

March 12, 2014

ENVIRONMENT

Robert Corcoran, P.E.
New York State Department of Environmental Conservation
Div. of Environmental Remediation
Remedial Bureau A, Section C
625 Broadway, 12th Floor
Albany, NY 12233-7015

Date:
March 12, 2014

Re: Fairchild Republic Main Plant Site

Contact:
Daniel St. Germain

Dear Mr. Corcoran,

Phone:
(201) 797-7400

Attached is the 2013 Annual Monitoring Report for the above referenced site. It contains the results from the November 2013 groundwater sampling event. 1,4-dioxane was detected in all 11 groundwater samples collected from the site. 1,4-Dioxane was detected at very low (<2 ug/L) concentrations in eight groundwater samples. 1,4-Dioxane was detected at concentrations that range from 6.8 to 30 ug/L in three groundwater samples. The Fairchild Liquidating Trust would like to resample the groundwater in the three wells that contain 1,4-dioxane at concentrations that range from 6.8 to 30 ug/L to confirm the concentration of 1,4-dioxane. If you have any questions please contact me (201) 398-4381.

Email:
Dan.St.Germain@arcadis-us.com

Our ref:
04724010.0000

Sincerely,

ARCADIS U.S., Inc



Daniel J. St. Germain, PG
Principal Hydrogeologist

Copies:
Donald Miller - The Fairchild Liquidating Trust

Imagine the result

2013 ANNUAL MONITORING REPORT

FAIRCHILD REPUBLIC MAIN PLANT SITE

EAST FARMINGDALE, NEW YORK

SITE NO. 1-52-130

MARCH 2014

Prepared for

The Fairchild Liquidating Trust

McLean, VA

Prepared by

Arcadis

17-17 Route 208 North

Fair Lawn, NJ 07410

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Fairchild Republic Main Plant Site
Mairoll, Inc.
East Farmingdale, New York

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1.0 INTRODUCTION

Arcadis (formerly Malcolm Pirnie, Inc.) was retained by The Fairchild Liquidating Trust to collect groundwater samples at the Fairchild Republic Main Plant Site (MPS) in East Farmingdale, New York (Figure 1-1) in accordance with the Revised Draft OM&M Plan (Malcolm Pirnie, 2006). According to the Revised Draft OM&M Plan, groundwater samples will be collected quarterly from the Outpost Monitoring Wells and semi-annually from the Remediation Phase Monitoring Wells during the first year (2006) of operating the groundwater pump and treat remediation system. Groundwater samples will then be collected quarterly from the Outpost Monitoring Wells and annually from the Remediation Phase Monitoring Wells.

In the spring of 2011, Arcadis stopped working on this project. In October 2013, Arcadis resumed working on this project. Arcadis requested that the current sampling frequency articulated above and in the OM&M Plan be revised to include sampling 11 Remediation Phase Monitoring Wells annually in an October 15, 2013 letter to Mr. Robert Corcoran (Appendix A). This request was approved by the NYSDEC with the stipulation that groundwater collected from all 11 wells will be analyzed for 1,4-Dioxane (Appendix A) during the Fall 2013 sampling event.

Groundwater samples were collected from 11 Remediation Phase Monitoring wells in November 2013 according to the sampling procedures outlined in the OM&M Plan (Malcolm Pirnie, 2006). The objectives of the groundwater sampling event are: to determine the extent of Volatile Organic Compounds (VOCs) in groundwater at the MPS, to monitor the overall effectiveness of the groundwater remedy, and to determine if the MPS is a source of 1,4-dioxane.

1.1 Site History

VOCs were initially detected in subsurface soils adjacent to Building 17 during a Remedial Investigation in 1991. Soil, soil vapor, and groundwater were further investigated in order to define the horizontal and vertical extent of VOCs in soil, soil gas, and groundwater. The results of the investigation showed that unsaturated soil contained

Tetrachloroethene (PCE) at a former PCE storage tank and unsaturated soil contained Trichloroethene (TCE) at a former degreasing pit in Building 17. Mairoll, Inc. installed Soil Vapor Extraction (SVE) systems as an Interim Remedial Measure (IRM) to remediate the unsaturated soil containing PCE and TCE. The SVE systems operated for more than one year when the influent concentration of PCE and TCE approached non-detectable concentrations. Soil samples were collected in the source area at the direction of the NYSDEC. The results showed that the concentration of VOCs in the source area was less than the NYSDEC TAGM 4046 guidance values. The SVE system was decommissioned in March 1997 (ROD, 1998). Given the above described source area remediation, the contaminants of concern for groundwater at this site are PCE, TCE, and their degradation compounds.

The NYSDEC prepared a Record of Decision (ROD) for the MPS in 1998 that required Mairoll, Inc. to install a remedy that removed the VOCs detected in the groundwater. The groundwater remedy described in the ROD includes the installation of a groundwater extraction, treatment, and recharge system capable of capturing groundwater that contains total VOCs at 1,000 parts per billion (ppb) or greater, or to the extent practicable. After further defining the nature and extent of the groundwater containing VOCs, conducting an aquifer test to refine the characterization of the physical properties of the aquifer, and conducting further groundwater modeling, it became clear that a larger portion of the VOCs could be captured practicably. Groundwater flow modeling showed that a groundwater extraction system could capture groundwater containing total VOCs at 200 ppb or greater. After lengthy discussions with the NYSDEC, the Remedial Design (RD) of the groundwater extraction, treatment, and recharge system was changed to capture groundwater containing total VOCs at 200 ppb. The RD of the groundwater remedy was conditionally approved by the NYSDEC in November, 2003. Construction of the groundwater remediation system began in January 2004 and construction was completed in February 2005. The groundwater remediation system was started on February 24, 2005.

1.2 Geology and Hydrogeology

The subsurface lithology beneath the MPS consists of more than 1,000 feet of unconsolidated coastal plain sediments. These sediments can be divided into three aquifers; including the Upper Glacial aquifer, the Magothy Aquifer, and the Lloyd Aquifer. The Upper Glacial aquifer extends from ground surface to approximately 50 feet below mean sea level (MSL) and was deposited as an outwash plain from the Ronkonkoma terminal moraine to the north. This aquifer contains fine to coarse-grained sand with minor amounts of silt and clay. The bottom of the Upper Glacial aquifer is defined by the presence of the Gardiners Clay. The Gardiners Clay consists of greenish-gray silt and clay with some interbedded sand that was probably deposited in a lagoon or marine environment during an interglacial interval. Beneath the Gardiners Clay is the Magothy aquifer that extends from the bottom of the Gardiners Clay to the top of the Raritan Clay that is over 800 feet beneath land surface. The Magothy aquifer is divided into two hydrogeologic units beneath the site by a fairly extensive clay layer. A conceptual diagram showing the geologic formations and the corresponding aquifers is shown on Figure 1-2. Groundwater containing VOCs from the MPS is in the Upper Glacial aquifer and the upper portions of the Magothy aquifer.

For the purposes of this report, the Upper Glacial aquifer is the shallow aquifer, the initial 175 feet of the Magothy aquifer that contains VOCs from the MPS is the intermediate aquifer, and the deeper portions of the Magothy aquifer is the deep aquifer (Figure 1-2). Because the monitoring well network was installed over a 20-year period before the full nature and extent of VOCs were defined, not all of the monitoring well designations consistently identify the correct aquifer where the monitoring wells are screened. For example, monitoring well MW-49D is screened in the intermediate aquifer. Table 1-1 lists each monitoring well, its total depth, and the screened aquifer.

2.0 GROUNDWATER SAMPLING

Groundwater samples were collected in 11 wells on November 20, 2013. Groundwater sample collection logs are included in Appendix B. Groundwater samples were sent to H2M Laboratory, in Melville, New York, which is a New York State certified laboratory, for VOCs analyses by United States Environmental Protection Agency (USEPA) Method 8260B and GCMS/SI E522. The results were submitted as NYSDEC Type 2 deliverables.

Laboratory data were validated by a USEPA Certified Data Validator according to the USEPA's National Functional Guidelines for Organic Data Review (October 1999). Based on the validation, all of the data collected during the November 2013 sampling event were determined to be usable for qualitative and quantitative purposes. The Data Validation Usability Report is presented in Appendix C.

2.1 Water Level Measurements

A synoptic round of water level measurements was collected from 32 wells on November 19, 2013 (Table 2-1).

2.2 Groundwater Sampling Procedures

Groundwater samples were collected from 11 wells according to the USEPA Region II low flow sampling protocol (USEPA, March 1998). The USEPA protocol is summarized below:

1. Upon arrival at each well, well identification was entered into a field log notebook, noting any damage to the well in the log.
2. New plastic sheeting was placed over and around the monitoring well so that a 5 x 5 foot clean surface was created for the sampling equipment. All materials, tools and equipment were decontaminated prior to the placement on the plastic sheeting.

3. Depth to water below the reference point (top of casing) was measured to the nearest hundredth of a foot (0.01 ft) using an electronic water level meter. The measuring device was cleaned with phosphate-free detergent and rinsed with distilled water prior to placement in the well.
4. The well was purged at a rate between 200 and 500 milliliters per minute (ml/min). Water levels and indicator parameters were monitored at five minute intervals during purging of the well, and recorded on Malcolm Pirnie groundwater purging/sampling logs (Appendix B). All purged water was contained in 55-gallon drums.
5. Once the well was considered stabilized, each laboratory-provided sample bottle (40ml VOC bottles) was labeled and prepared to receive the groundwater sample.
6. Samples were collected from the pump discharge at a flow rate between 100 and 250 ml/min.
7. Upon completion of the sample collection, the well cap was replaced and the well housing secured.
8. The plastic sheeting and all used expendable materials were properly discarded.
9. Prior to overnight shipment to the laboratory, samples were packed in ice and placed inside a cooler along with the chain-of-custody (COC) forms. The cooler was sealed and secured in preparation for overnight delivery.

3.0 RESULTS

3.1 Groundwater Flow

A synoptic round of water level measurements was collected from 32 wells on November 19, 2013. The depth-to-water measurement was subtracted from the survey elevation of the measuring point on top of each well to calculate the water level elevation in each well (Table 2-1). The water level measurements were used to draw potentiometric maps for the intermediate aquifer (Figure 3-1). This figure show that groundwater flow in intermediate aquifer is to the southeast and the horizontal hydraulic gradient is approximately 0.002.

3.2 Groundwater Quality

A description of the groundwater quality in the intermediate aquifer is presented below. A summary of the data is presented in Table 3-1. Figure 3-2 shows the distribution of VOCs in the intermediate aquifer.

3.2.1 Intermediate Aquifer

Groundwater samples were collected from 11 wells in the intermediate aquifer. The results show that all 11 wells (MW-37I, MW-41, MW-42I, MW-42D, MW-43I, MW-46I, MW-49I, MW-49D, MW-50, S-66133, and S-66134) contained detectable concentrations of VOCs. The concentration of total VOCs in each well is shown on Figure 3-3. Figure 3-3 also shows the VOC plume and changes in total VOC concentrations with time in the intermediate aquifer. The groundwater data shows that the concentration of total VOCs has decreased in groundwater collected from most of the monitoring wells showing the positive effect of active groundwater remediation. Those wells with the highest historical concentrations, MW-49I, MW-49D, MW-37I, MW-43I, MW-41, S-66133, and MW-50, all have significantly decreased since the start of remediation and show the mass of chlorinated VOCs is being actively removed by the groundwater pump and treat system.

Groundwater samples collected from 11 monitoring wells were also analyzed for the presence of 1,4-Dioxane. The results show that 1,4-Dioxane was detected at low concentrations (ND – 2 ug/L) in eight of the 11 groundwater samples collected from monitoring wells (Figure 3-4). This range of low concentration detections could be indicative background concentrations of 1,4-Dioxane. 1,4-Dioxane was detected in three groundwater samples (MW-49I, MW-37I, and MW-50) at concentrations that range from 6.8 to 30 ug/L.

4.0 GROUNDWATER TREATMENT SYSTEM OPERATION, MAINTENANCE AND MONITORING

4.1 History of Groundwater Remedy

Construction of the groundwater pump and treat system was completed in February 21, 2005 and system testing started on February 24, 2005. Test well PW-1 was started on March 21, 2005, and PW-2 was started on March 28, 2005. Routine OM&M of the pump and treat system has been conducted since start-up. The routine OM&M includes: responding to alarm conditions, recording and adjusting system operating parameters, collecting influent and effluent samples, and any maintenance activities necessary to keep the system operational. The groundwater remediation system has extracted and remediated more than 650 million gallons of contaminated groundwater and removed over 10,500 pounds (880 gallons) of total VOCs. Currently, the extraction system operates by pumping PW-1 at 200 gpm while PW-2 is maintained as a back-up extraction well.

4.2 Remediation System Operation and Maintenance

Routine operation and maintenance has been conducted on the treatment system since start-up. Routine tasks included recording system operational data, measuring water levels in the recharge system, responding to system alarms, and basic cleaning of system components. From Spring 2011 to the January 2013, roughly 200 million gallons of water were extracted, treated, and discharged at the MPS. During this period, the plant has experienced significant operational and mechanical challenges including a lengthy shutdown period in 2012 where extensive maintenance was completed to remove a significant volume of encrusted iron from the stripping towers. The plant was also shut down in 2013 to repair air stripper internal piping. **Currently, the extraction and treatment system operates in an efficient manner.**

The extraction system is currently down. PW-1 is sucking sand into the filters and needs video scoping and repair. PW-1 shut down since February 2014. PW-2 is off the plume axis and has been shut down since Jan. 2010. ETA on PW-1 scoping is May 2014.

4.3 Groundwater Treatment System Monitoring

Groundwater samples were collected from the treatment system monthly while the extraction and treatment system were operational during this reporting period to monitor the influent and effluent concentrations of VOCs. The groundwater samples are analyzed for:

- VOCs (8260) (including Freon 113)
- Total Dissolved Solids (TDS)
- pH
- Total Iron
- Total Manganese
- Total Zinc

The results of the groundwater analyses are shown on Table 4-1. The results show that the groundwater discharge to the infiltration basins, from February 2005 to January 2014, met discharge standards and was in compliance with the NYSDEC discharge requirements. Table 4-2 summarizes the groundwater effluent results in comparison to the NYSDEC Groundwater Discharge Criteria. The Results are included in Appendix D.

4.4 Evaluation of the Effectiveness of Groundwater Remediation

4.4.2 Influent Concentration of VOCs

The influent concentration of total VOCs was also used to monitor the progress of the groundwater remedy. The concentration of total VOCs was plotted against time to track the reduction, if any, of the influent groundwater quality (Figure 4-1). Between May 2005 and December 2011 the influent concentration of total VOCs remained consistent at a concentration of approximately 2,000 µg/L, suggesting that the groundwater extraction system is successfully removing significant VOCs. The influent concentration has been considerably more variable over the last two years likely the result of system maintenance.

4.4.3 Cumulative Mass Removed

The cumulative mass removed was used to monitor the progress of the groundwater remedy (Table 4-3). The concentration of total VOCs for each sampling event was multiplied by the volume of water extracted during the reporting period to calculate the total mass removed during the reporting period. This number was added to the previous reporting period's total mass removed to calculate the cumulative total mass removed. The cumulative total mass removed was plotted against time to track the progress of the groundwater remedy (Figure 4-1). As of December 2013 a total of 10,500 pounds or 880 gallons of VOCs have been removed and treated by the groundwater remediation system. The results show that a large amount of mass has been removed each year.

4.4.4 Average Concentration of VOCs in the Plume

The concept of average concentration of the plume was also used to evaluate and monitor the effectiveness of the groundwater remedy. The concentration of total VOCs was evaluated by calculating the average concentration, standard deviation, standard error, Student's "t" at 95 percent, and the average concentration of the plume with a 95 percent confidence interval. The results from the baseline groundwater sampling and the 2013 groundwater sampling are shown on Table 4-4. The results show that the baseline average concentration of the plume using wells in the intermediate aquifer was 1,030 µg/L (June 2004) and the average concentration is 327 µg/L in 2013. This data shows significant mass reduction in the intermediate aquifer. The average concentration of total VOCs with a 95 percent confidence interval is 1,719 µg/L for the baseline groundwater sampling (June 2004) and 545 µg/L for the 2013 sampling. These data show that the average concentration of the plume is decreasing and a significant amount of mass is being removed (Figure 4-2).

5.0 CONCLUSIONS

- Groundwater samples collected from wells screened in the intermediate aquifer show the concentration of total VOCs has decreased in most of the monitoring wells: MW-37I, MW-37D, MW-41, MW-43I, MW-44, MW-45, MW-49I, MW-49D, MW-50, MW-51, MW-52, S-66133, and S-66134.
- The groundwater sampling results show the mass of the VOCs in the intermediate aquifer are moving in a southeasterly direction towards the MPS treatment system.
- The groundwater remediation system removed approximately 10,500 pounds or 880 gallons of VOCs by December 2013.
- The influent concentration of total VOCs to the treatment system has remained relatively stabilize from 2005 to 2010 and is showing variability over the last two years likely due to system maintenance shut downs.
- All of the water discharged to the infiltration basins met the NYSDEC groundwater effluent limitations.
- The cumulative mass removed has shown that the groundwater remedy is effective at removing mass and remediating the aquifer.
- 1,4-Dioxane was detected in groundwater samples collected from MW-49I, MW-37I, and MW-50.

TABLE 1-1
MONITORING WELL INSTALLATION INFORMATION
FAIRCHILD REPUBLIC MAIN PLANT SITE
MAIROLL, INC.
EAST FARMINGDALE, NEW YORK

Well ID	Total Depth (feet)	Hydrogeologic Zone Designation	Aquifer Designation
MW-19S	35.60	Shallow	Upper Glacial
MW-19D	69.73	Shallow	Upper Glacial
MW-4S	38.69	Shallow	Upper Glacial
MW-4D	59.36	Shallow	Upper Glacial
MW-10S	33.31	Shallow	Upper Glacial
MW-10I	59.15	Shallow	Upper Glacial
MW-10D	91.93	Shallow	Upper Glacial
MW-46S	79.00	Shallow	Upper Glacial
S-66157	53.60	Shallow	Upper Glacial
MW-21S	30.33	Shallow	Upper Glacial
MW-43S	80.00	Shallow	Upper Glacial
MW-49S	30.00	Shallow	Upper Glacial
S-1805	31.70	Shallow	Upper Glacial
S-67535	71.24	Shallow	Upper Glacial
S-16479	45.00	Shallow	Upper Glacial
S-10314	45.00	Shallow	Upper Glacial
MW-37D	267.00	Intermediate	Upper Magothy
MW-37I	193.00	Intermediate	Upper Magothy
MW-41	140.00	Intermediate	Upper Magothy
MW-42D	240.00	Intermediate	Upper Magothy
MW-42I	179.00	Intermediate	Upper Magothy
MW-43I	200.00	Intermediate	Upper Magothy
MW-44	129.00	Intermediate	Upper Magothy
MW-45	179.00	Intermediate	Upper Magothy
MW-46I	149.00	Intermediate	Upper Magothy
MW-48	200.00	Intermediate	Upper Magothy
MW-49D	170.00	Intermediate	Upper Magothy
MW-49I	110.00	Intermediate	Upper Magothy
MW-50	165.00	Intermediate	Upper Magothy
MW-51	190.00	Intermediate	Upper Magothy
MW-52	170.00	Intermediate	Upper Magothy
S-66133	142.00	Intermediate	Upper Magothy
S-66134	144.00	Intermediate	Upper Magothy
MW-23D	310.00	Deep	Middle Magothy
MW-32D	325.00	Deep	Middle Magothy
MW-33D	310.00	Deep	Middle Magothy
MW-43D	350.00	Deep	Middle Magothy

Note:

1) Wells with an "S" prefix are Suffolk County wells

TABLE 2-1
WATER LEVEL INFORMATION - NOVEMBER 2013
FAIRCHILD REPUBLIC MAIN PLANT SITE
 MAIROLL, INC.
 EAST FARMINGDALE, NEW YORK

Well ID	Total Depth (feet)	Measuring Point Elevation (feet MSL)	Bottom Elevation (MSL)	Hydrogeologic Zone Designation	Depth to Water (feet)	Groundwater Elevation (feet MSL)
MW-10D	91.93	74.26	17.67 BMSL	Shallow	27.03	47.23
MW-10I	59.09	74.54	15.45 AMSL	Shallow	27.36	47.18
MW-10S	33.31	74.10	40.79 AMSL	Shallow	27.43	46.67
MW-19D	69.73	78.84	9.11 AMSL	Shallow	NM	--
MW-19S	35.60	78.95	43.35 AMSL	Shallow	NM	--
MW-21S	30.33	62.21	31.88 AMSL	Shallow	21.04	41.17
MW-23D	310.00	69.64	240.36 BMSL	Deep	NM	--
MW-32D	325.00	65.51	259.49 BMSL	Deep	23.60	41.91
MW-33D	310.00	85.88	224.12 BMSL	Deep	NM	--
MW-37D	267.00	56.19	210.81 BMSL	Intermediate	19.75	36.44
MW-37I	193.00	55.88	137.12 BMSL	Intermediate	19.61	36.27
MW-41	140.00	74.42	65.58 BMSL	Intermediate	27.97	46.45
MW-42D	240.00	64.03	175.97 BMSL	Intermediate	22.57	41.46
MW-42I	179.00	63.42	115.58 BMSL	Intermediate	23.17	40.25
MW-43D	350.00	60.46	289.54 BMSL	Deep	23.04	37.42
MW-43I	200.00	60.45	139.55 BMSL	Intermediate	22.48	37.97
MW-43S	80.00	60.60	19.4 BMSL	Shallow	19.67	40.93
MW-44	129.00	52.12	76.88 BMSL	Intermediate	19.54	32.58
MW-45	179.00	51.38	127.62 BMSL	Intermediate	21.72	29.66
MW-46I	149.00	66.06	82.94 BMSL	Intermediate	22.51	43.55
MW-46S	79.00	65.86	13.14 BMSL	Shallow	21.60	44.26
MW-48	200.00	47.57	152.43 BMSL	Intermediate	19.37	28.20
MW-49D	170.00	61.77	108.23 BMSL	Intermediate	23.99	37.78
MW-49I	110.00	61.35	48.65 BMSL	Intermediate	24.52	36.83
MW-49S	30.00	61.32	31.32 AMSL	Shallow	20.89	40.43
MW-4D	59.36	81.92	22.56 AMSL	Shallow	27.88	54.04
MW-4S	38.69	81.97	43.28 AMSL	Shallow	28.25	53.72
MW-50	165.00	54.10	110.90 BMSL	Intermediate	21.20	32.90
MW-51	190.00	54.83	135.17 BMSL	Intermediate	NM	--
MW-52	170.00	55.22	114.78 BMSL	Intermediate	18.95	36.27
S-10314	45.00	52.12	7.12 AMSL	Shallow	22.15	29.97
S-16479	45.00	46.15	1.15 AMSL	Shallow	14.05	32.10
S-1805	31.70	57.40	25.7 AMSL	Shallow	19.48	37.92
S-66133	142.00	66.10	75.9 BMSL	Intermediate	25.25	40.85
S-66134	144.00	50.45	93.55 BMSL	Intermediate	21.18	29.27
S-66157	53.60	64.66	11.06 AMSL	Shallow	22.26	42.40
S-67535	71.24	50.35	20.89 BMSL	Shallow	18.51	31.84

N/S = Not Surveyed

BMSL = below mean sea level

AMSL = above mean sea level

Zone 1 elevation range: 50 ft. AMSL to 45 ft. BMSL

Zone 2 elevation range: 45 ft. BMSL to 210 ft. BMSL (north side of site) and 45 ft. BMSL to 250 ft

Zone 3 elevation range: greater than 210 ft. BMSL (north side of site) and greater than 250 ft. BM

Table 3-1
Volatile Organic Compounds in Groundwater
Fairchild Republic Main Plant Site
Mairoll, Inc.
East Farmingdale, NY

Compound	Unit	MW-37I 11/20/2013	MW-41 11/19/2013	MW-42D 11/20/2013	MW-42I 11/20/2013	MW-42I DUP 11/20/2013	MW-43I 11/20/2013	MW-46I 11/19/2013	MW-49D 11/19/2013	MW-49I 11/19/2013	MW-50 11/20/2013	S-66133 11/19/2013	S-66134 11/20/2013	FB 111913 11/19/2013	Trip Blank 11/19/2013
Dichlorodifluoromethane	ug/L	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Chloromethane	ug/L	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Vinyl chloride	ug/L	9 J	2 J	10 UJ	10 UJ	10 UJ	3 J	10 UJ	14 J	9 J	10 J	4 J	10 UJ	10 UJ	10 UJ
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tridhlorofluoromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	28	10 U	2 J	10 U	10 U	2 J	10 U	3 J	4 J	25	2 J	10 U	10 U	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	37	10 U	10 U	10 U	10 U	3 J	10 U	2 J	10 U	5 J	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl acetate	ug/L	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Methylene chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	6 J	10 U	1 J	10 U	10 U	10 U
Methyl tert-butyl ether	ug/L	2 J	15	10 U	10 U	10 U	130	10 U	15	5 J	10 U	8 J	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	41	2 J	2 J	10 U	10 U	5 J	2 J	6 J	13	21	2 J	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	320	19	10 U	10 U	10 U	88	3 J	200	110	180	190	10 U	10 U	10 U
2-Butanone (Methyl ethyl ketone)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6 J	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	13	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9 J	10 U	10 U	10 U	10 U
Cyclohexane	ug/L	4 J	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Carbon tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U
Benzene	ug/L	1 J	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene (TCE)	ug/L	240	9 J	56	2 J	2 J	240	62	140	35	790	54	10 U	10 U	10 U
Methylcyclohexane	ug/L	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene (PCE)	ug/L	130	77	10 U	10 U	10 U	12	4 J	650	41	110	2 J	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dibromoethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	3 J	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Isopropylbenzene (Cumene)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dibromo-3-chloropropane	ug/L	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dioxane	ug/L	16	0.84	1.1	0.065	0.065	0.89	1.3	1.7	6.8	30	0.70	0.16	0.05 U	NA

J = The compound was positively identified; the associated numerical value is the approximate concentration of the compound in the sample.

