial Depth to water (ft):

8.20

Initial Time (seconds):

	k Tir		Depth to water			Elapsed Time in	Head Change	Head Change
HR	IMIN	Sec		FT	iN	Seconds	in feet	in cm.
0	0	0		8.20	********	0.00	0.00	0.00
0	0	14	1	8.56		14.00	0.36	10.94
0	0	19		8.45		19.00	0.25	7.60
0	0	27		8.38		27.00	0.18	5.47
0	0	42		8.30		42.00	0.10	3.04
0	1	9	1	8.26		69.00	0.06	1.82
0	1	58	1	8.24		118.00	0.04	1.22
0	2	4 4		8.23		164.00	0.03	0.91
0	3	56		8.21		236.00	0.01	0.30
0	5	10		8.21		310.00	0.01	0.30

MOOG CONTROLS MW-4 RISING HEAD TEST 2



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