JN = The analysis indicated the presence of a compound that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

NA = Not analyzed or not applicable

U = The compound was analyzed for, but was not detected above the reported sample reporting limit.

UJ = The compound was not detected above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the compound in the sample.

Highlighted cell with bolded value indicates a positive detection

TABLE 4-1
GROUNDWATER REMEDIATION SYSTEM LABORATORY RESULTS
FAIRCHILD REPUBLIC MAIN PLANT SITE
MAIROLL, INC.
EAST FARMINGDALE, NY

[illegible]

TABLE 4-1
GROUNDWATER REMEDIATION SYSTEM LABORATORY RESULTS
FAIRCHILD REPUBLIC MAIN PLANT SITE
MAIROLL, INC.
EAST FARMINGDALE, NY

Compound	IN-1 8/6/2013	IN-1 10/16/2013	IN-1 11/6/2013	IN-1 1/20/2014	IN-2 8/07/2009	IN-2 9/09/2009	IN-2 10/12/2009	IN-2 11/25/2009	IN-2 12/15/2009	IN-2 1/22/2010	IN-2 3/2/2010	IN-2 3/18/2010	IN-2 4/16/2010	IN-2 5/26/2010	IN-2 6/17/2010	IN-2 7/21/2010	IN-2 1/6/2011	IN-2 2/6/2011	IN-2 3/16/2011	IN-2 4/8/2011	IN-2 2/17/2012	IN-2 3/30/2012
1,1 Dichloroethane	17	13	16	22	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	
1,1 Dichloroethene	<10	<10	<10	14	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	
1,1-Dichloropropene	<10	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	
1,2 Dibromoethane	<10	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	
1,2 Dichlorobenzene (v)	<10	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	
1,2 Dichloroethane	<10	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	
1,2 Dichloropropane	<10	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	
1,3 Dichlorobenzene (v)	<10	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	
1,3-Dichloropropane	<10	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	
1,4 Dichlorobenzene (v)	<10	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	
111 Trichloroethane	<10	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	
1112Tetrachloroethane	<10	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	
112 Trichloroethane	<10	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	
1122Tetrachloroethane	<10	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	
123-Trichlorobenzene	<10	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	
123-Trichloropropane	<10	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	
124-Trichlorobenzene (v)	<10	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	
124-Trimethylbenzene	<10	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	
1245 Tetramethylbenz	<10	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	
135-Trimethylbenzene	<10	<10																				

EAST FARMINGDALE, NY

[illegible]

Table 4-2
NYSDEC Groundwater Discharge Criteria and Results
Fairchild Main Plant Site
 Mairoll, Inc.
 East Farmingdale, New York

Site No 1-52-130

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

the discharges from the treatment facility to infiltration basins, shall be limited and monitored by the operator as specified below:

Outfall Number and Parameter	Discharge Limitations		Units	3/23/2005		3/24/2005		3/25/2005		3/28/2005		3/29/2005	
	Daily Ave.	Daily Max		Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading
Outfall 001 - Treated Groundwater Remediation Discharge:					(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)
Flow	Monitor	360,000	gpd	450,000		311,175		307,510		276,343		626,252	
pH (range)	6.5 to 8.5		SU	7.0		7.1		6.5		7.0		7.2	
Total Dissolved Solids	Monitor	1,000	mg/L	130	154	150	123	120	97	110	80	81	134
Vinyl Chloride	Monitor	2.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
cis 1,2 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Chloroform	Monitor	7.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1,1 Trichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Benzene	Monitor	1.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Trichloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Tetrachloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Freon 113	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Iron, Total	Monitor	Monitor	ug/L	130	0.5	110	90	150	121	200.0	145	480	791
Manganese, Total	Monitor	Monitor	ug/L	60	0.2	60	49	50	40	70	51	60	99
Zinc, Total	Monitor	Monitor	ug/L	10	0.0	20	16	20	16	BMDL	BMDL	30	49

BMDL=Below Method Detection Limit

Table 4-2
NYSDEC Groundwater Discharge Criteria and Results
Fairchild Main Plant Site
Mairoll, Inc.
East Farmingdale, New York

Site No 1-52-130

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

the discharges from the treatment facility to infiltration basins, shall be limited and monitored by the operator as specified below:

	Discharge Limitations			3/30/2005		3/31/2005		4/1/2005		4/4/2005		4/11/2005	
Outfall Number and Parameter	Daily Ave.	Daily Max	Units	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading
Outfall 001 - Treated Groundwater Remediation Discharge:													
Flow	Monitor	360,000	gpd	440,597	(lbs/gal)	498,878	(lbs/gal)	504,460	(lbs/gal)	467,857	(lbs/gal)	502,279	(lbs/gal)
pH (range)	6.5 to 8.5		SU	6.8		6.8		6.8		6.8		6.9	
Total Dissolved Solids	Monitor	1,000	mg/L	110	128	110	144	120	159	110	135	110	145
Vinyl Chloride	Monitor	2.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
cis 1,2 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Chloroform	Monitor	7.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1,1 Trichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Benzene	Monitor	1.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Trichloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Tetrachloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Freon 113	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Iron, Total	Monitor	Monitor	ug/L	470	545	470	617	350	465	330	406	300	397
Manganese, Total	Monitor	Monitor	ug/L	60	70	60	79	60	80	60	74	60	79
Zinc, Total	Monitor	Monitor	ug/L	20	23	20	26	50	66	20	25	20	26

BMDL=Below Method Detection Limit

Table 4-2
NYSDEC Groundwater Discharge Criteria and Results
Fairchild Main Plant Site
Mairoll, Inc.
East Farmingdale, New York

Site No 1-52-130

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

the discharges from the treatment facility to infiltration basins, shall be limited and monitored by the operator as specified below:

	Discharge Limitations		Units	4/13/2005		4/18/2005		5/4/2005		6/1/2005		7/7/2005		8/3/2005		9/9/2005	
Outfall Number and Parameter	Daily Ave.	Daily Max		Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading
Outfall 001 - Treated Groundwater Remediation Discharge:					(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)
Flow	Monitor	360,000	gpd	502,279		502,279		502,279		502,279		502,279		603,360		551,520	
pH (range)	6.5 to 8.5		SU	6.6		6.9		7.1		7.3		7.1		7.2		7.1	
Total Dissolved Solids	Monitor	1,000	mg/L	110	145	120	159	110	145	110	145	95	126	130	206	130	189
Vinyl Chloride	Monitor	2.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
cis 1,2 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Chloroform	Monitor	7.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1,1 Trichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Benzene	Monitor	1.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Trichloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Tetrachloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Freon 113	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Iron, Total	Monitor	Monitor	ug/L	360	476	320	423	310	410	280	370	320	423	330	524	270	392
Manganese, Total	Monitor	Monitor	ug/L	70	93	60	79	60	79	60	79	70	93	60	95	70	102
Zinc, Total	Monitor	Monitor	ug/L	20	26	20	26	20	26	60	79	20	26	20	32	10	15

BMDL=Below Method Detection Limit

Table 4-2
NYSDEC Groundwater Discharge Criteria and Results
Fairchild Main Plant Site
 Mairoll, Inc.
 East Farmingdale, New York

Site No 1-52-130

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

the discharges from the treatment facility to infiltration basins, shall be limited and monitored by the operator as specified below:

	Discharge Limitations			10/7/2005		1/5/2006		2/3/2006		3/2/2006		4/5/2006		5/3/2006	
Outfall Number and Parameter	Daily Ave.	Daily Max	Units	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading
Outfall 001 - Treated Groundwater Remediation Discharge:					(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)
Flow	Monitor	360,000	gpd	432,000		446,400		450,720		419,040		361,440		361,440	
pH (range)	6.5 to 8.5		SU	7.1		7.1		7.1		7.1		6.8		7	
Total Dissolved Solids	Monitor	1,000	mg/L	110	125	100	117	110	130	130	143	230	219	140	133
Vinyl Chloride	Monitor	2.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
cis 1,2 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Chloroform	Monitor	7.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1,1 Trichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Benzene	Monitor	1.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Trichloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Tetrachloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Freon 113	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Iron, Total	Monitor	Monitor	ug/L	260	296	280	329	320	380	290	320	290	276	170	162
Manganese, Total	Monitor	Monitor	ug/L	70	80	70	82	70	83	70	77	60	57	70	67
Zinc, Total	Monitor	Monitor	ug/L	20	23	20	23	30	36	10	11	20	19	30	29

BMDL=Below Method Detection Limit

Table 4-2
NYSDEC Groundwater Discharge Criteria and Results
Fairchild Main Plant Site
 Mairoll, Inc.
 East Farmingdale, New York

Site No 1-52-130

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

the discharges from the treatment facility to infiltration basins, shall be limited and monitored by the operator as specified below:

	Discharge Limitations		Units	6/7/2006		7/6/2006		8/1/2006		9/6/2006		10/4/2006		10/4/2006	
Outfall Number and Parameter	Daily Ave.	Daily Max		Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading
Outfall 001 - Treated Groundwater Remediation Discharge:					(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)
Flow	Monitor	360,000	gpd	349,920		368,640		315,360		370,080		270,720		270,720	
pH (range)	6.5 to 8.5		SU	7.2		7.1		7.2		7.1		6.8		6.8	
Total Dissolved Solids	Monitor	1,000	mg/L	150	138	180	175	110	91	180	175	110	78	110	78
Vinyl Chloride	Monitor	2.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
cis 1,2 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Chloroform	Monitor	7.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1,1 Trichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Benzene	Monitor	1.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Trichloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Tetrachloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Freon 113	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Iron, Total	Monitor	Monitor	ug/L	220	203	250	243	190	158	220	214	240	171	240	171
Manganese, Total	Monitor	Monitor	ug/L	80	74	80	78	70	58	70	68	80	57	80	57
Zinc, Total	Monitor	Monitor	ug/L	20	18	20	19	20	17	30	29	20	14	20	14

BMDL=Below Method Detection Limit

Table 4-2
NYSDEC Groundwater Discharge Criteria and Results
Fairchild Main Plant Site
 Mairoll, Inc.
 East Farmingdale, New York

Site No 1-52-130

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

the discharges from the treatment facility to infiltration basins, shall be limited and monitored by the operator as specified below:

	Discharge Limitations		Units	12/4/2006		10/4/2006		2/27/2007		3/20/2007		4/4/2007		5/11/2007	
Outfall Number and Parameter	Daily Ave.	Daily Max		Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading
Outfall 001 - Treated Groundwater Remediation Discharge:					(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)
Flow	Monitor	360,000	gpd	286,900		270,720		268,230		135,735		108,710		61,155	
pH (range)	6.5 to 8.5		SU	7.0		6.8		7.2		7.0		6.9		7.2	
Total Dissolved Solids	Monitor	1,000	mg/L	120	91	110	78	170	120	140	50	110	31	140	23
Vinyl Chloride	Monitor	2.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
cis 1,2 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Chloroform	Monitor	7.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1,1 Trichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Benzene	Monitor	1.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Trichloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Tetrachloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Freon 113	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Iron, Total	Monitor	Monitor	ug/L	300	227	240	171	850	600	270	96	250	72	50	8
Manganese, Total	Monitor	Monitor	ug/L	79	60	80	57	80	56	80	29	80	23	100	16
Zinc, Total	Monitor	Monitor	ug/L	20	15	20	14	20	14	20	7	20	6	20	3

BMDL=Below Method Detection Limit

Table 4-2
NYSDEC Groundwater Discharge Criteria and Results
Fairchild Main Plant Site
 Mairoll, Inc.
 East Farmingdale, New York

Site No 1-52-130

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

the discharges from the treatment facility to infiltration basins, shall be limited and monitored by the operator as specified below:

Outfall Number and Parameter	Discharge Limitations		Units	6/6/2007		7/12/2007		8/14/2007		9/14/2007		10/4/2007		11/15/2007	
	Daily Ave.	Daily Max		Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading
Outfall 001 - Treated Groundwater Remediation Discharge:					(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)
Flow	Monitor	360,000	gpd	110,705		184,174		270,720		183,091		274,435		346,871	
pH (range)	6.5 to 8.5		SU	6.9		6.5		6.7		6.1		6.1		6.4	
Total Dissolved Solids	Monitor	1,000	mg/L	130	38	120	58	130	93	160	77	180	130	130	119
Vinyl Chloride	Monitor	2.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
cis 1,2 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Chloroform	Monitor	7.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1,1 Trichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Benzene	Monitor	1.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Trichloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Tetrachloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Freon 113	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Iron, Total	Monitor	Monitor	ug/L	350	102	270	131	290	207	260	125	260	188	300	274
Manganese, Total	Monitor	Monitor	ug/L	80	23	80	39	70	50	80	39	80	58	80	73
Zinc, Total	Monitor	Monitor	ug/L	30	9	30	15	10	7	20	10	20	14	10	9

BMDL=Below Method Detection Limit

Table 4-2
NYSDEC Groundwater Discharge Criteria and Results
Fairchild Main Plant Site
Mairroll, Inc.
East Farmingdale, New York

Site No 1-52-130

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

the discharges from the treatment facility to infiltration basins, shall be limited and monitored by the operator as specified below:

	Discharge Limitations		Units	12/11/2007		1/9/2008		2/15/2008		4/2/2008		5/1
Outfall Number and Parameter	Daily Ave.	Daily Max		Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.
Outfall 001 - Treated Groundwater Remediation Discharge:					(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)	
Flow	Monitor	360,000	gpd	358,253		243,027		203,441		148,876		245,678
pH (range)	6.5 to 8.5		SU	6.3		6.5		6.1		6.2		6.2
Total Dissolved Solids	Monitor	1,000	mg/L	150	141	150	96	98	52	130	51	140
Vinyl Chloride	Monitor	2.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
cis 1,2 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Chloroform	Monitor	7.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1,1 Trichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Benzene	Monitor	1.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Trichloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Tetrachloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Freon 113	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Iron, Total	Monitor	Monitor	ug/L	260	245	260	166	300	161	340	133	240
Manganese, Total	Monitor	Monitor	ug/L	80	75	80	51	80	43	80	31	80
Zinc, Total	Monitor	Monitor	ug/L	20	19	20	13	10	5	20	8	20

BMDL=Below Method Detection Limit

Table 4-2
NYSDEC Groundwater Discharge Criteria and Results
Fairchild Main Plant Site
Mairroll, Inc.
East Farmingdale, New York

Site No 1-52-130

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

the discharges from the treatment facility to infiltration basins, shall be limited and monitored by the operator as specified below:

	Discharge Limitations		Units	6/2008	6/5/2008		7/15/2008		8/7/2008		9/15/2008	
Outfall Number and Parameter	Daily Ave.	Daily Max		Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading
Outfall 001 - Treated Groundwater Remediation Discharge:				(lbs/gal)		(lbs/gal)			(lbs/gal)		(lbs/gal)	
Flow	Monitor	360,000	gpd		77,152		161,955		120,737		227,032	
pH (range)	6.5 to 8.5		SU		7.3		7.2		7.2		7.2	
Total Dissolved Solids	Monitor	1,000	mg/L	91	130	26	170	72	130	41	140	84
Vinyl Chloride	Monitor	2.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
cis 1,2 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Chloroform	Monitor	7.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1,1 Trichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Benzene	Monitor	1.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Trichloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Tetrachloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Freon 113	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Iron, Total	Monitor	Monitor	ug/L	155	470	95	300	128	330	105	410	245
Manganese, Total	Monitor	Monitor	ug/L	52	80	16	80	34	90	29	80	48
Zinc, Total	Monitor	Monitor	ug/L	13	10	2	20	9	20	6	20	12

BMDL=Below Method Detection Limit

Table 4-2
NYSDEC Groundwater Discharge Criteria and Results
Fairchild Main Plant Site
Mairoll, Inc.
East Farmingdale, New York

Site No 1-52-130

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

the discharges from the treatment facility to infiltration basins, shall be limited and monitored by the operator as specified below:

	Discharge Limitations			10/17/2008	
Outfall Number and Parameter	Daily Ave.	Daily Max	Units	Conc.	Mass Loading
Outfall 001 - Treated Groundwater Remediation Discharge:					(lbs/gal)
Flow	Monitor	360,000	gpd	132,600	
pH (range)		6.5 to 8.5	SU	6.9	
Total Dissolved Solids	Monitor	1,000	mg/L	120	42
Vinyl Chloride	Monitor	2.0	ug/L	BMDL	BMDL
1,1 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL
1,1 Dichloroethane	Monitor	5.0	ug/L	BMDL	BMDL
cis 1,2 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL
Chloroform	Monitor	7.0	ug/L	BMDL	BMDL
1,1,1 Trichloroethane	Monitor	5.0	ug/L	BMDL	BMDL
Benzene	Monitor	1.0	ug/L	BMDL	BMDL
Trichloroethylene	Monitor	5.0	ug/L	BMDL	BMDL
Tetrachloroethylene	Monitor	5.0	ug/L	BMDL	BMDL
Freon 113	Monitor	5.0	ug/L	BMDL	BMDL
Iron, Total	Monitor	Monitor	ug/L	900	314
Manganese, Total	Monitor	Monitor	ug/L	80	28
Zinc, Total	Monitor	Monitor	ug/L	20	7

BMDL=Below Method Detection Limit

Table 4-2
NYSDEC Groundwater Discharge Criteria and Results
Fairchild Main Plant Site
Mairroll, Inc.
East Farmingdale, New York

Site No 1-52-130

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

the discharges from the treatment facility to infiltration basins, shall be limited and monitored by the operator as specified below:

	Discharge Limitations		Units	11/14/2008		12/10/2008		1/13/2009		2/11/2009	
Outfall Number and Parameter	Daily Ave.	Daily Max		Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading
Outfall 001 - Treated Groundwater Remediation Discharge:					(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)
Flow	Monitor	360,000	gpd	133,178		123,530		73,003		100,219	
pH (range)	6.5 to 8.5		SU	7.1		6.9		6.4		6.9	
Total Dissolved Solids	Monitor	1,000	mg/L	120	42	190	62	170	33	110	29
Vinyl Chloride	Monitor	2.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
cis 1,2 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Chloroform	Monitor	7.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1,1 Trichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Benzene	Monitor	1.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Trichloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Tetrachloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Freon 113	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Iron, Total	Monitor	Monitor	ug/L	360	126	190	62	380	73	420	111
Manganese, Total	Monitor	Monitor	ug/L	110	39	90	29	80	15	90	24
Zinc, Total	Monitor	Monitor	ug/L	30	11	20	7	20	4	20	5

BMDL=Below Method Detection Limit

Table 4-2
NYSDEC Groundwater Discharge Criteria and Results
Fairchild Main Plant Site
Mairoll, Inc.
East Farmingdale, New York

Site No 1-52-130

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

the discharges from the treatment facility to infiltration basins, shall be limited and monitored by the operator as specified below:

	Discharge Limitations			3/13/2009		4/24/2009		5/12/2009		6/9/2009	
Outfall Number and Parameter	Daily Ave.	Daily Max	Units	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading
Outfall 001 - Treated Groundwater Remediation Discharge:					(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)
Flow	Monitor	360,000	gpd	101,438		52,045		116,838		261,685	
pH (range)	6.5 to 8.5		SU	6.9		5.6		5.8		5.6	
Total Dissolved Solids	Monitor	1,000	mg/L	150	40	140	19	130	40	140	96
Vinyl Chloride	Monitor	2.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
cis 1,2 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Chloroform	Monitor	7.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1,1 Trichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Benzene	Monitor	1.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Trichloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Tetrachloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Freon 113	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Iron, Total	Monitor	Monitor	ug/L	380	101	610	84	490	151	430	296
Manganese, Total	Monitor	Monitor	ug/L	80	21	80	11	90	28	80	55
Zinc, Total	Monitor	Monitor	ug/L	20	5	30	4	30	9	30	21

BMDL=Below Method Detection Limit

Table 4-2
NYSDEC Groundwater Discharge Criteria and Results
Fairchild Main Plant Site
 Mairoll, Inc.
 East Farmingdale, New York

Site No 1-52-130

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

the discharges from the treatment facility to infiltration basins, shall be limited and monitored by the operator as specified below:

	Discharge Limitation		Units	7/16/2009		8/7/2009		9/9/2009		10/12/2009		11/25/2009
Outfall Number and Parameter	Daily Ave.	Daily Max		Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.
Outfall 001 - Treated Groundwater Remediation Discharge:					(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)	
Flow	Monitor	360,000	gpd	178,483		286,247		229,039		278,712		239,292
pH (range)	6.5 to 8.5		SU	6.7		5.4		5.6		5.4		6.8
Total Dissolved Solids	Monitor	1,000	mg/L	130	61	230	173	120	72	130	95	170
Vinyl Chloride	Monitor	2.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
cis 1,2 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Chloroform	Monitor	7.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1,1 Trichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Benzene	Monitor	1.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Trichloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Tetrachloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Freon 113	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Iron, Total	Monitor	Monitor	ug/L	390	183	910	686	480	289	490	359	430
Manganese, Total	Monitor	Monitor	ug/L	80	38	70	53	90	54	80	59	90
Zinc, Total	Monitor	Monitor	ug/L	20	9	60	45	30	18	20	15	20

BMDL=Below Method Detection Limit

Table 4-2
NYSDEC Groundwater Discharge Criteria and Results
Fairchild Main Plant Site
 Mairoll, Inc.
 East Farmingdale, New York

Site No 1-52-130

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

the discharges from the treatment facility to infiltration basins, shall be limited and monitored by the operator as specified below:

Outfall Number and Parameter	Discharge Limitations		Units	1/2009	12/15/2009		1/22/2010		3/2/2010		3/18/2010	
	Daily Ave.	Daily Max		Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading
Outfall 001 - Treated Groundwater Remediation Discharge:				(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)
Flow	Monitor	360,000	gpd		231,963		286,124		289,581		257,176	
pH (range)	6.5 to 8.5		SU		7.0		7.0		7.2		7.3	
Total Dissolved Solids	Monitor	1,000	mg/L	107	110	67	100	75	110	84	120	81
Vinyl Chloride	Monitor	2.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
cis 1,2 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Chloroform	Monitor	7.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1,1 Trichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Benzene	Monitor	1.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Trichloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Tetrachloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Freon 113	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Iron, Total	Monitor	Monitor	ug/L	271	380	232	400	301	350	267	150	102
Manganese, Total	Monitor	Monitor	ug/L	57	90	55	90	68	90	69	90	61
Zinc, Total	Monitor	Monitor	ug/L	13	10	6	20	15	20	15	20	14

BMDL=Below Method Detection Limit

Table 4-2
NYSDEC Groundwater Discharge Criteria and Results
Fairchild Main Plant Site
Mairoll, Inc.
East Farmingdale, New York

Site No 1-52-130

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

the discharges from the treatment facility to infiltration basins, shall be limited and monitored by the operator as specified below:

Outfall Number and Parameter	Discharge Limitations		Units	4/16/2010		5/26/2010		6/17/2010		7/21/2010		8/12/2010	
	Daily Ave.	Daily Max		Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading
Outfall 001 - Treated Groundwater Remediation Discharge:					(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)
Flow	Monitor	360,000	gpd	248,474		89,709		185,777		257,475		309,972	
pH (range)	6.5 to 8.5		SU	7.3		7.3		7.3		7.2		7.4	
Total Dissolved Solids	Monitor	1,000	mg/L	130	85	110	26	120	59	140	95	130	106
Vinyl Chloride	Monitor	2.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
cis 1,2 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Chloroform	Monitor	7.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1,1 Trichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Benzene	Monitor	1.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Trichloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Tetrachloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Freon 113	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Iron, Total	Monitor	Monitor	ug/L	120	78	150	35	120	59	140	95	140	114
Manganese, Total	Monitor	Monitor	ug/L	90	59	90	21	90	44	90	61	90	73
Zinc, Total	Monitor	Monitor	ug/L	10	7	0	0	20	10	10	7	20	16

BMDL=Below Method Detection Limit

Table 4-2
NYSDEC Groundwater Discharge Criteria and Results
Fairchild Main Plant Site
Mairroll, Inc.
East Farmingdale, New York

Site No 1-52-130

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

the discharges from the treatment facility to infiltration basins, shall be limited and monitored by the operator as specified below:

Outfall Number and Parameter	Discharge Limitations		Units	9/14/2010		10/13/2010		11/19/2010		12/21/2010		1/6/2011		2/1
	Daily Ave.	Daily Max		Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.
Outfall 001 - Treated Groundwater Remediation Discharge:				(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)		
Flow	Monitor	360,000	gpd	236,656		607,890		116,923		74,406		242,024		273,109
pH (range)	6.5 to 8.5		SU	7.1		7.4		7.2		7.2		7.2		7.7
Total Dissolved Solids	Monitor	1,000	mg/L	120	75	180	288	280	86	110	22	100	64	100
Vinyl Chloride	Monitor	2.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
cis 1,2 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Chloroform	Monitor	7.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1,1 Trichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Benzene	Monitor	1.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Trichloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Tetrachloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Freon 113	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Iron, Total	Monitor	Monitor	ug/L	160	100	150	240	140	43	150	29	130	83	120
Manganese, Total	Monitor	Monitor	ug/L	90	56	90	144	90	28	90	18	90	57	90
Zinc, Total	Monitor	Monitor	ug/L	20	12	20	32	30	9	30	6	20	13	30

BMDL=Below Method Detection Limit

Table 4-2
NYSDEC Groundwater Discharge Criteria and Results
Fairchild Main Plant Site
Mairoll, Inc.
East Farmingdale, New York

Site No 1-52-130

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

the discharges from the treatment facility to infiltration basins, shall be limited and monitored by the operator as specified below:

Outfall Number and Parameter	Discharge Limitations		Units	0/2011	3/16/2011		4/8/2011		2/17/2012		3/30/2012		4/
	Daily Ave.	Daily Max		Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.
Outfall 001 - Treated Groundwater Remediation Discharge:				(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)	
Flow	Monitor	360,000	gpd		268,682		288,000		288,000		288,000		288,000
pH (range)	6.5 to 8.5		SU		7.4		7.4		7.2		7.3		7.5
Total Dissolved Solids	Monitor	1,000	mg/L	72	120	85	120	91	98	74	110	83	130
Vinyl Chloride	Monitor	2.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
cis 1,2 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Chloroform	Monitor	7.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1,1 Trichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Benzene	Monitor	1.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Trichloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Tetrachloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Freon 113	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Iron, Total	Monitor	Monitor	ug/L	86	120	85	120	91	160	121	150	114	140
Manganese, Total	Monitor	Monitor	ug/L	65	90	64	90	68	100	76	100	76	90
Zinc, Total	Monitor	Monitor	ug/L	22	40	28	40	30	40	30	30	23	30

BMDL=Below Method Detection Limit

Table 4-2
NYSDEC Groundwater Discharge Criteria and Results
Fairchild Main Plant Site
 Mairoll, Inc.
 East Farmingdale, New York

Site No 1-52-130

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

the discharges from the treatment facility to infiltration basins, shall be limited and monitored by the operator as specified below:

	Discharge Limitations			30/2012	7/5/2012		8/6/2012		10/19/2012		1/17/2013		2/26/2013		4/
Outfall Number and Parameter	Daily Ave.	Daily Max	Units	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.
Outfall 001 - Treated Groundwater Remediation Discharge:				(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)	
Flow	Monitor	360,000	gpd		288,000		288,000		288,000		288,000		288,000		288,000
pH (range)	6.5 to 8.5		SU		6.9		7.0		7.2		7.4		7.3		6.9
Total Dissolved Solids	Monitor	1,000	mg/L	99	106	80	126	96	117	89	119	90	115	87	98
Vinyl Chloride	Monitor	2.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
cis 1,2 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Chloroform	Monitor	7.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1,1 Trichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Benzene	Monitor	1.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Trichloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Tetrachloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Freon 113	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Iron, Total	Monitor	Monitor	ug/L	106	150	114	160	121	170	129	170	129	150	114	3300
Manganese, Total	Monitor	Monitor	ug/L	68	90	68	100	76	90	68	100	76	100	76	120
Zinc, Total	Monitor	Monitor	ug/L	23	40	30	40	30	30	23	40	30	40	30	30

BMDL=Below Method Detection Limit

Table 4-2
NYSDEC Groundwater Discharge Criteria and Results
Fairchild Main Plant Site
Mairoll, Inc.
East Farmingdale, New York

Site No 1-52-130

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

the discharges from the treatment facility to infiltration basins, shall be limited and monitored by the operator as specified below:

Outfall Number and Parameter	Discharge Limitations		Units	4/2013	8/6/2013		10/16/2013		10/16/2013	
	Daily Ave.	Daily Max		Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading	Conc.	Mass Loading
Outfall 001 - Treated Groundwater Remediation Discharge:				(lbs/gal)		(lbs/gal)		(lbs/gal)		(lbs/gal)
Flow	Monitor	360,000	gpd		288,000		288,000		288,000	
pH (range)	6.5 to 8.5		SU		7.1		6.8		6.8	
Total Dissolved Solids	Monitor	1,000	mg/L	74	113	86	120	91	113	86
Vinyl Chloride	Monitor	2.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1 Dichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
cis 1,2 Dichloroethene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Chloroform	Monitor	7.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
1,1,1 Trichloroethane	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Benzene	Monitor	1.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Trichloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Tetrachloroethylene	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Freon 113	Monitor	5.0	ug/L	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL
Iron, Total	Monitor	Monitor	ug/L	2501	240	182	200	152	190	144
Manganese, Total	Monitor	Monitor	ug/L	91	100	76	110	83	100	76
Zinc, Total	Monitor	Monitor	ug/L	23	20	15	50	38	50	38

BMDL=Below Method Detection Limit

TABLE 4-3
GROUNDWATER REMEDIATION SYSTEM PERFORMANCE
FAIRCHILD PLANT SITE
 MAIROLL, INC.
 EAST FARMINGDALE, NEW YORK

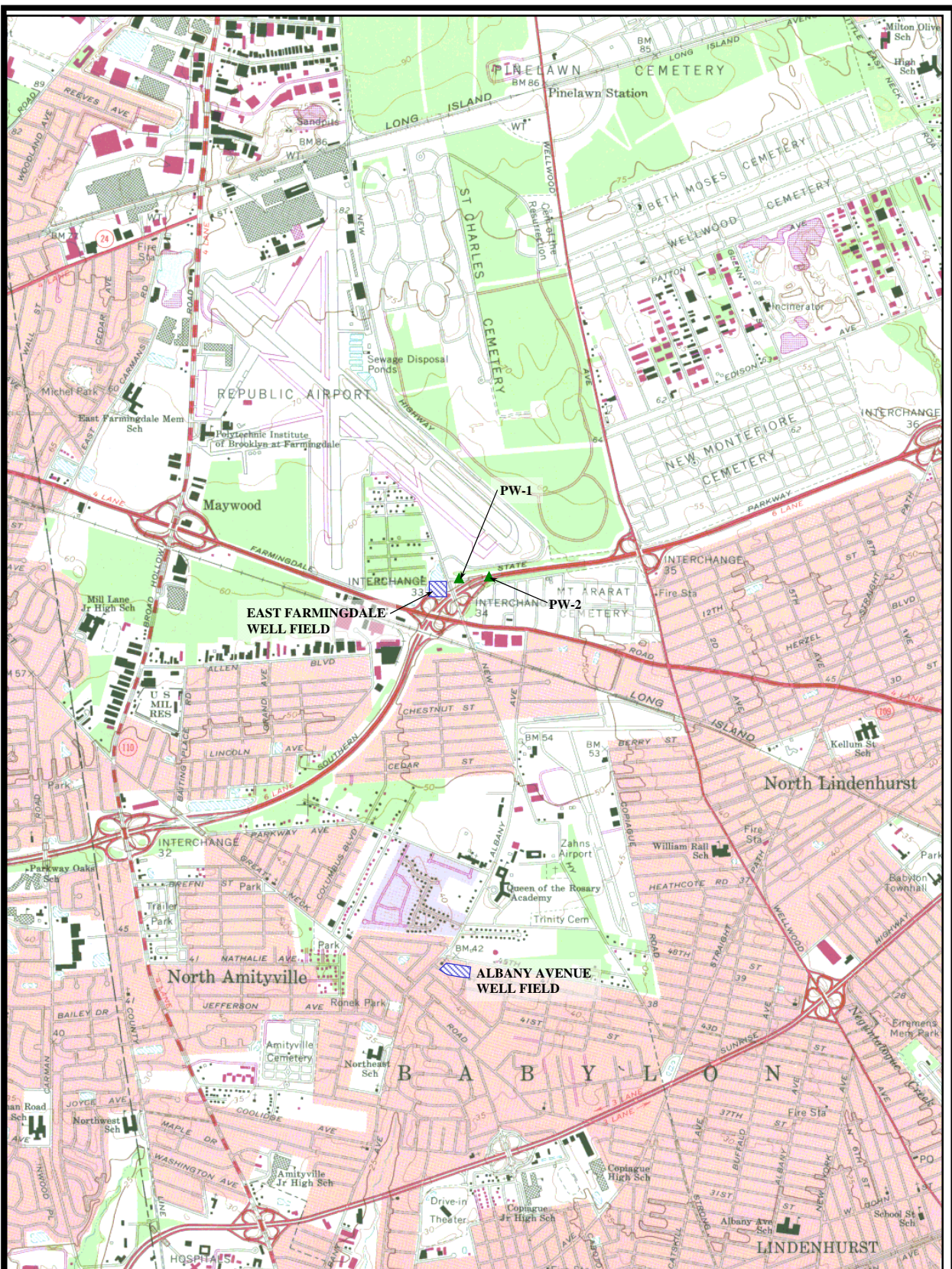
Date	Input Parameters		Water Extracted (gallons)	Mass Removed ⁽¹⁾ (pounds)	Cumulative Mass Removed	
	Water Meter (gallons)	Total Influent VOC Concentration (ug/L)			(pounds)	(gallons) ⁽¹⁾
February 21, 2005	50,000	2733	50,000	1.14	1	0.1
March 22, 2005	50,000		0	0.00	1	0.1
March 23, 2005	500,000	1704	450,000	6.40	8	0.6
March 24, 2005	811,175	1861	311,175	4.83	12	1.0
March 25, 2005	1,118,685	1761	307,510	4.52	17	1.4
March 28, 2005	1,947,713	4388	829,028	30.37	47	3.9
March 29, 2005	2,573,965	2908	626,252	15.20	62	5.2
March 30, 2005	3,014,562	1815	440,597	6.68	69	5.7
March 31, 2005	3,513,440	1937	498,878	8.07	77	6.4
April 1, 2005	4,017,900	1876	504,460	7.90	85	7.0
April 4, 2005	5,421,470	1976	1,403,570	23.15	108	8.9
April 11, 2005	8,937,425	2016	3,515,955	59.17	167	13.8
April 13, 2005	9,924,993	1937	987,568	15.97	183	15.1
April 18, 2005	12,313,446	2030	2,388,453	40.48	224	18.5
May 4, 2005	20,567,655	1864	8,254,209	128.44	352	29.1
June 1, 2005	35,075,455	1822	14,507,800	220.66	573	47.3
July 7, 2005	53,098,507	1832	18,023,052	275.64	849	70.1
August 1, 2005	68,166,757	2108	15,068,250	265.17	1,114	92.0
September 9, 2005	89,174,306	1748	21,007,549	306.55	1,420	117.3
October 7, 2005	99,842,906	1820	10,668,600	162.09	1,582	130.7
January 5, 2006	122,738,349	1904	22,895,443	363.91	1,946	160.7
February 10, 2006	139,016,185	1958	16,277,836	266.07	2,212	182.7
March 2, 2006	146,528,586	1983	7,512,401	124.36	2,337	193.0
April 5, 2006	157,793,670	1877	11,265,084	176.49	2,513	207.5
May 3, 2006	165,619,765	1961	7,826,095	128.12	2,641	218.1
June 9, 2006	175,552,550	2026	9,932,785	167.99	2,809	232.0
July 6, 2006	178,348,119	2917	2,795,569	68.08	2,877	237.6
August 4, 2006	184,265,939	2140	5,917,820	105.72	2,983	246.3
September 6, 2006	190,132,440	2130	5,866,501	104.31	3,087	255.0
October 6, 2006	197,101,368	2103	6,968,928	122.35	3,210	265.1
December 8, 2006	205,711,143	2393	8,609,775	172.00	3,382	279.3
February 27, 2007	213,758,086	3448	8,046,943	231.62	3,613	298.4
March 20, 2007	217,830,141	2295	4,072,055	78.02	3,691	304.8
April 4, 2007	221,091,447	2125	3,261,306	57.85	3,749	309.6
May 11, 2007	222,926,107	2776	1,834,660	42.52	3,792	313.1
June 13, 2007	226,247,267	2429	3,321,160	67.34	3,859	318.7
July 12, 2007	231,772,495	2064	5,525,228	95.20	3,954	326.5
August 10, 2007	236,491,693	1975	4,719,198	77.81	4,032	333.0
September 14, 2007	241,984,437	2096	5,492,744	96.11	4,128	340.9
October 4, 2007	244,891,682	2188	2,907,245	53.10	4,181	345.3
November 15, 2007	259,460,267	2336	14,568,585	284.10	4,465	368.7
December 11, 2007	268,774,842	1934	9,314,575	150.38	4,616	381.2
January 9, 2008	275,822,619	2034	7,047,777	119.67	4,736	391.0
February 15, 2008	283,349,950	2125	7,527,331	133.53	4,869	402.1
April 2, 2008	290,347,144	2189	6,997,194	127.87	4,997	412.6
May 16, 2008	301,156,974	2172	10,809,830	196.00	5,193	428.8
June 6, 2008	302,777,174	2536	1,620,200	34.30	5,227	431.6
July 18, 2008	309,586,726	1986	6,809,552	112.90	5,340	441.0
August 7, 2008	310,676,375	2119	1,089,649	19.28	5,359	442.6
September 5, 2008	316,940,404	2180	6,264,029	114.00	5,473	452.0
October 17, 2008	320,987,284	2832	4,046,880	95.67	5,569	459.9
November 14, 2008	324,716,281	2329	3,728,997	72.50	5,642	465.9
December 10, 2008	327,928,061	2266	3,211,780	60.76	5,702	470.9
January 13, 2009	330,422,573	2240	2,494,512	46.65	5,749	474.7
February 11, 2009	333,329,981	2086	2,907,408	50.63	5,800	478.9
March 13, 2009	336,371,713	2192	3,041,732	55.66	5,855	483.5
April 24, 2009	338,557,617	2426	2,185,904	44.27	5,900	487.2
May 12, 2009	340,660,702	2206	2,103,085	38.73	5,938	490.4
June 9, 2009	347,987,887	2173	7,327,185	132.92	6,071	501.3
July 16, 2009	354,591,767	2040	6,603,880	112.46	6,184	510.6
August 7, 2009	360,889,210	1880	6,297,443	98.83	6,283	518.8
September 9, 2009	368,447,513	1937	7,558,303	122.22	6,405	528.9
October 12, 2009	377,645,040	1961	9,197,527	150.57	6,555	541.3
November 25, 2009	386,977,436	2028	9,332,396	158.00	6,713	554.4
December 15, 2009	391,634,734	2192	4,657,298	85.22	6,799	561.4
January 22, 2010	402,467,724	1915	10,832,990	173.18	6,972	575.7
March 2, 2010	413,758,161	2114	11,290,437	199.25	7,171	592.2
March 18, 2010	417,911,735	1727	4,153,574	59.88	7,231	597.1
April 16, 2010	424,942,756	1806	7,031,021	106.00	7,337	605.8
May 26, 2010	427,431,260	2192	2,488,504	45.54	7,382	609.6
June 17, 2010	431,459,514	1939	4,028,254	65.20	7,448	615.0
July 21, 2010	439,414,411	1872	7,954,897	124.32	7,572	625.3
August 12, 2010	441,697,439	1987	2,283,028	37.87	7,610	628.4
September 14, 2010	449,499,207	1787	7,801,768	116.39	7,726	638.0
October 13, 2010	455,903,160	1901	6,403,953	101.63	7,828	646.4
November 19, 2010	460,206,156	1845	4,302,996	66.28	7,894	651.9
December 21, 2010	462,590,264	2118	2,384,108	42.15	7,936	655.3
January 6, 2011	466,487,851	1716	3,897,587	55.83	7,992	660.0
February 10, 2011	476,029,609	1622	9,541,758	129.20	8,121	670.6
March 16, 2011	481,162,553	1851	5,132,944	79.32	8,201	677.2
April 8, 2011	486,890,527	1825	5,727,974	87.27	8,288	684.4
February 17, 2012	507,818,339	1726	2,915,787	42.01	8,330	687.8
March 30, 2012	516,155,517	1687	8,337,178	117.41	8,447	697.5
April 30, 2012	525,421,287	1732	2,915,260	42.15	8,585	708.9
May 22, 2012	532,037,897	2000	6,616,610	110.47	8,695	718.0
June 11, 2012	538,067,258	2000	6,029,361	100.67	8,796	726.4
July 26, 2012	548,444,577	2206	10,377,319	191.11	8,987	742.1
August 15, 2012	554,406,527	2000	2,641,100	44.10	9,094	751.0
September 17, 2012	561,475,957	2000	7,069,430	118.03	9,212	760.7

TABLE 4-4
AVERAGE TOTAL CHLORINATED VOC CONCENTRATION
FAIRCHILD MAIN PLANT SITE
 MAIROLL, INC.
 EAST FARMINGDALE, NEW YORK




Well No.	Baseline Total CVOC Concentration (µg/L) June-04	Total VOC Concentration (µg/L) June-05	Total VOC Concentration (µg/L) June-06	Total VOC Concentration (µg/L) July-07	Total VOC Concentration (µg/L) July-08	Total VOC Concentration (µg/L) July-09	Total VOC Concentration (µg/L) August-10	Total VOC Concentration (µg/L) November-13
MW-42I	20	23	10	9	5	11	20	2
MW-42D	62	71	32	45	39	40	46	60
MW-43I	740	589	782	406	506	416	232	350
MW-46I	222	143	128	103	95	2	66	71
S-66133	277	231	229	239	106	210	56	264
MW-41	1,123	367	198	110	122	97	57	109
MW-49I	1,365	346	155	107	165	264	184	218
MW-49D	2,024	1,926	2,594	2,456	2732	2,373	1,164	1014
MW-37I	3,437	2,817	1,986	1,676	1813	1,971	1,448	781
Average	1,030	724	679	572	620	598	364	319
STD Deviation	1,127	975	953	877	975	908	543	351
STD Error	376	325	318	292	325	303	181	117
t (95%)	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83
Confidence Interval 95%	1,719	1,320	1,262	1,108	1,216	1,153	696	533

Note: Samples that contained CVOCs below the MDL were given a value of 1.

* MW-50 has been removed from this evaluation as the well is not within the capture zone of the extraction wells.



LEGEND

-  WELL FIELD
-  MONITORING WELL
-  RECOVERY WELL

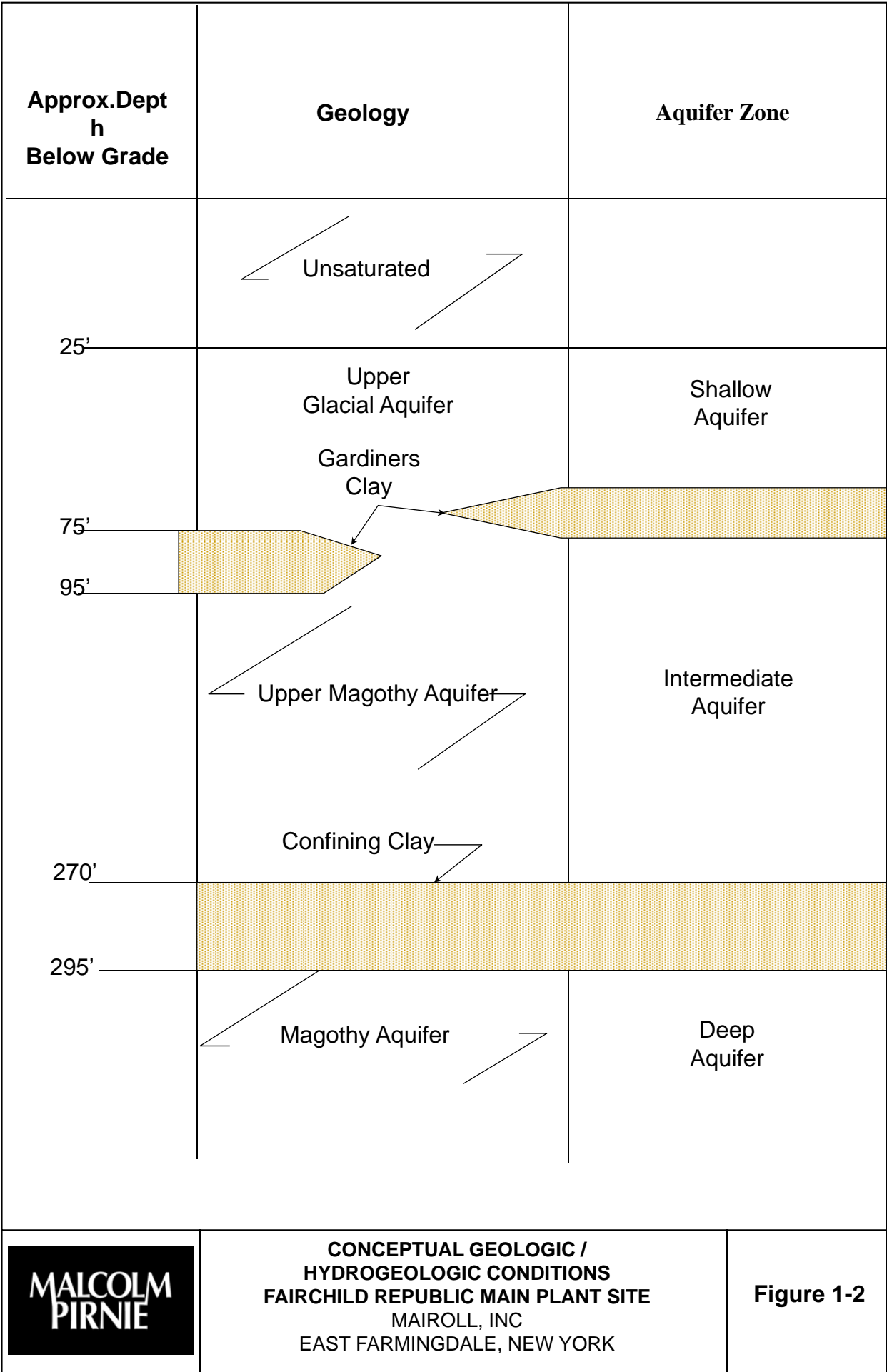
0 2,000 4,000 Feet

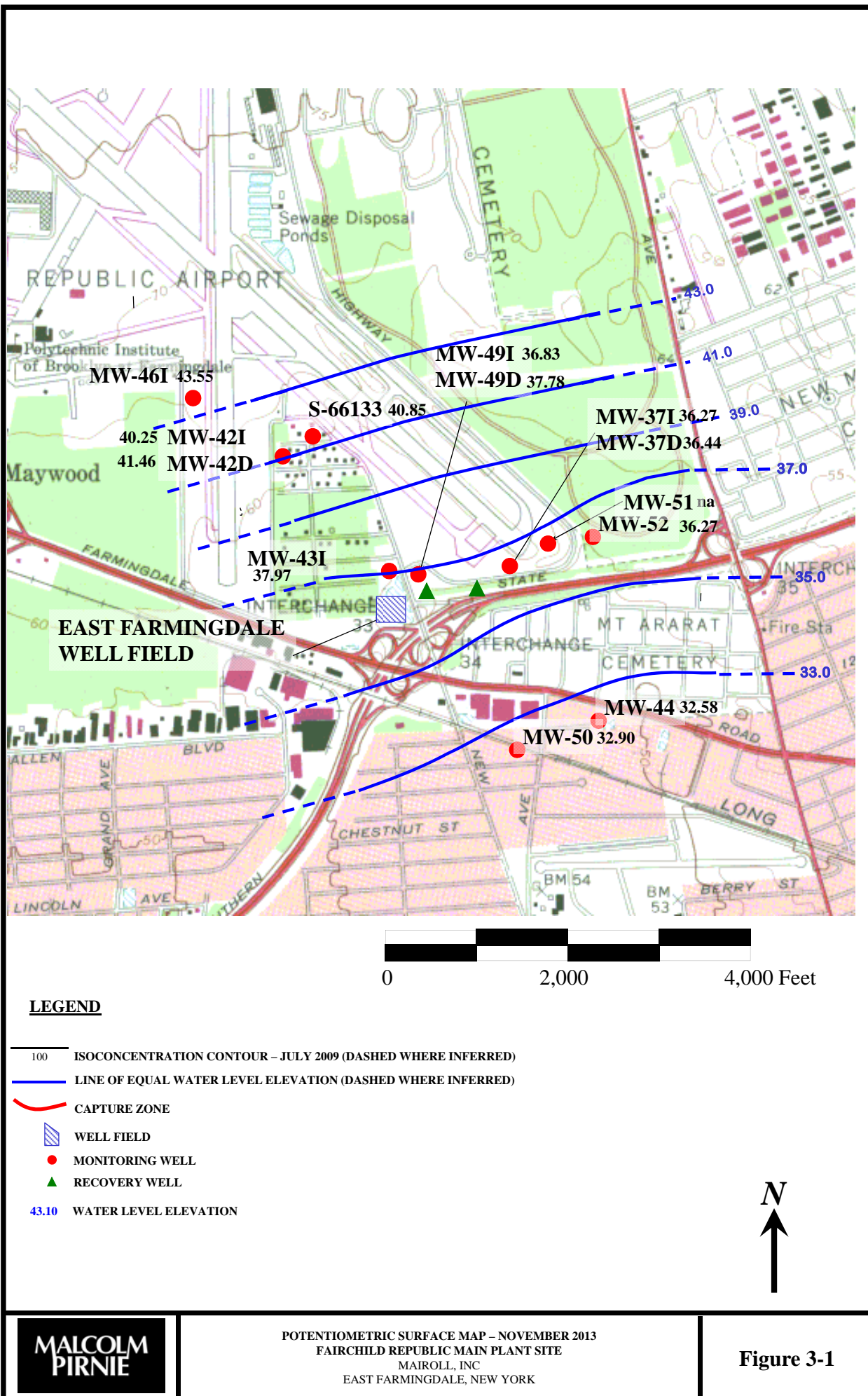


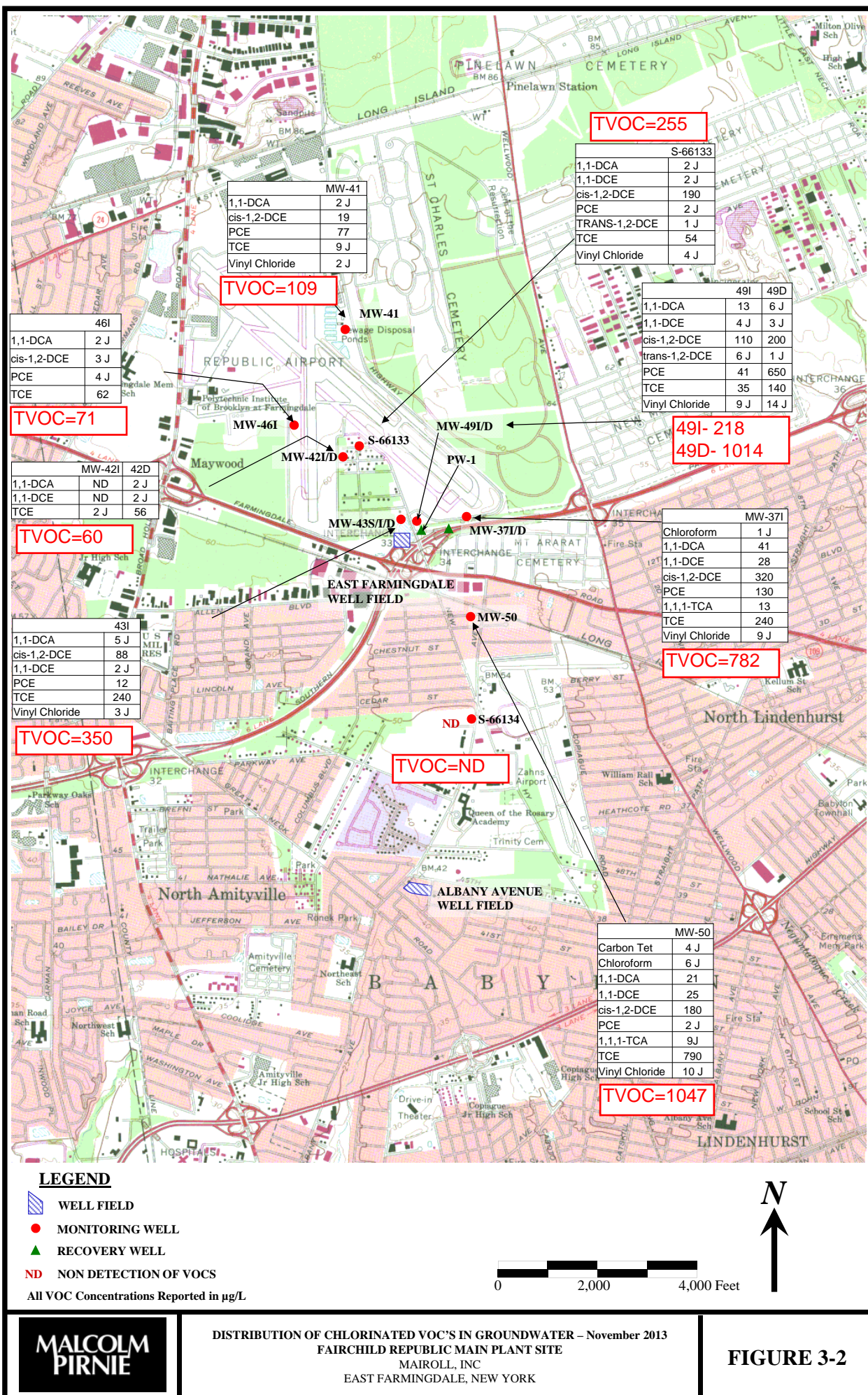
**MALCOLM
PIRNIE**

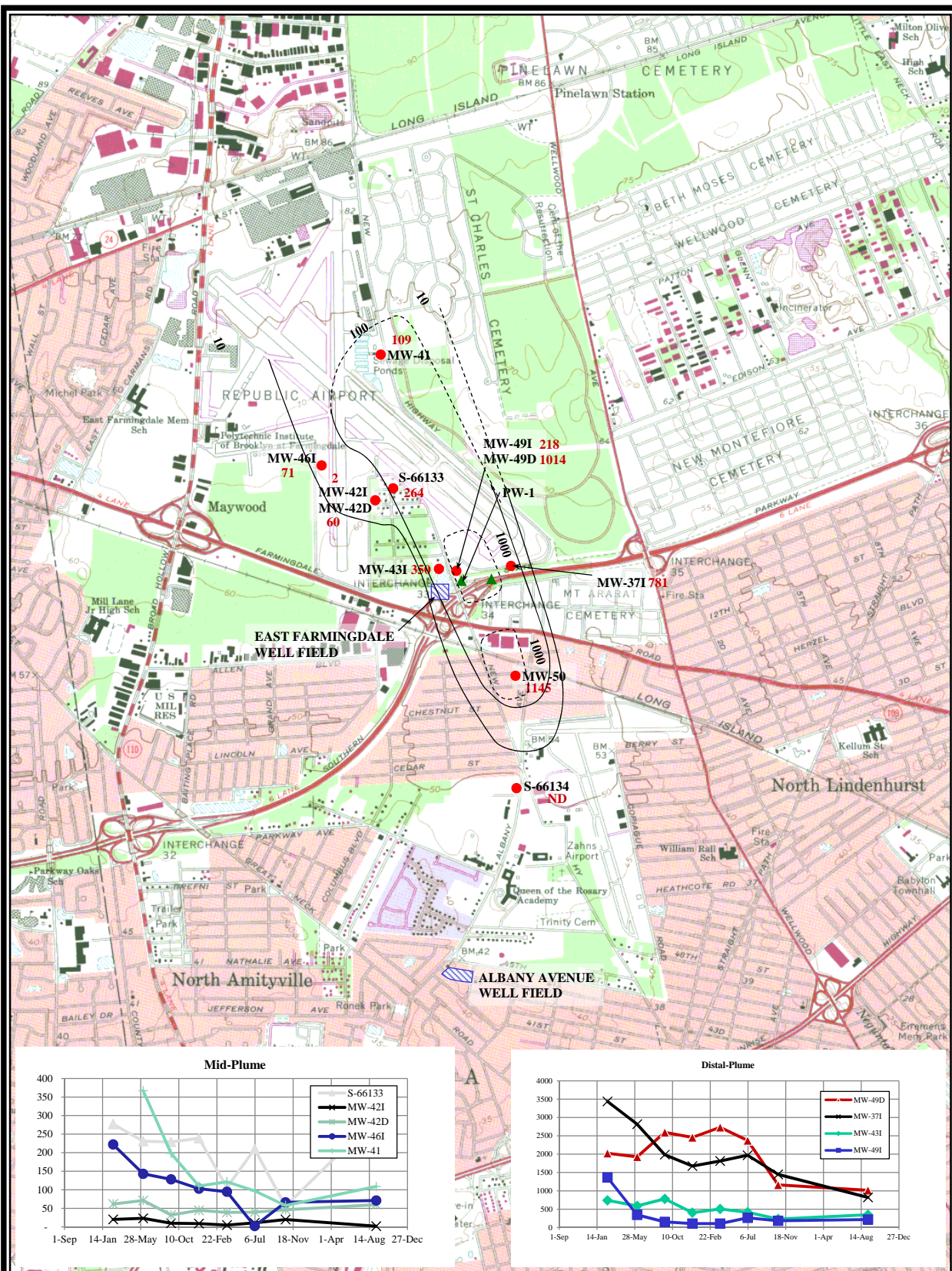
SITE LOCATION
FAIRCHILD REPUBLIC MAIN PLANT SITE
 MAIROLL, INC
 EAST FARMINGDALE, NEW YORK

FIGURE 1-1









LEGEND

- WELL FIELD
- MONITORING WELL
- RECOVERY WELL

1157 TOTAL VOC (µg/L) (May include compounds at estimated ["J" qualifier] concentrations.

ISOCONCENTRATION CONTOUR (inferred where dashed)

100

*ALL VOC CONCENTRATIONS ARE ROUNDED TO NEAREST WHOLE NUMBER

0 2,000 4,000 Feet







**MALCOLM
PIRNIE**

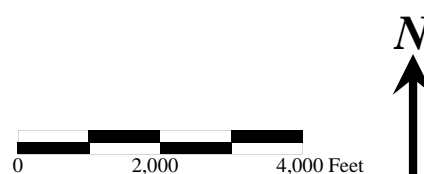
SITE-RELATED TOTAL CHLORINATED VOC'S, INTERMEDIATE ZONE – November 2013
FAIRCHILD REPUBLIC MAIN PLANT SITE
MAIROLL, INC
EAST FARMINGDALE, NEW YORK

FIGURE 3-3



LEGEND

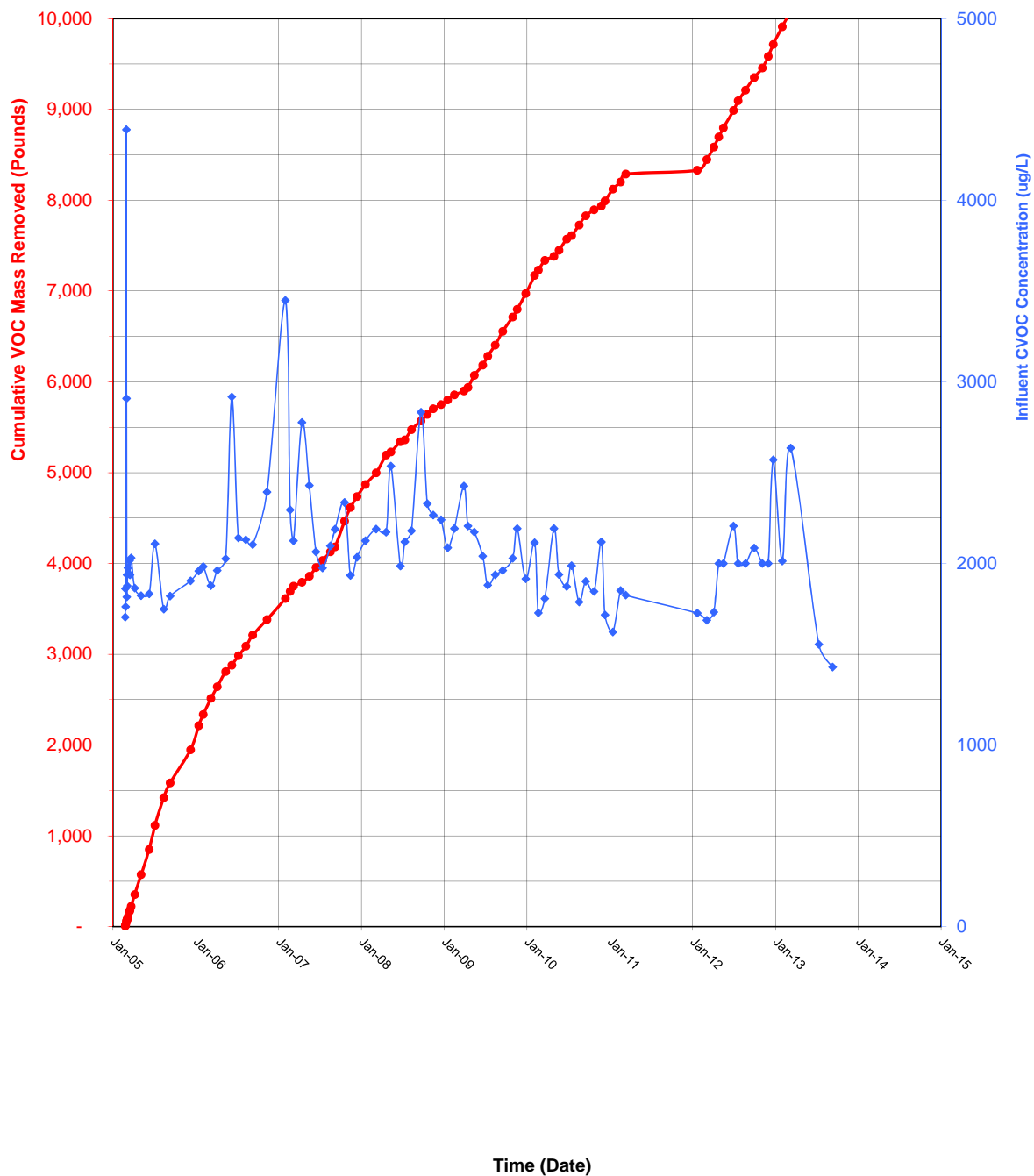
-  WELL FIELD
-  MONITORING WELL
-  RECOVERY WELL
-  1,4-DIOXANE (µg/L)

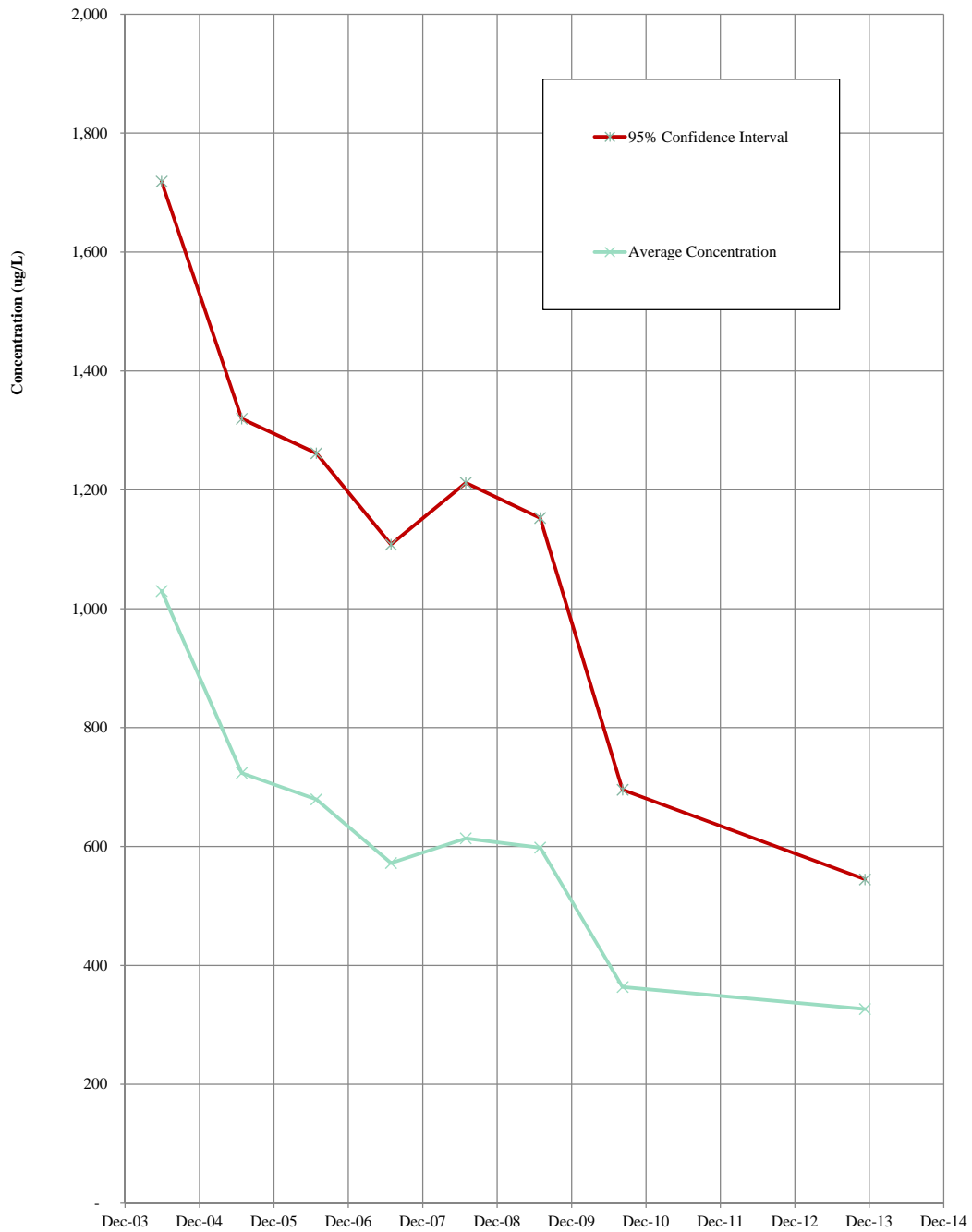


**MALCOLM
PIRNIE**

1,4-DIOXANE, INTERMEDIATE ZONE – November 2013
FAIRCHILD REPUBLIC MAIN PLANT SITE
MAIROLL, INC
EAST FARMINGDALE, NEW YORK

FIGURE 3-4





APPENDIX A

October 15, 2013

Robert Corcoran, P.E.
New York State Department of Environmental Conservation
Div. of Environmental Remediation
Remedial Bureau A, Section C
625 Broadway, 12th Floor
Albany, NY 12233-7015

Re: Fairchild Republic Main Plant Site

Dear Mr. Corcoran,

We are receipt of your letter (on October 10, 2013) dated September 30, 2013. The Fairchild Liquidating Trust is willing to resume periodic groundwater sampling at the above referenced site. We ask for approval to reduce the number of wells sampled from 33 to 11. Groundwater was sampled from 33 monitoring wells at the site according to the NYSDEC approved Operations, Maintenance, and Monitoring Plan. Groundwater samples were collected annually from 2003 to 2010 with one exception. Groundwater samples were collected semi-annually in 2006 because the treatment plant was started in 2005.

Total (site-related) Volatile Organic Compound (TVOCs) concentrations have been plotted as histograms attached to this document. These data show that the concentration of TVOCs in these wells has remained relatively stable. These data also show that the concentration of TVOCs is relatively low in most of the wells and only 11 wells show TVOCs above >25 ug/L in the last groundwater sampling event in 2010. The Fairchild Liquidating Trust respectfully requests that the number of wells to be sampled are reduced from 33 to 11 (MW-37I, MW-41, MW-42I, MW-42D, MW-43I, MW-46I, MW-49I, MW-49D, MW-50, S-66134, S-66133) that are located in the plume and can be used to show the effectiveness of the groundwater remediation. The 11 monitoring wells are shown on the attached figure.

Imagine the result

ENVIRONMENT

Date:
October 15, 2013

Contact:
Daniel St. Germain

Phone:
(201) 797-7400

Email:
Dan.St.Germain@arcadis-us.com

Our ref:
04724010.0000

The Fairchild Liquidating Trust will re-start groundwater sampling in October/November and is also willing to add 1,4-Dioxane to the analyte list for the following wells (MW-43I, MW-49I, MW-49D, MW-37I, MW-50, and S-66134). We propose to analyze the groundwater samples for 1,4-Dioxane using USEPA Method 8270 SIMs that is an isotopic analysis that allows the laboratory to obtain a lower than normal detection limit.

If you have any questions please contact me (201) 398-4381.

Sincerely,

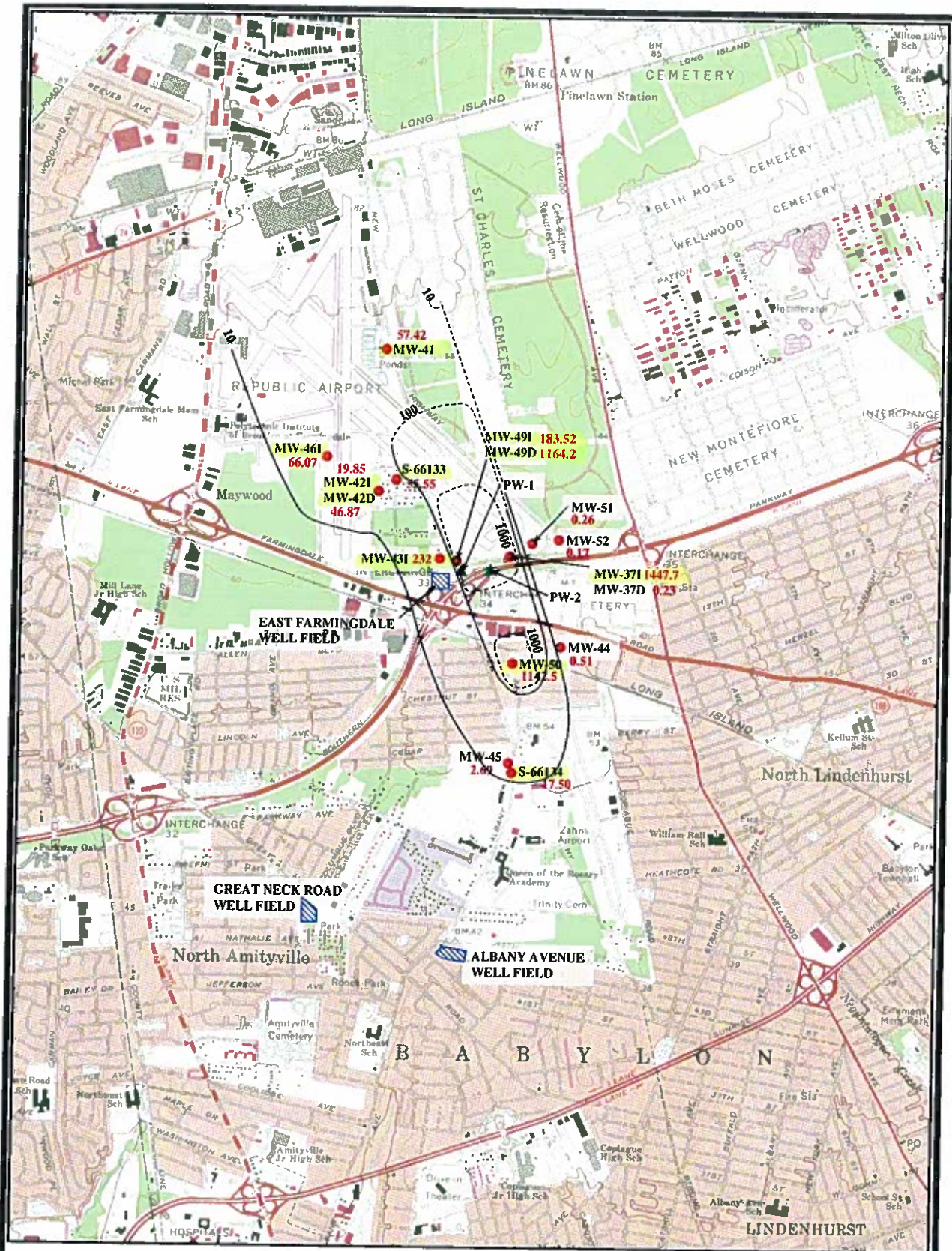
ARCADIS U.S., Inc



Daniel J. St. Germain, PG
Principal Hydrogeologist

Copies:

Donald Miller - The Fairchild Liquidating Trust



LEGEND

- WELL FIELD
- MONITORING WELL
- RECOVERY WELL

231.00 TOTAL VOC (µg/L) (May include compounds at estimated ["J" qualifier] concentrations. See Figure 3-4 and Table 3-1 for estimated concentrations)

ISOCONCENTRATION CONTOUR (inferred where dashed)

*ALL VOC CONCENTRATIONS ARE ROUNDED TO NEAREST WHOLE NUMBER

0 2,000 4,000 Feet

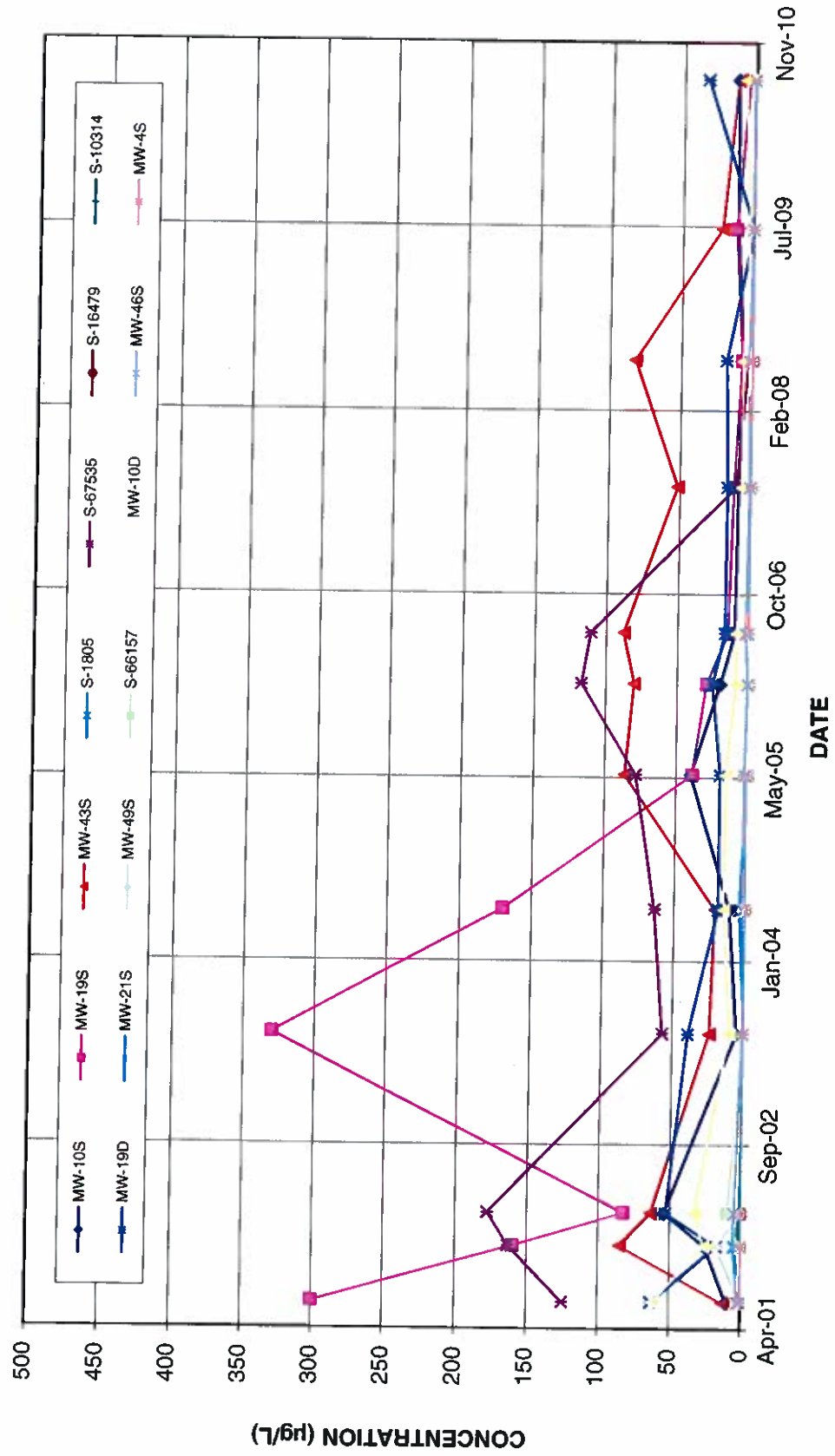


MALCOLM
PIRNIE

TOTAL VOC'S, INTERMEDIATE ZONE - August 2010
FAIRCHILD REPUBLIC MAIN PLANT SITE
MATROLL, INC
EAST FARMINGDALE, NEW YORK

FIGURE 3-7

**TOTAL VOCs SHALLOW ZONE
FAIRCHILD REPUBLIC MAIN PLANT SITE
MAIRROLL, INC.
EAST FARMINGDALE, NEW YORK**



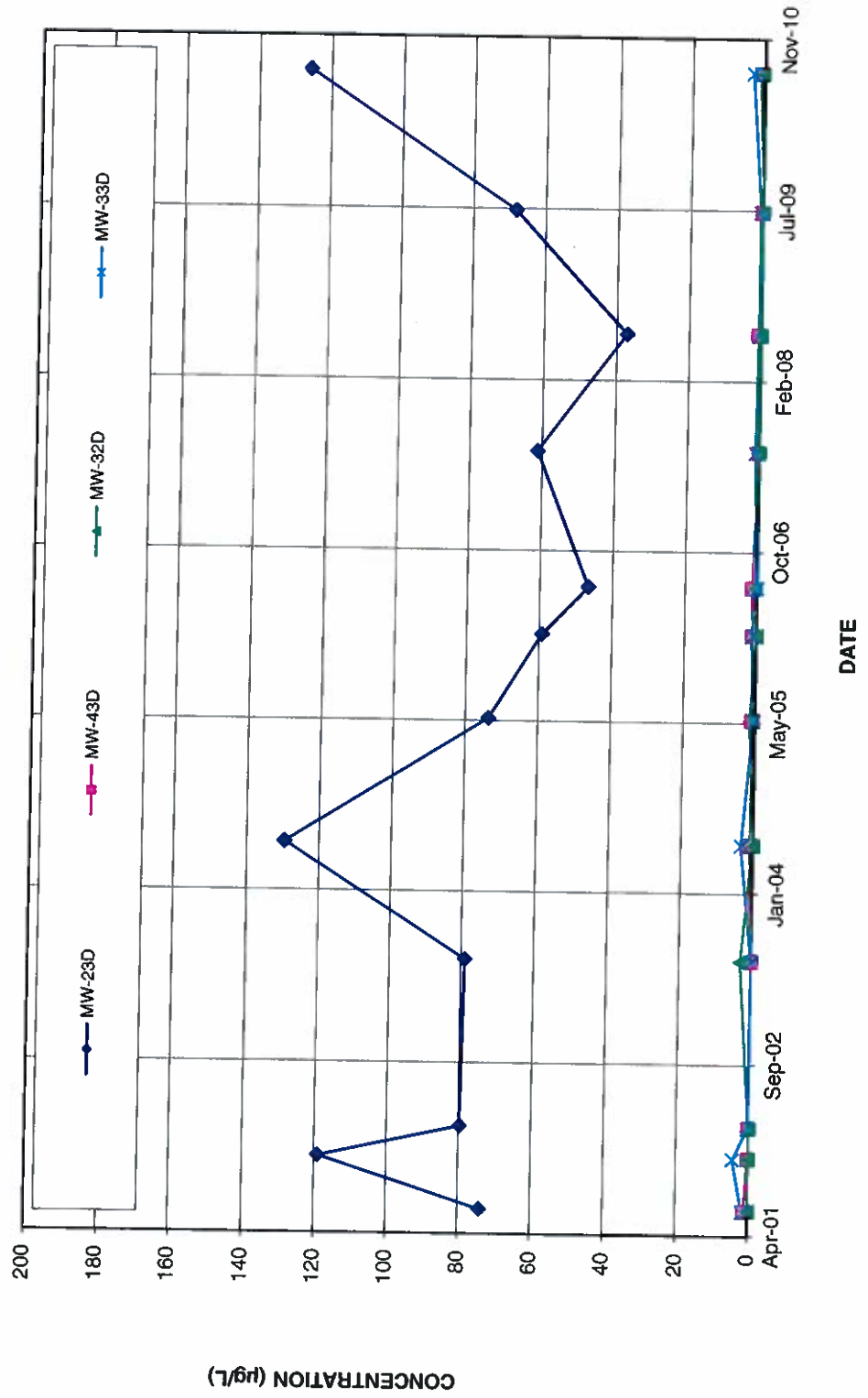
The graph displays the concentration of various metals in groundwater over time. The Y-axis is labeled 'CONCENTRATION (µg/L)' and ranges from 0 to 5000. The X-axis is labeled 'DATE' and shows dates from April 2001 to November 2010. The legend identifies the following metals and their corresponding symbols and line styles:

- MW-41: Blue line with diamond markers
- MW-42I: Pink line with square markers
- MW-42D: Purple line with circle markers
- MW-43I: Magenta line with square markers
- MW-43D: Red line with circle markers
- MW-44: Orange line with circle markers
- MW-45: Blue line with circle markers
- MW-46I: Red line with circle markers
- MW-46D: Purple line with circle markers
- MW-48: Blue line with circle markers
- MW-49I: Blue line with 'x' markers
- MW-49D: Magenta line with 'x' markers
- MW-50: Blue line with square markers
- MW-51: Green line with circle markers
- MW-52: Blue line with circle markers
- MW-37D: Blue line with circle markers
- S-66134: Blue line with circle markers
- S-66133: Blue line with 'x' markers
- MW-37I: Red line with circle markers

The graph shows that concentrations for most metals are relatively low (below 1000 µg/L) until around 2005, after which they increase significantly. MW-43I and MW-43D show the highest concentrations, peaking around 3500 µg/L in late 2008. MW-41 and MW-42I also show high concentrations, peaking around 1500 µg/L in late 2008. MW-44 and MW-45 show concentrations around 1000 µg/L. MW-46I and MW-46D show concentrations around 500 µg/L. MW-48 and MW-49I show concentrations around 200 µg/L. MW-49D and MW-50 show concentrations around 100 µg/L. MW-51 and MW-52 show concentrations around 50 µg/L. MW-37D and S-66134 show concentrations around 20 µg/L. S-66133 and MW-37I show concentrations around 10 µg/L.

DATE _____

TOTAL VOCs DEEP ZONE
FAIRCHILD REPUBLIC MAIN PLANT SITE
 MAIROLL, INC.
 EAST FARMINGDALE, NEW YORK



New York State Department of Environmental Conservation

Division of Environmental Remediation

Remedial Bureau A, 12th Floor

625 Broadway, Albany, New York 12233-7015

Phone: (518) 402-9625 • Fax: (518) 402-9627

Website: www.dec.ny.gov



Joe Martens
Commissioner

OCT 24 2013

Mr Daniel J. St. Germain, PG
ARCADIS U.S., Inc
17-17 Route 208 North
Fair Lawn, New Jersey 07410

Re: Request for Modification to Groundwater Monitoring
Former Fairchild Republic Main Plant Site (Site No. 152130)
East Farmingdale, New York

Dear Mr. St. Germain:

The New York State Department of Environmental Conservation (Department) has received your letter dated October 15, 2013 requesting a modification to the groundwater monitoring regime for the Fairchild Main Plant site. The request is to reduce the number of sampled monitoring wells for total volatile organic compounds (TVOC) from 33 to 11, justified by historical data trends showing reduced levels in many of the wells.

The Department approves the requested modification but requests that all eleven wells be additionally analyzed for 1,4-dioxane, rather than the proposed six wells.

At some future point, all thirty three wells must be re-sampled before the Department will agree to terminate the monitoring program.

Should you have any questions, or wish to discuss this matter further, please feel free to contact me at (518) 402-9658.

Sincerely,

Robert Corcoran, P.E.
Project Manager
Remedial Bureau A
Division of Environmental Remediation

ec: John Swartwout
Steve Scharf
Walter Parish
Rosalie Rusinko
Janice Dean (OAG)
Kevin Olson (OAG)
Jacqueline Nealon, (NYSDOH)
Charlotte Bethany (NYSDOH)
Geraldyn Rosser (Suffolk County Health)
Donald Miller (Fairchild Liquidating Trust)

APPENDIX B



ARCADIS

Groundwater Sampling Form

Project No. 472440012

Well ID

MW-49 D

Date

Page 1 of 1

11/19/13

Project Name/Location Fairchild

Weather

Sun, windy ~45°

Measuring Pt.
Description

TOC

Screen
Setting (ft-bmp)Casing
Diameter (in.)

2

Well Material
PVC
SS
Other

Total Depth (ft-bmp) 170 -

Static Water
Level (ft-bmp)

24.14

Water Column in Well

145.86

Gallons in Well 23.80

Calc. Gallons
Purged

1.6

Pump Intake (ft-bmp)

165 -

Purge Method:

Centrifugal
SubmersibleSample
Method

Low Flow

Gallons Purged

1.6

MP Elevation

Sample Time: Label 1130

Replicate/
Code No.Disp. Bailor
Other

Bailor pump

Pump On/Off 1010/1055

Sampled by J. DeKorla

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1100	5	200	24.14	1.0	6.75	.177	2.1	8.52	14.93	181		
1105	10	200	24.14	2.0	6.67	.178	4.5	8.24	14.80	185		
1110	15	200	24.14	3.0	6.63	.180	9.9	6.91	14.83	182		
1115	20	200	24.14	4.0	6.61	.181	11.6	6.70	14.86	181		
1120	25	200	24.14	5.0	6.59	.184	13.2	6.85	14.70	173		
1125	30	200	24.14	6.0	6.57	.185	13.0	6.70	14.73	174		

Constituents Sampled

Container

Number

Preservative

8260C VDA

3 40 mL Vials

3

HCl

1-4 DIOXANE

Auber 40 mL Vials
pass 250mL

2

HCl

Well Information

Well Location: AT TREATMENT PLANT

Well Locked at Arrival:

Yes / No

Condition of Well: GOOD

Well Locked at Departure:

Yes / No

Well Completion: Flush Mount / Stick Up

Key Number To Well:

NOTES: 1020 Stop Pump, Change O-ring, 1055 Restart

PUMP TIMER SETTINGS: 55sec Pump / 10sec Refill @ 210 psi

Well Casing Volumes

Gallons/Foot

1" = 0.04

1.5" = 0.09

2.5" = 0.26

3.5" = 0.50

6" = 1.47

1.25" = 0.06

2" = 0.16

3" = 0.37

4" = 0.65



Project No.	47244009.0000	Well ID	MW-46T	Date	11/19/2013
Project Name/Location	Fairchild	Weather			
Measuring Pt. Description	TBC	Screen Setting (ft-bmp)		Casing Diameter (in.)	4" IN
				Well Material	<input checked="" type="checkbox"/> PVC <input type="checkbox"/> SS <input type="checkbox"/> Other
Total Depth (ft-bmp)	149.82	Static Water Level (ft-bmp)	22.76	Water Column in Well	126.06
Calc. Static Purged	3.4	Pump Intake (ft-bmp)	143-	Purge Method:	
Gallons Purged	0.70 3.4	MP Elevation		Centrifugal	
				Submersible	
Sample Time: Label	1355	Replicate/ Code No.		Disp. Bailer	
				Other	BADDER PUMP
				Sample Method	LOW FLOW
				Pump On/Off	1310
				Sampled by	JD

[illegible][illegible]

Well Location:	_____	Well Locked at Arrival:	<u>Yes</u>	/	No
Condition of Well:	_____	Well Locked at Departure:	<u>Yes</u>	/	No
Well Completion:	<u>Flush Mount</u> / Stick Up	Key Number To Well:	_____		

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	



ARCADIS

Groundwater Sampling Form

Project No.

4724012.0000

Well ID

MW-41

Date

Page 1 of 1

11/19/13

Project Name/Location

Weather

Sun, Wind, 40°F

Measuring Pt.

Description

TOC

Screen

Setting (ft-bmp)

Casing

Diameter (in.)

4

Well Material

PVC

SS

Other

Total Depth (ft-bmp)

136.79

Static Water

Level (ft-bmp)

28.06

Water Column in Well

108.73

Gallons in Well

70.67

Calc. Gallons

10.0

Pump Intake (ft-bmp)

131-

Purge Method:

Centrifugal

Submersible

Disp. Bailer

Other

Sample

Method

Low Flow

Pump On/Off

1445/1550

Gallons Purged

2.64

MP Elevation

Sample Time: Label

1540

Replicate/

Code No.

Sampled by JD

LITERS

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1455	10	200	28.22	2	6.30	.274	42.1	2.17	14.92	29	Clean	None
1500	15		28.23	3	6.31	.272	40.1	2.30	14.39	25		
1505	20		28.32	4	6.25	.273	21.4	1.35	15.52	27		
1510	25		28.33	5	6.27	.283	19.3	1.10	15.55	26		
1515	30		28.33	6	6.30	.299	19.0	1.01	15.60	25		
1520	35		28.33	7	6.33	.313	18.2	0.94	15.63	24		
1525	40		28.35	8	6.37	.428	11.0	1.21	15.63	25		
1530	45		28.35	9	6.49	.445	9.4	0.80	15.60	26		
1535	50		28.35	10	6.49	.454	8.1	0.73	15.62	26		

Constituents Sampled

VOC 82600

Container

4000A VIALS

Number

3

Preservative

HCl

Well Information

Well Location:

PLANE PARKING AREA

Well Locked at Arrival:

Yes / No

Condition of Well:

GOOD

Well Locked at Departure:

Yes / No

Well Completion:

Flush Mount / Stick Up

Key Number To Well:

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	



ARCADIS

Groundwater Sampling Form

Page 1 of 1

Project No. 06739019 0000 00540 04724-012.0000 Well ID

S-66133

Date 11-19-13

Project Name/Location Dover Municipal Well #4 FAIRCHILD

Weather

Measuring Pt.
Description

TOC

Screen
Setting (ft-bmp)Casing
Diameter (in.)

6

Well Material ☒ PVC
☐ SS
☐ Other

Total Depth (ft-bmp) 141.69

Static Water
Level (ft-bmp) 25.22

Water Column in Well 116.47

Gallons in Well 171.21

Calc. Gallons
Purged

4.8 L

Pump Intake (ft-bmp)

135 ft

Purge Method:

Centrifugal
SubmersibleSample
Method Low Flow

Gallons Purged

1.27 gal

MP Elevation

Disp. Bailer

Pump On/Off 1635/171

Sample Time: Label 1710

Replicate/
Code No.

Other Teflon Bladder

BLADDER PUMP

Sampled by J DEKOSKIE

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1645	10	160	25.23	1.6	6.45	221	5.3	4.94	12.36	-2	Clear	-
1650	15	160	25.25	2.4	6.40	220	3.9	4.39	12.50	-13		
1655	20	160	25.25	3.2	6.39	218	3.6	4.40	12.61	-12		
1700	25	160	25.25	4.0	6.37	218	3.5	4.10	12.71	-15		
1705	30	160	25.28	4.8	6.37	218	2.4	4.21	12.88	-16		

Constituents Sampled

VOC 8260

Container

40 mL VIAL

Number

3

Preservative

HCl

Well Information

Well Location: BRESLOW AREA

Well Locked at Arrival: Yes / No

Condition of Well:

Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up

Key Number To Well:

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	



ARCADIS

Groundwater Sampling Form

Page 1 of 1Project No. 4724400T 4724012.0000Well ID MW-50Date 11-20-13Project Name/Location Fairchild

Weather _____

Measuring Pt. _____

Description TOC

Screen _____

Setting (ft-bmp) _____

Casing _____

Diameter (in.) 4 in

Well Material _____

PVC

SS

Other _____

Total Depth (ft-bmp) 165

Static Water _____

Level (ft-bmp) 21.50Water Column in Well 143.5Gallons in Well 93.3

Calc. Gallons _____

1.4

Pump Intake (ft-bmp) _____

Purge Method: _____

Sample _____

Method Low Flow

Purged _____

1.4

MP Elevation _____

Centrifugal _____

Submersible _____

Disp. Bailer _____

Other bladder pumpPump On/Off 0820/0910Sample Time: Label 0855

Replicate/ _____

Code No. _____

Sampled by SDGL

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
0830	10	160	21.58	0.4	6.44	143	36.5	5.00	12.86	184	Clear	None
0835	15	160	21.60	0.6	6.18	1214	17.8	1.96	13.39	216		
0840	20	170	21.59	0.8	6.13	1211	9.6	1.30	13.47	228		
0845	25	170	21.61	1.0	6.12	1210	9.5	0.96	13.53	238		
0850	30	170	21.61	1.2	6.11	1210	9.8	0.81	13.54	242		
0855	35	170	21.62	1.4	6.11	1210	9.3	0.82	13.55	241		

Constituents Sampled

Container

Number

Preservative

VOL 8260C250ml VIALS2HCL1-4 DIOXANE 522Amber glass 250 ml2-

Well Information

Well Location: EDGE OF GRASS, DEAD END ST. HICKS ST.

Well Locked at Arrival: Yes / No

Condition of Well: _____

Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up

Key Number To Well: _____

NOTES:

Well Casing Volumes

Gallons/Foot

1" = 0.04

1.5" = 0.09

2.5" = 0.26

3.5" = 0.50

6" = 1.47

1.25" = 0.06

2" = 0.16

3" = 0.37

4" = 0.65



ARCADIS

Groundwater Sampling Form

Project No. 47244001-4724012.0000 Well ID MW-42I Date 11-20-13 Page 1 of 1

Project Name/Location Fairchild Weather SUN, WINDY

Measuring Pt. TOL Screen 4 Casing 4 Well Material X PVC
Description TOL Setting (ft-bmp) 174 Diameter (in.) 4 SS
Other

Total Depth (ft-bmp) 179 Static Water Level (ft-bmp) 23.43 Water Column in Well 155.6 Gallons in Well 101.1

Calc. Gallons Purged 2.25 Pump Intake (ft-bmp) 174 Purge Method: Low Flow
2.25 MP Elevation 174 Centrifugal Submersible
Gallons Purged 2.25 Dis. Bailer Other BLADDER PUMP Pump On/Off OFF

Sample Time: Label 1050 Replicate/ Code No. 1050 Sampled by J. DELOSHE

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	LITERS		pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
				Gallons Purged								Color	Odor
1000	10	240	23.50	2.4		6.44	263	3.6	7.47	14.17	145	CLEAR	—
1015	25	240	23.48	3.6		6.40	311	2.1	3.96	13.91	155		
1020	20	240	23.45	4.8		6.36	323	0.5	3.05	13.79	169		
1030	40	240	23.45	10.0		6.32	424	0.3	1.61	13.79	188		
1040	50	240	23.45	7.2		6.32	424	0.0	1.59	13.81	186		
1050	60	240	23.45	8.4		6.32	426	0.0	1.52	13.77	187	↓	↓

Constituents Sampled	Container	Number	Preservative
LOA 8260 C	3 40 mL Vials w/ HCL	2+2 (DUP)	HCL

Well Information

Well Location: BLESLOW AREA Well Locked at Arrival: Yes / No

Condition of Well: Good Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well:

NOTES: "MW-DUP" COLLECTED TIME "0700"

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	



ARCADIS

Groundwater Sampling Form

Project No. 47244001-4724012 Well ID MW-42D Date 11-20-13 Page 1 of 1

Project Name/Location Fairchild Weather SUN, COOL, 40°F

Measuring Pt. TOC Screen 4 Casing 4 Well Material ☒ PVC
Description TOC Setting (ft-bmp) 4 Diameter (in.) 4 ☐ SS
☐ Other

Total Depth (ft-bmp) 240.0 Static Water Level (ft-bmp) 22.63 Water Column in Well 217.4 Gallons in Well 141.3

Calc. Gallons Purged 2.4 Pump Intake (ft-bmp) 232 Purge Method: Bladder Pump Sample Method Low Flow

Gallons Purged 2.4 MP Elevation Centrifugal Submersible Pump On/Off 1130/1230

Sample Time: Label 1215 Replicate/Code No. Disp. Bailer Other Sampled by J DEKOSKIE

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1145	15	200	22.79	3	5.82	.132	11.1	4.21	13.59	251	Clear	None
1155	25	200	22.85	5	5.82	.132	3.0	1.14	13.64	260		
1200	30	200	22.85	6	5.82	.132	1.1	0.70	13.64	266		
1205	35	200	22.85	7	5.83	.131	0.8	0.61	13.63	267		
1210	40	200	22.85	8	5.83	.131	0.2	0.59	13.63	267		
1215	45	200	22.85	9	5.83	.131	0.0	0.57	13.60	269		

Constituents Sampled	Container	Number	Preservative
VOA 8260 C	40 mL VIALS	2	HCl

Well Information

Well Location: <u>BREXLOW AREA</u>	Well Locked at Arrival: <input checked="" type="radio"/> Yes / <input type="radio"/> No
Condition of Well: <u>GOOD</u>	Well Locked at Departure: <input checked="" type="radio"/> Yes / <input type="radio"/> No
Well Completion: <u>Flush Mount</u> / <u>Stick Up</u>	Key Number To Well: <u> </u>

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Groundwater Sampling Form

Page 1 of 1

Project No. 47244001

Well ID MW-43I

Date 11-20-13

Project Name/Location Fairchild

Weather _____

Measuring Pt. Description	Screen Setting (ft-bmp)
<u>ToC</u>	

Casing
Diameter (in.) 2

Well Material _____ PVC
 _____ SS
 _____ Other

Total Depth (ft-bmp) 260 Static Water Level (ft-bmp) 22.75

Water Column in Well 177.25

Gallons in Well 28.4

Calc.Gallons Purged	<u>1.5</u> 0.5	Pump Intake (ft- bmp)
------------------------	-------------------	--------------------------

Purge Method:

Sample Method Low Flow

Gallons Purged MP Elevation

Centrifugal _____

Pump On/Off 1200

Sample Time: Label 1335 Replicate/
Code No.

Disp. Bailer
Other BLADDER PUMP

Sampled by JDEK.

[illegible]

Constituents Sampled

Container

Number

Preservative

 V_{OA}

40 ml VIAL

3.

HCP

1,4-DIOXANE

~~40 ml H₂O~~

2

~~H₂O~~

250 ml Amber glass

Well Information

Well Location: BRESLOW AREA NEAR MONUMENT SHOP

Well Locked at Arrival: Yes / No

Condition of Well: Good

Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up

Key Number To Well:

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	



ARCADIS

Groundwater Sampling Form

Project No. 4724408J Well ID MW-37I Date 11-20-13 Page 1 of 1

Project Name/Location Fairchild Weather SUN, WIND, 95°F

Measuring Pt. TOC Screen Setting (ft-bmp) Casing Diameter (in.) 4 Well Material ☒ PVC ☐ SS ☐ Other

Total Depth (ft-bmp) 193- Static Water Level (ft-bmp) 199.4 Water Column in Well 173.06 Gallons in Well 112.5

Calc. Gallons Purged 1.2 Pump Intake (ft-bmp) 189- Purge Method: Sample Method LOW FLOW

Gallons Purged 1.2 MP Elevation Centrifugal Submersible Disp. Bailer Other BADDER pump Pump On/Off 1415

Sample Time: Label 1450 Replicate/Code No. Other Sampled by JDER

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1420	5	190	19.90	.2	6.38	.277	8.1	5.11	13.56	155	Clear	None
1425	10	200	20.20	.4	6.09	.294	10.9	1.95	14.08	178		
1430	15	200	20.40	.6	6.07	.296	6.8	1.29	14.12	193		
1435	20	200	20.47	.8	6.06	.296	4.9	1.02	14.23	200		
1440	25	200	20.43	1.0	6.06	.295	3.7	1.03	14.20	202		
1445	30	200	20.41	1.2	6.07	.296	3.3	0.88	14.16	202		

Constituents Sampled	Container	Number	Preservative
NOA	40 mL VIAL	2	HCl
1,4-DIOXANE	40 mL VIAL	2	HCl
	250 mL AMBER GLASS	2	

Well Information

Well Location: IN GRASS, OFF RUNWAY / TAXI WAY Well Locked at Arrival: ☒ Yes / ☐ No

Condition of Well: GOOD Well Locked at Departure: ☒ Yes / ☐ No

Well Completion: ☒ Flush Mount / ☐ Stick Up Key Number To Well:

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

APPENDIX C

ARCADIS U.S., Inc.

Data Validation Report

To: Dan St. Germain
From: Shi Ng
Date: February 5, 2014

Project: Fairchild Corp.
Laboratory: H2M Labs, Inc.
SDGs: FAIR001

1. SCOPE

ARCADIS U.S., Inc. (ARCADIS) collected a total of fourteen (14) water samples for the Fairchild Corporation Project on **November 19 and 20, 2013**. The samples were analyzed for volatile organic compounds (VOCs) by H2M Labs, Inc., located in Melville, New York. One of the VOCs (1,4-dioxane) was analyzed as a semivolatile organic compound (SVOC) due to its low sensitivity via the volatile organic analysis (VOA) analytical method. This report summarizes the data validation findings and their effects on the laboratory results¹, based on quality indicators and raw data of the report deliverable submitted by the laboratory. And based on the findings, the laboratory results were subsequently qualified², where applicable.

2. ANALYTICAL DATA

Included in the 14 samples submitted for laboratory analysis were one field blank, one trip blank, and one blind field duplicate. In addition to the 14 samples, one matrix spike / matrix spike duplicate (MS/MSD) aliquot set was also submitted. The samples were collected from the areas of the Fairchild Main Plant in East Farmingdale, New York. The samples were delivered to and received by the laboratory on December 20, 2013. H2M Labs is a New York State Department of Health accredited laboratory with laboratory ID number 10478.

All samples were analyzed by the analytical procedures of the U.S. Environmental Protection Agency's (USEPA) SW-846³ Method 8260C and USEPA Method⁴ 522. Method 8260C was

¹ Laboratory results are found in the "Analysis Data Sheet" (Form 1) of Section 4 "Sample Reports" of the laboratory report.

² Validation qualifiers are added onto the "Analysis Data Sheet" only, within the laboratory report.

³ EPA, *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, Third Edition. November 1986 and updates.

⁴ EPA 500 Series Method, titled: *Determination of 1,4-Dioxane in Drinking Water by Solid Phase Extraction (SPE) and Gas Chromatography/Mass Spectrometry (GC/MS) with Selected Ion Monitoring (SIM)*, September, 2008.

used for the analysis of VOCs and Method 522 was used for the analysis of 1,4-dioxane, which is a VOC that is not very sensitive (elevated detection limit) via Method 8260C. The laboratory report deliverable was submitted in the form equivalent to New York State's Analytical Services Protocol (ASP) Category B (full data package deliverable). The SW-846 Method 8260C is a VOA analytical method used uses a purge-and-trap sample introduction instrument in series with a gas chromatograph coupled to a mass spectrometer detector (GC/MS) and the USEPA Method 522 is a semivolatile-like method that uses solid phase extraction (SPE) followed by introduction into a GC/MS (this is a semivolatile organic analysis, SVOA) configured on selected ion monitoring (SIM) detection mode. The analytical methods employed provide definitive compound identification with high quantitative sensitivity.

3. VALIDATION GUIDELINES

This report is prepared by a trained and experienced data validator, applying criteria contained within applicable sections of the USEPA Region 2 Standard Operating Procedures "*Low/Medium Volatile Data Validation*" SOP # HW-33 Revision 3 (March 2013), "*Semivolatile Data Validation*" SOP # HW-35 Revision 2 (March 2013), Methods 8260C and 522, and by best professional judgment.

This data validation consisted of checking and verifying that the data quality indicators listed below are within acceptable (technical) quality control (QC) criteria.

- Sample Receipt Conditions/Problems
- Holding Times
- Surrogate Recovery
- Matrix Spike/Matrix Spike Duplicate Recovery and Precision
- Laboratory Control Sample Recovery
- Blanks - Contaminations
- GC/MS Instrument Performance Check
- Target Compound List Compounds
- Tentatively Identified Compounds (not reviewed)
- Initial Calibration
- Continuing Calibration
- Internal Standard
- Field Duplicate Precision
- Dilutions

4. DATA QUALIFIERS

The following are validation codes (qualifiers) used to qualify data during the data validation process. Should it be determined that the laboratory's reported value need qualification, these qualifiers were used to append to the reported value. The reported value may be a "detect" or a "non-detect." These validation qualifiers may, under specific circumstances, replace laboratory qualifiers. If they are the same as the laboratory qualifiers, no correction will be made. If not altered, all laboratory qualifiers will be considered validation qualifiers.

- U The compound was analyzed for, but was not detected above the reported sample quantitation limit.
- J The compound was positively identified; the associated numerical value is the approximate concentration of the compound in the sample.
- N The analysis indicated the presence of a compound for which there is presumptive evidence to make a "tentative identification."
- NJ The analysis indicates the presence of a compound that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the compound in the sample.
- R The sample result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the compound cannot be verified.

5. SAMPLES

The following samples were submitted to and analyzed by the laboratory. The laboratory organized the samples into one sample delivery group (SDG) that batched field QC samples and incorporated laboratory in-house QC samples. The SDG resulted in a self-contained laboratory report. The laboratory submitted the laboratory report labeled as *Fairchild Groundwater Sampling, SDG No. FAIR001*. This data validation report is a result of the reviewed of the laboratory report, which included raw data and supporting documents.

The following samples were submitted to and analyzed by the laboratory.

SDG FAIR001	
ARCADIS ID	Laboratory ID
MW-37I	1311B27-001
MW-41	1311B27-002
MW-42D	1311B27-003
MW-42I	1311B27-004
MW-43I	1311B27-005
MW-46I	1311B27-006
MW-49D	1311B27-007
MW-49I	1311B27-008
MW-50	1311B27-009
S-66133	1311B27-010
S-66134	1311B27-011
MW-DUP	1311B27-012
FB111913	1311B27-013
TRIP BLANK	1311B27-014

Sample MW-DUP is a blind duplicate of sample MW-42I
MS/MSD aliquots were also collected for sample MW-49D

6. DATA VALIDATION FINDINGS

The following are data quality indicators reviewed and summaries of their findings. These findings are presented in two subsections, 6a and 6b. Subsection 6a pertains to compounds analyzed via Method 8260C and subsection 6b pertains to 1,4-dioxane that was analyzed via Method 522.

Sample Receipt Conditions/Problems

All samples were received at the laboratory undamaged and in good condition. However, the laboratory broke one of the two trip blank bottles – no effect on results. The Field Blank sample was not included on the chain of custody (COC) form, so the laboratory entered it on the form upon receipt at the laboratory. The internal temperature of the sample coolers were received at 2.1 °C, 1.9 °C, and 3.2 °C which were within the criterion of $4\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$. There were sufficient volumes to perform the requested analyses. No qualification actions are necessary.

6a. DATA VALIDATION FINDINGS FOR VOLATILE ORGANIC ANALYSIS

VOA Holding Times

All samples were analyzed within the VOA technical holding time of 14 days, from date of collection to date of analysis. The holding time criterion assumes that all samples were properly acid-preserved to pH 2 or below, in addition to storage in the dark at $4\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$. No qualification actions are necessary.

VOA Surrogate Recovery

The surrogate (a.k.a., system monitoring compound or deuterated monitoring compound) recoveries for all samples and blanks were within the laboratory's acceptance ranges. The lowest recovery for all surrogates, for all samples, was 86% and the highest was 120%. No qualification actions are necessary.

VOA Matrix Spike/Matrix Spike Duplicate Recovery and Precision

An MS/MSD set was performed on sample MW-49D. All MS percent recoveries (%Rs) were within the laboratory's acceptance criteria with the exception of tetrachloroethene. No qualification actions were necessary because the sample concentration was much higher than the spiking concentration. All MSD %Rs were within the laboratory's acceptance criteria with the exception of cis-1,2-dichloroethene and tetrachloroethene. No qualification actions were necessary because these sample concentrations were much higher than the spiking concentrations. All relative percent differences (RPDs) between the MS and MSD results were within the laboratory's acceptance criterion of $\leq 30\%$, indicating acceptable accuracy and precision. No qualification actions are necessary. It should be noted that the laboratory erroneously calculated RPDs based on %Rs instead of the concentrations detected in the spiked samples.

VOA Laboratory Control Sample Recovery

Laboratory control samples (LCSs) were analyzed along with each daily batch of samples at concentrations of 50 ug/L. There were two LCSs, analyzed on November 23 and 25, 2013. All LCS recoveries were within the laboratory's acceptance ranges with the exception of vinyl chloride analyzed on November 25, 2013. Therefore, all sample results for vinyl chloride that were analyzed on November 25, 2013 are qualified as estimated values, either "J" or "UJ," biased low.

VOA Blanks - Contaminations

Analytical blanks are QA/QC samples. The blanks analyzed included one field blank, one trip blank, two method blanks, and one storage blank. There were no targeted compounds detected in any of the blanks. One unknown tentatively identified compound (TIC) was detected in the storage blank at retention time (RT) of 14.35 minutes with a concentration of 5 JN ug/L. Therefore, TICs detected in field samples at or near this RT are considered contaminations and are deleted from reporting (sample MW-42D).

VOA GC/MS Instrument Performance Check

Prior to instrument calibration and subsequent sample analysis, the first run of any twelve-hour GC/MS shift must be an acceptable instrument performance check (a.k.a., instrument tune). There were three instrument tunes performed – one for the initial calibration and one for each of the two days of sample analysis. All instrument tunes for all twelve-hour shifts were acceptable. All samples reported were analyzed within an acceptable instrument tune shift. No qualification actions are necessary.

VOA Target Compound List Compounds

Target compound list (TCL) compounds for all samples were reviewed for proper identification and quantitation. This consisted of reviewing reconstructed ion chromatograms, data system printouts (quantitation reports), mass spectra of detected compounds, relative retention time (RRT) for identified compounds, concentration calculations, dilutions (for calibration range compliance), laboratory qualifiers, and transcription to reporting forms.

There were no calculation or transcription errors found. All reporting limits were properly adjusted to reflect sample dilutions. The laboratory had rounded off detected concentrations that were greater than or equal to 10 ug/L to 2 significant digits and to 1 significant digit for concentrations that were less than 10 ug/L.

VOA Tentatively Identified Compounds

The search for and identification of tentatively identified compounds (TICs) were evaluated and reported in the data sheets. There were not many TICs detected. TIC identifications are "tentative" and the reported concentrations are estimates.

VOA Initial Calibration

The instrument was calibrated, with most compounds at 6 concentration levels, from 5 ug/L to 200 ug/L. The initial calibration (IC) was conducted on May 3, 2013. All relative response factors (RRFs) were within the acceptance criterion of ≥ 0.050 (or ≥ 0.010 for compounds exhibiting poor response) indicating acceptable detection sensitivity. All compound response factors were evaluated for linearity over the calibration range. If the percent relative standard deviation (%RSD) was not $\leq 20.0\%$ ($\leq 20.0\%$ = linear through the origin and so an average RF would be used), the laboratory indicated that a linear regression function was used. The %RSD for 2-hexanone and 1,2-dibromo-3-chloropropane was greater than 20%. No qualification actions were necessary.

VOA Continuing Calibration Verification

Continuing calibration verifications (CCVs) were analyzed for instrument at the mid-point concentration level of 50 ug/L. The CCVs were performed on November 23 and 25, 2013. All RRFs were within acceptance criterion of ≥ 0.05 (or ≥ 0.010 for compounds exhibiting poor response) indicating continued acceptable detection sensitivity. There were 9 compounds that did not meet the percent difference criterion ($\%D \leq 20\%$) on the CCV analyzed on November 23rd. These compound concentrations, whether detected or non-detected, are qualified as estimated values, "J" or "UJ, respectively. The compounds qualified are:

- Dichlorodifluoromethane
- Chloromethane
- Vinyl chloride
- Methyl acetate
- Cyclohexane
- Methylcyclohexane
- 4-methyl-2-pentanone
- Bromoform
- 1,2-Dibromo-3-chloropropane

The CCV analyzed on November 25th was acceptable, which was used only for secondary dilution analyses, targeting compounds that had concentrations greater than the calibration range in the initial analyses.

VOA Internal Standard

All internal standard (IS) area counts for all samples and blanks were within the upper and lower limits (+ 100%, - 50%, respectively) defined by their associated CCV IS area counts. All IS retention times (RT) of every sample and blank were within the limits (± 30 seconds or ± 0.5 minutes) relative to their associated CCV IS RT. No qualification actions are necessary.

VOA Field Duplicate Precision

A field duplicate was submitted to the laboratory. The duplicate sample was MW-DUP (Lab ID 1311B27-012) and is associated with sample MW-42I. The laboratory was not made aware of

which sample the duplicate was associated with (therefore, it was a “blind” field duplicate). For chemical detections that were greater than the reporting limit, the RPD acceptance limit used in this data validation was $\leq 30\%$. All compounds that were detected in both the duplicate sample and sample MW-42I have RPDs $\leq 30\%$. No qualification actions are necessary.

VOA Dilutions

Dilutions were performed on five samples submitted. Dilutions were based on initial analyses that were not diluted and had detections that exceeded the initial calibration ranges. The laboratory reported both undiluted and diluted sample results. In this data validation, the elevated results from the diluted analyses have been transferred to, and replaced the, undiluted results that exceeded the calibration ranges. The following is a table presenting samples that were diluted, and the level of dilution performed.

Sample ID	Dilution
MW-37I	3x
MW-431	3x
MW-49D	5x
MW-50	5x
S-66133	2x

All dilutions were necessary and justifiable.

6b. DATA VALIDATION FINDINGS FOR SEMIVOLATILE ORGANIC ANALYSIS (1,4-DIOXANE)

SVOA Holding Times

All samples were analyzed within the Method 522 technical holding time of 28 days from date of collection to date of analysis. The holding time criterion assumes that all samples were properly acid-preserved to pH 2 or below, in addition to storage in the dark at below 6 °C prior to extraction. No qualification actions are necessary.

SVOA Surrogate Recovery

The surrogate recoveries for all samples and blanks were within the laboratory's acceptance ranges. The lowest recovery for all surrogates, for all samples, was 82% and the highest was 104%. No qualification actions are necessary.

SVOA Matrix Spike/Matrix Spike Duplicate Recovery and Precision

An MS/MSD set was performed on sample MW-49D. The MS and/or MSD %Rs were within the laboratory's acceptance criteria and the RPDs between the MS and MSD results was within the laboratory's acceptance criterion, indicating acceptable accuracy and precision. No qualification actions are necessary. It should be noted that the laboratory erroneously calculated RPDs based on %Rs instead of concentrations detected in the spiked samples.

SVOA Laboratory Control Sample Recovery

An LCS was analyzed along with the daily batch of samples at concentrations of 2.0 ug/L. The LCS was analyzed on November 27, 2013. The LCS recovery was within the laboratory's acceptance range. No qualification actions are necessary.

SVOA Blanks - Contaminations

The blanks analyzed included one field blank and one method blank. There were no contaminants detected in the blanks. No qualification actions are necessary.

SVOA GC/MS Instrument Performance Check

Prior to the initial calibration of the instrument and subsequent sample analysis, the first run on the instrument must be an acceptable instrument performance check. The initial calibration was analyzed on November 17th. The samples were analyzed on November 17 and December 3, 2013. The instrument performance check was analyzed on November 17th and the results were acceptable. For Method 522, the instrument performance check only needs to be conducted whenever an initial calibration is conducted; therefore, an instrument performance check was not conducted on December 3rd. No qualification actions are necessary.

SVOA Target Compound List Compounds

TCL compounds for all samples were reviewed for proper identification and quantitation. This consisted of reviewing reconstructed ion chromatograms, data system printouts, mass spectra of detected compounds, RRT for identified compounds, concentration calculations, dilutions (for calibration range compliance), laboratory qualifiers, and transcription to reporting forms.

There were no calculation or transcription errors found. In this data validation review, the reporting limit has been adjusted to be 0.05 ug/L, equivalent to the lowest initial and continuing calibration levels, from 0.07 ug/L on the Analysis Data Sheets (Form 1). The laboratory had rounded off detected concentrations that were greater than or equal to 10 ug/L to 2 significant digits and to 1 significant digits for concentrations that were less than 10 ug/L. In this data validation review of 1,4-dioxane, concentrations that were less than 10 ug/L were modified to 2 significant digits.

SVOA Tentatively Identified Compounds

The search for and identification of TICs were not applicable to this analysis because only the analysis for the targeted compound 1,4-dioxane was applicable.

SVOA Initial Calibration

The instrument was calibrated, with most compounds at 9 concentration levels, from 2.5 ng/mL to 1000 ng/mL. The IC was conducted on November 27, 2013. The calibration curve was linear with a correlation coefficient of 0.998. No qualification actions are necessary.

SVOA Continuing Calibration Verification

Continuing calibration verification (CCV) brackets were analyzed for instrument at the 2.5 ng/mL and 1000 ng/mL (equivalent to sample concentrations of 0.05 ug/L and 20 ug/L, respectively). The CCVs were performed on November 27 through 28 and on December 3, 2013. All 1,4-dioxane percent recoveries were within the laboratory's acceptance ranges ($\pm 50\%$ for the 2.5 ng/mL CCVs and $\pm 30\%$ for the 1000 ng/mL CCVs). No qualification actions are necessary.

SVOA Internal Standard

All internal standard (IS) area counts for all samples and blanks were within the upper and lower limits (+ 50%, - 50%, respectively) defined by their associated CCV IS area counts. All IS retention times (RT) of every sample and blank were within the limits (± 30 seconds or ± 0.5 minutes) relative to their associated CCV IS RT. No qualification actions are necessary.

SVOA Field Duplicate Precision

A field duplicate was submitted to the laboratory. The duplicate sample was MW-DUP (Lab ID 1311B27-012) and is associated with sample MW-42I. The laboratory was not made aware of which sample the duplicate was associated with (therefore, it was a "blind" field duplicate). For chemical detections that were greater than the reporting limit, the RPD acceptance limit used in this data validation was $\leq 30\%$. All compounds that were detected in both the duplicate sample and sample MW-42I have RPDs $\leq 30\%$. No qualification actions are necessary.

SVOA Dilutions

A dilution was performed on one of the samples submitted. The dilution was based on an initial analysis that was not diluted and had a detection that exceeded the initial calibration range. In this data validation, the elevated result from the diluted analysis has been transferred to, and replaced the, undiluted result that exceeded the calibration range. The following is a table presenting the sample that was diluted, and the level of dilution performed.

Sample ID	Dilution
MW-50	4x

The dilution was necessary and justifiable.

7. OVERALL SUMMARY OF DATA

Deficiencies in the data generation process have resulted in some data being qualified as estimated values. There were no major deficiencies found in the VOCs analyses, which would have resulted in data being qualified as unusable (rejected). Data qualified as estimated results are considered conditionally usable. The following are notable deficiency found:

- There were some continuing calibration verification response drift deficiencies in the VOA that resulted in some compound concentrations values (detects and non-detects) qualified as estimated values.
- Although, not a deficiency of the data, the laboratory failed to properly calculate precision (RPD) on MS/MSD samples.
- There was one minor contamination compound detected, which was an unknown TIC compound.
- One VOA compound failed to meet the laboratory's in-house acceptance criteria in one of the LCS samples.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-37I

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-001A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79632.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (μL)

Soil Aliquot Volu _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg <u>UG/L</u>	Q
75-71-8	Dichlorodifluoromethane	10	U <u>J</u>
74-87-3	Chloromethane	10	U <u>J</u>
75-01-4	Vinyl chloride	9	J <u>J</u>
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	28	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	37	
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U <u>J</u>
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	2	J
75-34-3	1,1-Dichloroethane	41	
156-59-2	cis-1,2-Dichloroethene	360 <u>320</u>	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	J
71-55-6	1,1,1-Trichloroethane	13	
110-82-7	Cyclohexane	4	J <u>J</u>
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	1	J
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	260 <u>240</u>	E
108-87-2	Methylcyclohexane	10	U <u>J</u>
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U <u>J</u>
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	130	
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-37I

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-001A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79632.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volu _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg <u>UG/L</u>	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U J
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U J
120-82-1	1,2,4-Trichlorobenzene	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-37I

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478Case No.: FAIR

SAS No.: _____

SDG No.: FAIR001

Matrix: (soil/water)

WATERLab Sample ID: 1311B27-001ASample wt/vol: 5(g/mL) MLLab File ID: 3\A79632.DLevel: (low/med) LOWDate Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume:

(μl)

Soil Aliquot Volume: 0 (μL)

CONCENTRATION UNITS:

Number TICs found:

1

(μg/L or μg/Kg)

UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000354-23-4	Ethane, 1,2-dichloro-1,1,2-trifluor	3.10	75	JN
2.	(DEL) Alkane: Cyclic	5.59	8	JN

MW-37I

Lab Name: H2M LABS INC Contract: _____
Lab Code: 10478 Case No.: FAIR SAS No.: _____ SDG No.: FAIR001
Matrix: (soil/water) Potable Water Lab Sample ID: 1311B27-001B
Sample wt/vol: 500 (g/mL) ML Lab File ID: C67389.D
Level: (low/med) LOW Date Received: 11/20/2013
% Moisture: not dec. Date Extracted: 11/21/2013
GC Column: Rtx-624 ID: .18 (mm) Date Analyzed: 11/27/2013
Extract Volume: 10000 (μ l) Dilution Factor: 1.00
Injection Volume: 1 (μ l)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	μ g/L	Q
123-91-1	1,4-Dioxane		16	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-41

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-002A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79633.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volu _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg <u>UG/L</u>	<u>Q</u>
75-71-8	Dichlorodifluoromethane	10	U <u>J</u>
74-87-3	Chloromethane	10	U <u>J</u>
75-01-4	Vinyl chloride	2	<u>J</u>
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U <u>3</u>
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	15	
75-34-3	1,1-Dichloroethane	2	J
156-59-2	cis-1,2-Dichloroethene	19	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U <u>J</u>
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	9	J
108-87-2	Methylcyclohexane	10	U <u>J</u>
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U <u>J</u>
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	77	
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-41

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-002A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79633.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volu _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg UG/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	3	J
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U J
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U J
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-41

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478Case No.: FAIR

SAS No.: _____

SDG No.: FAIR001

Matrix: (soil/water)

WATERLab Sample ID: 1311B27-002ASample wt/vol: 5(g/mL) MLLab File ID: 3\A79633.DLevel: (low/med) LOWDate Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume:

(μl)

Soil Aliquot Volume: 0 (μL)

CONCENTRATION UNITS:

Number TICs found:

0

(μg/L or μg/Kg)

UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
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MW-41

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478Case No.: FAIR

SAS No.: _____

SDG No.: FAIR001

Matrix: (soil/water)

Potable WaterLab Sample ID: 1311B27-002B

Sample wt/vol:

500 (g/mL) MLLab File ID: C67390.D

Level: (low/med)

LOWDate Received: 11/20/2013

% Moisture: not dec.

Date Extracted: 11/21/2013GC Column: Rtx-624ID: .18 (mm)Date Analyzed: 11/27/2013Extract Volume: 10000 (μ l)Dilution Factor: 1.00Injection Volume: 1 (μ l)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	μ g/L	Q
123-91-1	1,4-Dioxane		0.0 0.84	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-42D

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-003A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79634.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (μL)

Soil Aliquot Volu _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg <u>UG/L</u>	<u>Q</u>
75-71-8	Dichlorodifluoromethane	10	U <u>J</u>
74-87-3	Chloromethane	10	U <u>J</u>
75-01-4	Vinyl chloride	10	U <u>J</u>
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	2	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U <u>J</u>
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	2	J
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U <u>J</u>
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	56	
108-87-2	Methylcyclohexane	10	U <u>J</u>
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U <u>J</u>
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-42D

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-003A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79634.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (μL)

Soil Aliquot Volu _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg <u>UG/L</u>	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U <u>3</u>
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U <u>3</u>
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-42D

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478Case No.: FAIR

SAS No.: _____

SDG No.: FAIR001

Matrix: (soil/water)

WATERLab Sample ID: 1311B27-003ASample wt/vol: 5(g/mL) MLLab File ID: 3\A79634.DLevel: (low/med) LOWDate Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume:

(μl)

Soil Aliquot Volume: 0 (μL)

CONCENTRATION UNITS:

Number TICs found:

1

(μg/L or μg/Kg)

UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown	5.04	5	JN
2.	(DEL) Alkane: Cyclic	14.35	6	J

MW-42D

Lab Name: H2M LABS INC Contract: _____
Lab Code: 10478 Case No.: FAIR SAS No.: _____ SDG No.: FAIR001
Matrix: (soil/water) Potable Water Lab Sample ID: 1311B27-003B
Sample wt/vol: 500 (g/mL) ML Lab File ID: C67391.D
Level: (low/med) LOW Date Received: 11/20/2013
% Moisture: not dec. Date Extracted: 11/21/2013
GC Column: Rtx-624 ID: .18 (mm) Date Analyzed: 11/27/2013
Extract Volume: 10000 (μ l) Dilution Factor: 1.00
Injection Volume: 1 (μ l)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	μ g/L	Q
123-91-1	1,4-Dioxane		1 1.1	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-42I

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-004A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79635.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (μL)

Soil Aliquot Volu _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg <u>UG/L</u>	<u>Q</u>
75-71-8	Dichlorodifluoromethane	10	U <u>J</u>
74-87-3	Chloromethane	10	U <u>J</u>
75-01-4	Vinyl chloride	10	U <u>J</u>
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U <u>J</u>
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U <u>J</u>
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	2	J
108-87-2	Methylcyclohexane	10	U <u>J</u>
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U <u>J</u>
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-42I

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-004A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79635.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (μL)

Soil Aliquot Volu _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg <u>UG/L</u>	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U <u>5</u>
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U <u>5</u>
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-421

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478Case No.: FAIR

SAS No.: _____

SDG No.: FAIR001

Matrix: (soil/water)

WATERLab Sample ID: 1311B27-004ASample wt/vol: 5(g/mL) MLLab File ID: 3\A79635.DLevel: (low/med) LOWDate Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume:

(μl)

Soil Aliquot Volume: 0 (μL)

CONCENTRATION UNITS:

Number TICs found:

0

(μg/L or μg/Kg)

UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
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MW-42I

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478Case No.: FAIR

SAS No.: _____

SDG No.: FAIR001

Matrix: (soil/water)

Potable WaterLab Sample ID: 1311B27-004B

Sample wt/vol:

500 (g/mL) MLLab File ID: C67392.D

Level: (low/med)

LOWDate Received: 11/20/2013

% Moisture: not dec.

Date Extracted: 11/21/2013GC Column: Rtx-624ID: .18 (mm)Date Analyzed: 11/27/2013Extract Volume: 10000 (μ l)Dilution Factor: 1.00Injection Volume: 1 (μ l)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	μ g/L	Q
123-91-1	1,4-Dioxane		0.06 0.065	3

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-DUP MW-42I DUP

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-012A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79645.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volu _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U J
74-87-3	Chloromethane	10	U J
75-01-4	Vinyl chloride	10	U J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U J
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	2	J
108-87-2	Methylcyclohexane	10	U J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U J
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

RPD

0% ✓

FAIR001 S69

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-DUP MW-42I DUP

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-012A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79645.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (μL)

Soil Aliquot Volu _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg <u>UG/L</u>	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	UJ
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	UJ
120-82-1	1,2,4-Trichlorobenzene	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDSMW-DUP MW-42I DWPLab Name: H2M LABS INC

Contract: _____

Lab Code: 10478Case No.: FAIR

SAS No.: _____

SDG No.: FAIR001

Matrix: (soil/water)

WATERLab Sample ID: 1311B27-012ASample wt/vol: 5(g/mL) MLLab File ID: 3\A79645.DLevel: (low/med) LOWDate Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume:

(μl)

Soil Aliquot Volume: 0 (μL)

CONCENTRATION UNITS:

Number TICs found:

0

(μg/L or μg/Kg)

UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
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MW-DUP **MN-42I DUP**

Lab Name: H2M LABS INC Contract: _____
 Lab Code: 10478 Case No.: FAIR SAS No.: _____ SDG No.: FAIR001
 Matrix: (soil/water) Potable Water Lab Sample ID: 1311B27-012B
 Sample wt/vol: 500 (g/mL) ML Lab File ID: C67436.D
 Level: (low/med) LOW Date Received: 11/20/2013
 % Moisture: not dec. Date Extracted: 11/21/2013
 GC Column: Rtx-624 ID: .18 (mm) Date Analyzed: 12/3/2013
 Extract Volume: 10000 (μ l) Dilution Factor: 1.00
 Injection Volume: 1 (μ l)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	μ g/L	Q
123-91-1	1,4-Dioxane		0.06 0.065	3

RPD
0% ✓

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-43I

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-005A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79636.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volu _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U J
74-87-3	Chloromethane	10	U J
75-01-4	Vinyl chloride	3	J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	2	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3	J
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U J
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	130	
75-34-3	1,1-Dichloroethane	5	J
156-59-2	cis-1,2-Dichloroethene	88	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	1	J
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	260 240	J
108-87-2	Methylcyclohexane	10	U J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U J
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	12	
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-43I

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-005A

Sample wt/vol: 5 (g/mL ML)

Lab File ID: 3\A79636.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volu _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg <u>UG/L</u>)	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U <u>5</u>
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U <u>5</u>
120-82-1	1,2,4-Trichlorobenzene	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-43I

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478Case No.: FAIR

SAS No.: _____

SDG No.: FAIR001

Matrix: (soil/water)

WATERLab Sample ID: 1311B27-005ASample wt/vol: 5(g/mL) MLLab File ID: 3\A79636.DLevel: (low/med) LOWDate Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume:

(μl)

Soil Aliquot Volume: 0 (μL)

CONCENTRATION UNITS:

Number TICs found:

2

(μg/L or μg/Kg)

UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000079-38-9	Ethene, chlorotrifluoro-	1.58	38	JN
2. 000354-23-4	Ethane, 1,2-dichloro-1,1,2-trifluor	3.10	46	JN

MW-43I

Lab Name: H2M LABS INC Contract: _____
Lab Code: 10478 Case No.: FAIR SAS No.: _____ SDG No.: FAIR001
Matrix: (soil/water) Potable Water Lab Sample ID: 1311B27-005B
Sample wt/vol: 500 (g/mL) ML Lab File ID: C67393.D
Level: (low/med) LOW Date Received: 11/20/2013
% Moisture: not dec. Date Extracted: 11/21/2013
GC Column: Rtx-624 ID: .18 (mm) Date Analyzed: 11/27/2013
Extract Volume: 10000 (μ l) Dilution Factor: 1.00
Injection Volume: 1 (μ l)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	μ g/L	Q
123-91-1	1,4-Dioxane		0.9 0.89	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-46I

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-006A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79637.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volu _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg <u>UG/L</u>	Q
75-71-8	Dichlorodifluoromethane	10	U J
74-87-3	Chloromethane	10	U J
75-01-4	Vinyl chloride	10	U J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U J
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	2	J
156-59-2	cis-1,2-Dichloroethene	3	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	62	
108-87-2	Methylcyclohexane	10	U J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U J
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	4	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-46I

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-006A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79637.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (μL)

Soil Aliquot Volu _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg <u>UG/L</u>	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	UJ
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	UJ
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-46I

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478Case No.: FAIR

SAS No.: _____

SDG No.: FAIR001

Matrix: (soil/water)

WATERLab Sample ID: 1311B27-006ASample wt/vol: 5(g/mL) MLLab File ID: 3\A79637.DLevel: (low/med) LOWDate Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume:

(μl)

Soil Aliquot Volume: 0 (μL)

CONCENTRATION UNITS:

Number TICs found:

0

(μg/L or μg/Kg)

UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
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MW-46I

Lab Name: H2M LABS INC Contract: _____
Lab Code: 10478 Case No.: FAIR SAS No.: _____ SDG No.: FAIR001
Matrix: (soil/water) Potable Water Lab Sample ID: 1311B27-006B
Sample wt/vol: 500 (g/mL) ML Lab File ID: C67394.D
Level: (low/med) LOW Date Received: 11/20/2013
% Moisture: not dec. Date Extracted: 11/21/2013
GC Column: Rtx-624 ID: .18 (mm) Date Analyzed: 11/27/2013
Extract Volume: 10000 (μ l) Dilution Factor: 1.00
Injection Volume: 1 (μ l)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	μ g/L	Q
123-91-1	1,4-Dioxane		1.3	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-49D

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-007A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79638.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volu _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg <u>UG/L</u>	Q
75-71-8	Dichlorodifluoromethane	10	U J
74-87-3	Chloromethane	10	U J
75-01-4	Vinyl chloride	14	U J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	3	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2	J
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U J
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	1	J
1634-04-4	Methyl tert-butyl ether	15	
75-34-3	1,1-Dichloroethane	6	J
156-59-2	cis-1,2-Dichloroethene	220 200	U J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	140	
108-87-2	Methylcyclohexane	10	U J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U J
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	600 650	U J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-49D

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-007A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79638.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (μL)

Soil Aliquot Volu _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg <u>UG/L</u>	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	2	J
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U ⁵
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U ⁵
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-49D

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478Case No.: FAIR

SAS No.: _____

SDG No.: FAIR001

Matrix: (soil/water)

WATERLab Sample ID: 1311B27-007ASample wt/vol: 5(g/mL) MLLab File ID: 3\A79638.DLevel: (low/med) LOWDate Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume:

(μl)

Soil Aliquot Volume: 0 (μL)

CONCENTRATION UNITS:

Number TICs found:

2

(μg/L or μg/Kg)

UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000079-38-9	Ethene, chlorotrifluoro-	1.58	29	JN
2. 000354-23-4	Ethane, 1,2-dichloro-1,1,2-trifluor	3.10	28	JN
3.	(DEL) Alkane: Branched	4.32	6	JN

MW-49D

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478Case No.: FAIR

SAS No.: _____

SDG No.: FAIR001

Matrix: (soil/water)

Potable WaterLab Sample ID: 1311B27-007B

Sample wt/vol:

500(g/mL) MLLab File ID: C67395.D

Level: (low/med)

LOWDate Received: 11/20/2013

% Moisture: not dec.

Date Extracted: 11/21/2013GC Column: Rtx-624ID: .18 (mm)Date Analyzed: 11/28/2013Extract Volume: 10000 (μ l)Dilution Factor: 1.00Injection Volume: 1 (μ l)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	μ g/L	Q
123-91-1	1,4-Dioxane		2 1.7	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-49I

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-008A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79641.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volu _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U J
74-87-3	Chloromethane	10	U J
75-01-4	Vinyl chloride	9	J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	4	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U J
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	6	J
1634-04-4	Methyl tert-butyl ether	5	J
75-34-3	1,1-Dichloroethane	13	
156-59-2	cis-1,2-Dichloroethene	110	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	35	
108-87-2	Methylcyclohexane	10	U J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U J
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	41	
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-49I

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-008A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79641.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (μL)

Soil Aliquot Volu _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg <u>UG/L</u>	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U <u>J</u>
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U <u>J</u>
120-82-1	1,2,4-Trichlorobenzene	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-49I

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478Case No.: FAIR

SAS No.: _____

SDG No.: FAIR001

Matrix: (soil/water)

WATERLab Sample ID: 1311B27-008ASample wt/vol: 5(g/mL) MLLab File ID: 3\A79641.DLevel: (low/med) LOWDate Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume:

(μl)

Soil Aliquot Volume: 0 (μL)

CONCENTRATION UNITS:

Number TICs found:

1

(μg/L or μg/Kg)

UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000354-23-4	Ethane, 1,2-dichloro-1,1,2-trifluor	3.10	12	JN

Form 1

CLIENT SAMPLE NO.

MW-49I

Lab Name: H2M LABS INC Contract: _____
Lab Code: 10478 Case No.: FAIR SAS No.: _____ SDG No.: FAIR001
Matrix: (soil/water) Potable Water Lab Sample ID: 1311B27-008B
Sample wt/vol: 500 (g/mL) ML Lab File ID: C67398.D
Level: (low/med) LOW Date Received: 11/20/2013
% Moisture: not dec. Date Extracted: 11/21/2013
GC Column: Rtx-624 ID: .18 (mm) Date Analyzed: 11/28/2013
Extract Volume: 10000 (μ l) Dilution Factor: 1.00
Injection Volume: 1 (μ l)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	μ g/L	Q
123-91-1	1,4-Dioxane		76.8	

FORM I VOA

E522

FAIR001 S89

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-50

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-009A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79642.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volu _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U J
74-87-3	Chloromethane	10	U J
75-01-4	Vinyl chloride	10	J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	2	J
75-35-4	1,1-Dichloroethene	25	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	J
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U J
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	21	
156-59-2	cis-1,2-Dichloroethene	180	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	6	J
71-55-6	1,1,1-Trichloroethane	9	J
110-82-7	Cyclohexane	10	U J
56-23-5	Carbon tetrachloride	4	J
71-43-2	Benzene	4	J
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	810 790	J
108-87-2	Methylcyclohexane	10	U J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U J
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	110	
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-50

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-009A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79642.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volu _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg <u>UG/L</u>	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U J
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U J
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-50

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478Case No.: FAIR

SAS No.: _____

SDG No.: FAIR001

Matrix: (soil/water)

WATERLab Sample ID: 1311B27-009ASample wt/vol: 5(g/mL) MLLab File ID: 3\A79642.DLevel: (low/med) LOWDate Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume:

(μl)

Soil Aliquot Volume: 0 (μL)

CONCENTRATION UNITS:

Number TICs found:

1

(μg/L or μg/Kg)

UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000354-23-4	Ethane, 1,2-dichloro-1,1,2-trifluor	3.10	21	JN

MW-50DL

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478Case No.: FAIR

SAS No.: _____

SDG No.: FAIR001

Matrix: (soil/water)

Potable WaterLab Sample ID: 1311B27-009BDL

Sample wt/vol:

500 (g/mL) MLLab File ID: C67434.D

Level: (low/med)

LOWDate Received: 11/20/2013

% Moisture: not dec.

Date Extracted: 11/21/2013GC Column: Rtx-624ID: .18 (mm)Date Analyzed: 12/3/2013Extract Volume: 10000 (μ L)Dilution Factor: 4.00Injection Volume: 1 (μ L)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	μ g/L	Q
123-91-1	1,4-Dioxane		30	30

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-66133

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-010A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79643.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (μL)

Soil Aliquot Volu _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U J
74-87-3	Chloromethane	10	U J
75-01-4	Vinyl chloride	4	J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	2	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U J
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	1	J
1634-04-4	Methyl tert-butyl ether	8	J
75-34-3	1,1-Dichloroethane	2	J
156-59-2	cis-1,2-Dichloroethene	200 190	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	54	
108-87-2	Methylcyclohexane	10	U J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U J
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	2	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-66133

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-010A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79643.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (μL)

Soil Aliquot Volu _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg <u>UG/L</u>	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U <u>3</u>
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U <u>3</u>
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

S-66133

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478Case No.: FAIR

SAS No.: _____

SDG No.: FAIR001

Matrix: (soil/water)

WATERLab Sample ID: 1311B27-010ASample wt/vol: 5(g/mL) MLLab File ID: 3\A79643.DLevel: (low/med) LOWDate Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume:

(μl)

Soil Aliquot Volume: 0 (μL)

CONCENTRATION UNITS:

Number TICs found:

0

(μg/L or μg/Kg)

UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
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S-66133

Lab Name: H2MLABS INC Contract: _____
Lab Code: 10478 Case No.: FAIR SAS No.: _____ SDG No.: FAIR001
Matrix: (soil/water) Potable Water Lab Sample ID: 1311B27-010B
Sample wt/vol: 500 (g/mL) ML Lab File ID: C67400.D
Level: (low/med) LOW Date Received: 11/20/2013
% Moisture: not dec. Date Extracted: 11/21/2013
GC Column: Rtx-624 ID: .18 (mm) Date Analyzed: 11/28/2013
Extract Volume: 10000 (μ l) Dilution Factor: 1.00
Injection Volume: 1 (μ l)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	μ g/L	Q
123-91-1	1,4-Dioxane		0.7 0.70	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-66134

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-011A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79644.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volu _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg <u>UG/L</u>	<u>Q</u>
75-71-8	Dichlorodifluoromethane	10	U <u>5</u>
74-87-3	Chloromethane	10	U <u>5</u>
75-01-4	Vinyl chloride	10	U <u>5</u>
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U <u>5</u>
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U <u>5</u>
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U <u>5</u>
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U <u>5</u>
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-66134

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-011A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79644.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (μL)

Soil Aliquot Volu _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg <u>UG/L</u>	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U <u>J</u>
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U <u>J</u>
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-66134

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478Case No.: FAIR

SAS No.: _____

SDG No.: FAIR001

Matrix: (soil/water)

WATERLab Sample ID: 1311B27-011ASample wt/vol: 5(g/mL) MLLab File ID: 3\A79644.DLevel: (low/med) LOWDate Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume:

(μl)

Soil Aliquot Volume: 0 (μL)

CONCENTRATION UNITS:

Number TICs found:

0

(μg/L or μg/Kg)

UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
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S-66134

Lab Name: H2M LABS INC Contract: _____
Lab Code: 10478 Case No.: FAIR SAS No.: _____ SDG No.: FAIR001
Matrix: (soil/water) Potable Water Lab Sample ID: 1311B27-011B
Sample wt/vol: 500 (g/mL) ML Lab File ID: C67435.D
Level: (low/med) LOW Date Received: 11/20/2013
% Moisture: not dec. Date Extracted: 11/21/2013
GC Column: Rtx-624 ID: .18 (mm) Date Analyzed: 12/3/2013
Extract Volume: 10000 (μ l) Dilution Factor: 1.00
Injection Volume: 1 (μ l)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	μ g/L	Q
123-91-1	1,4-Dioxane		0.2 0.16	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB 111913

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-013A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79631.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volu _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U J
74-87-3	Chloromethane	10	U J
75-01-4	Vinyl chloride	10	U J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U J
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U J
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB 111913

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-013A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79631.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (μL)

Soil Aliquot Volu _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg <u>UG/L</u>	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U J
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U J
120-82-1	1,2,4-Trichlorobenzene	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FB 111913

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478Case No.: FAIR

SAS No.: _____

SDG No.: FAIR001

Matrix: (soil/water)

WATERLab Sample ID: 1311B27-013ASample wt/vol: 5(g/mL) MLLab File ID: 3\A79631.DLevel: (low/med) LOWDate Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume:

(μl)

Soil Aliquot Volume: 0 (μL)

CONCENTRATION UNITS:

Number TICs found:

0

(μg/L or μg/Kg)

UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
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FB 111913

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478Case No.: FAIR

SAS No.: _____

SDG No.: FAIR001

Matrix: (soil/water)

Potable WaterLab Sample ID: 1311B27-013B

Sample wt/vol:

500 (g/mL) MLLab File ID: C67437.D

Level: (low/med)

LOWDate Received: 11/20/2013

% Moisture: not dec.

Date Extracted: 11/21/2013GC Column: Rtx-624ID: .18 (mm)Date Analyzed: 12/3/2013Extract Volume: 10000 (μ l)Dilution Factor: 1.00Injection Volume: 1 (μ l)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	μ g/L	Q
123-91-1	1,4-Dioxane		0.07 0.05	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-014A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79630.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volu _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U J
74-87-3	Chloromethane	10	U J
75-01-4	Vinyl chloride	10	U J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U J
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U J
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478

Case No.: FAIR

SAS No. _____

SDG No.: FAIR001

Matrix: (soil/water) WATER

Lab Sample ID: 1311B27-014A

Sample wt/vol: 5 (g/mL ML

Lab File ID: 3\A79630.D

Level: (low/med) LOW

Date Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volu _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg <u>UG/L</u>	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U J
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U J
120-82-1	1,2,4-Trichlorobenzene	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Trip Blank

Lab Name: H2M LABS INC

Contract: _____

Lab Code: 10478Case No.: FAIR

SAS No.: _____

SDG No.: FAIR001

Matrix: (soil/water)

WATERLab Sample ID: 1311B27-014ASample wt/vol: 5(g/mL) MLLab File ID: 3\A79630.DLevel: (low/med) LOWDate Received: 11/20/13

% Moisture: not dec.

Date Analyzed: 11/23/13GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume:

(µl)

Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found:

0

(µg/L or µg/Kg)

UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
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APPENDIX D

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.120619.01 02/27/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-1

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:02/17/12 RECEIVED:02/17/12

TIME COL'D:1400

MATRIX:Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 5	022112		5	EPA8260
112 Trichloroethane	ug/L	< 5	022112		5	EPA8260
Tetrachloroethene	ug/L	790	022112	D	50	EPA8260
1,3-Dichloropropane	ug/L	< 5	022112		5	EPA8260
Chlorodibromomethane	ug/L	< 5	022112		5	EPA8260
1,2 Dibromoethane	ug/L	< 5	022112		5	EPA8260
Chlorobenzene	ug/L	< 5	022112		5	EPA8260
Ethyl Benzene	ug/L	< 5	022112		5	EPA8260
1112Tetrachloroethane	ug/L	< 5	022112		5	EPA8260
m + p Xylene	ug/L	< 10	022112		10	EPA8260
o Xylene	ug/L	< 5	022112		5	EPA8260
Styrene	ug/L	< 5	022112		5	EPA8260
Bromoform	ug/L	< 5	022112		5	EPA8260
Isopropylbenzene	ug/L	< 5	022112		5	EPA8260
Bromobenzene	ug/L	< 5	022112		5	EPA8260
1122Tetrachloroethane	ug/L	< 5	022112		5	EPA8260
123-Trichloropropane	ug/L	< 5	022112		5	EPA8260
n-Propylbenzene	ug/L	< 5	022112		5	EPA8260
2-Chlorotoluene	ug/L	< 5	022112		5	EPA8260
135-Trimethylbenzene	ug/L	< 5	022112		5	EPA8260
4-Chlorotoluene	ug/L	< 5	022112		5	EPA8260
tert-Butylbenzene	ug/L	< 5	022112		5	EPA8260
124-Trimethylbenzene	ug/L	< 5	022112		5	EPA8260
sec-Butylbenzene	ug/L	< 5	022112		5	EPA8260
p-Isopropyltoluene	ug/L	< 5	022112		5	EPA8260

cc:Fairchild, Skopicki

LRL=Laboratory Reporting Limit

REMARKS: D: Indicates compound at secondary dilution.

Thomas Powell

DIRECTOR

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.120619.01 02/27/12Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-1

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:02/17/12 RECEIVED:02/17/12

TIME COL'D:1400

MATRIX:Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 5	022112	5	EPA8260
Chloromethane	ug/L	< 5	022112	5	EPA8260
Vinyl Chloride	ug/L	30	022112	5	EPA8260
Bromomethane	ug/L	< 5	022112	5	EPA8260
Chloroethane	ug/L	< 5	022112	5	EPA8260
Trichlorofluoromethane	ug/L	< 5	022112	5	EPA8260
1,1 Dichloroethene	ug/L	11	022112	5	EPA8260
Methylene Chloride	ug/L	< 5	022112	5	EPA8260
t-1,2-Dichloroethene	ug/L	< 5	022112	5	EPA8260
1,1 Dichloroethane	ug/L	15	022112	5	EPA8260
2,2-Dichloropropane	ug/L	< 5	022112	5	EPA8260
c-1,2-Dichloroethene	ug/L	440	022112	5	EPA8260
Bromochloromethane	ug/L	< 5	022112	5	EPA8260
Chloroform	ug/L	< 5	022112	5	EPA8260
111 Trichloroethane	ug/L	< 5	022112	5	EPA8260
Carbon Tetrachloride	ug/L	< 5	022112	5	EPA8260
1,1-Dichloropropene	ug/L	< 5	022112	5	EPA8260
Benzene	ug/L	6	022112	5	EPA8260
1,2 Dichloroethane	ug/L	< 5	022112	5	EPA8260
Trichloroethene	ug/L	440	022112	5	EPA8260
1,2 Dichloropropane	ug/L	< 5	022112	5	EPA8260
Dibromomethane	ug/L	< 5	022112	5	EPA8260
Bromodichloromethane	ug/L	< 5	022112	5	EPA8260
c-1,3Dichloropropene	ug/L	< 5	022112	5	EPA8260
Toluene	ug/L	< 5	022112	5	EPA8260

cc:Fairchild, Skopicki

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR 

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120619.01

02/27/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-1

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:02/17/12 RECEIVED:02/17/12

TIME COL'D:1400

MATRIX:Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 5	022112		5	EPA8260
112 Trichloroethane	ug/L	< 5	022112		5	EPA8260
Tetrachloroethene	ug/L	790	022112 D		50	EPA8260
1,3-Dichloropropane	ug/L	< 5	022112		5	EPA8260
Chlorodibromomethane	ug/L	< 5	022112		5	EPA8260
1,2 Dibromoethane	ug/L	< 5	022112		5	EPA8260
Chlorobenzene	ug/L	< 5	022112		5	EPA8260
Ethyl Benzene	ug/L	< 5	022112		5	EPA8260
1112Tetrachloroethane	ug/L	< 5	022112		5	EPA8260
m + p Xylene	ug/L	< 10	022112		10	EPA8260
o Xylene	ug/L	< 5	022112		5	EPA8260
Styrene	ug/L	< 5	022112		5	EPA8260
Bromoform	ug/L	< 5	022112		5	EPA8260
Isopropylbenzene	ug/L	< 5	022112		5	EPA8260
Bromobenzene	ug/L	< 5	022112		5	EPA8260
1122Tetrachloroethane	ug/L	< 5	022112		5	EPA8260
123-Trichloropropane	ug/L	< 5	022112		5	EPA8260
n-Propylbenzene	ug/L	< 5	022112		5	EPA8260
2-Chlorotoluene	ug/L	< 5	022112		5	EPA8260
135-Trimethylbenzene	ug/L	< 5	022112		5	EPA8260
4-Chlorotoluene	ug/L	< 5	022112		5	EPA8260
tert-Butylbenzene	ug/L	< 5	022112		5	EPA8260
124-Trimethylbenzene	ug/L	< 5	022112		5	EPA8260
sec-Butylbenzene	ug/L	< 5	022112		5	EPA8260
p-Isopropyltoluene	ug/L	< 5	022112		5	EPA8260

cc:Fairchild, Skopicki

LRL=Laboratory Reporting Limit

REMARKS: D: Indicates compound at secondary dilution.

Thomas Powell

DIRECTOR

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120619.01

02/27/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-1

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:02/17/12 RECEIVED:02/17/12

TIME COL'D:1400

MATRIX:Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	-ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 5	022112	5	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 5	022112	5	EPA8260
n-Butylbenzene	ug/L	< 5	022112	5	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 5	022112	5	EPA8260
Dibromochloropropane	ug/L	< 5	022112	5	EPA8260
124-Trichlorobenzene (v)	ug/L	< 5	022112	5	EPA8260
Hexachlorobutadiene	ug/L	< 5	022112	5	EPA8260
Naphthalene(v)	ug/L	< 5	022112	5	EPA8260
123-Trichlorobenzene	ug/L	< 5	022112	5	EPA8260
ter-ButylMethylEther	ug/L	34	022112	5	EPA8260
p-Ethyltoluene	ug/L	< 5	022112	5	EPA8260
Freon 113	ug/L	20	022112	5	EPA8260
1245 Tetramethylbenz	ug/L	< 5	022112	5	EPA8260
Acetone	ug/L	< 50	022112	50	EPA8260
Methyl Ethyl Ketone	ug/L	< 50	022112	50	EPA8260
Methylisobutylketone	ug/L	< 50	022112	50	EPA8260
Chlorodifluoromethane	ug/L	< 5	022112	5	EPA8260
p Diethylbenzene	ug/L	< 5	022112	5	EPA8260

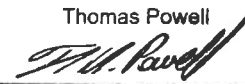
cc:Fairchild, Skopicki

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell

DIRECTOR



ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120619.01

02/27/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-1

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:02/17/12 RECEIVED:02/17/12

TIME COL'D:1400

MATRIX:Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	ANALYTICAL LRL METHOD
Iron as Fe	mg/L	0.17	022212	0.01 EPA200.7
Manganese as Mn	mg/L	0.1	022212	0.01 EPA200.7
Zinc as Zn	mg/L	0.07	022212	0.01 EPA200.7
pH@lab units		5.8	022212 0928	0.1 SM184500HB
Tot Dissolved Solids	mg/L	97	022112	10 S182540C

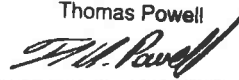
cc:Fairchild, Skopicki

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell

DIRECTOR



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120619.02

02/27/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-1

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:02/17/12 RECEIVED:02/17/12

TIME COL'D:1400

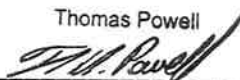
MATRIX:Water SAMPLE: DISSOLVED

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Iron as Fe	mg/L	0.12	022112	0.01	EPA200.7
Manganese as Mn	mg/L	0.09	022112	0.01	EPA200.7
Zinc as Zn	mg/L	0.12	022112	0.01	EPA200.7

cc:Fairchild, Skopicki

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR 

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

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LAB NO. 120619.03 02/27/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-2

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D: 02/17/12 RECEIVED: 02/17/12

TIME COL'D: 1350

MATRIX: Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1	022112	1	EPA8260
Chloromethane	ug/L	< 1	022112	1	EPA8260
Vinyl Chloride	ug/L	< 1	022112	1	EPA8260
Bromomethane	ug/L	< 1	022112	1	EPA8260
Chloroethane	ug/L	< 1	022112	1	EPA8260
Trichlorofluoromethane	ug/L	< 1	022112	1	EPA8260
1,1 Dichloroethene	ug/L	< 1	022112	1	EPA8260
Methylene Chloride	ug/L	< 1	022112	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1	022112	1	EPA8260
1,1 Dichloroethane	ug/L	< 1	022112	1	EPA8260
2,2-Dichloropropane	ug/L	< 1	022112	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1	022112	1	EPA8260
Bromochloromethane	ug/L	< 1	022112	1	EPA8260
Chloroform	ug/L	< 1	022112	1	EPA8260
111 Trichloroethane	ug/L	< 1	022112	1	EPA8260
Carbon Tetrachloride	ug/L	< 1	022112	1	EPA8260
1,1-Dichloropropene	ug/L	< 1	022112	1	EPA8260
Benzene	ug/L	< 1	022112	1	EPA8260
1,2 Dichloroethane	ug/L	< 1	022112	1	EPA8260
Trichloroethene	ug/L	< 1	022112	1	EPA8260
1,2 Dichloropropane	ug/L	< 1	022112	1	EPA8260
Dibromomethane	ug/L	< 1	022112	1	EPA8260
Bromodichloromethane	ug/L	< 1	022112	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1	022112	1	EPA8260
Toluene	ug/L	< 1	022112	1	EPA8260

cc: Fairchild, Skopicki

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR 
Thomas Powell

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LAB NO.120619.03

02/27/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-2

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:02/17/12 RECEIVED:02/17/12

TIME COL'D:1350

MATRIX:Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG	OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1	022112			1	EPA8260
112 Trichloroethane	ug/L	< 1	022112			1	EPA8260
Tetrachloroethene	ug/L	< 1	022112			1	EPA8260
1,3-Dichloropropane	ug/L	< 1	022112			1	EPA8260
Chlorodibromomethane	ug/L	< 1	022112			1	EPA8260
1,2 Dibromoethane	ug/L	< 1	022112			1	EPA8260
Chlorobenzene	ug/L	< 1	022112			1	EPA8260
Ethyl Benzene	ug/L	< 1	022112			1	EPA8260
1112Tetrachloroethane	ug/L	< 1	022112			1	EPA8260
m + p Xylene	ug/L	< 2	022112			2	EPA8260
o Xylene	ug/L	< 1	022112			1	EPA8260
Styrene	ug/L	< 1	022112			1	EPA8260
Bromoform	ug/L	< 1	022112			1	EPA8260
Isopropylbenzene	ug/L	< 1	022112			1	EPA8260
Bromobenzene	ug/L	< 1	022112			1	EPA8260
1122Tetrachloroethane	ug/L	< 1	022112			1	EPA8260
123-Trichloropropane	ug/L	< 1	022112			1	EPA8260
n-Propylbenzene	ug/L	< 1	022112			1	EPA8260
2-Chlorotoluene	ug/L	< 1	022112			1	EPA8260
135-Trimethylbenzene	ug/L	< 1	022112			1	EPA8260
4-Chlorotoluene	ug/L	< 1	022112			1	EPA8260
tert-Butylbenzene	ug/L	< 1	022112			1	EPA8260
124-Trimethylbenzene	ug/L	< 1	022112			1	EPA8260
sec-Butylbenzene	ug/L	< 1	022112			1	EPA8260
p-Isopropyltoluene	ug/L	< 1	022112			1	EPA8260

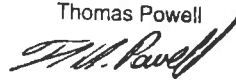
cc:Fairchild, Skopicki

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell

DIRECTOR



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Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.120619.03 02/27/12Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-2

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:02/17/12 RECEIVED:02/17/12

TIME COL'D:1350

MATRIX:Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1	022112	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1	022112	1	EPA8260
n-Butylbenzene	ug/L	< 1	022112	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1	022112	1	EPA8260
Dibromochloropropane	ug/L	< 1	022112	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1	022112	1	EPA8260
Hexachlorobutadiene	ug/L	< 1	022112	1	EPA8260
Naphthalene(v)	ug/L	< 1	022112	1	EPA8260
123-Trichlorobenzene	ug/L	< 1	022112	1	EPA8260
ter. ButylMethylEther	ug/L	11	022112	1	EPA8260
p-Ethyltoluene	ug/L	< 1	022112	1	EPA8260
Freon 113	ug/L	< 1	022112	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1	022112	1	EPA8260
Acetone	ug/L	< 10	022112	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10	022112	10	EPA8260
Methylisobutylketone	ug/L	< 10	022112	10	EPA8260
Chlorodifluoromethane	ug/L	< 1	022112	1	EPA8260
p Diethylbenzene	ug/L	< 1	022112	1	EPA8260

cc:Fairchild, Skopicki

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell

DIRECTOR

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120619.03

02/27/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-2

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:02/17/12 RECEIVED:02/17/12

TIME COL'D:1350

MATRIX:Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	ANALYTICAL LRL METHOD
Iron as Fe	mg/L	0.16	022212	0.01 EPA200.7
Manganese as Mn	mg/L	0.1	022212	0.01 EPA200.7
Zinc as Zn	mg/L	0.04	022212	0.01 EPA200.7
pH@lab units		7.3	022212 0933	0.1 SM184500HB
Tot Dissolved Solids	mg/L	100	022112	10 S182540C

cc:Fairchild, Skopicki

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell

DIRECTOR

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120619.04

02/27/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-2

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:02/17/12 RECEIVED:02/17/12

TIME COL'D:1350

MATRIX:Water SAMPLE: DISSOLVED

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	ANALYTICAL LRL METHOD
Iron as Fe	mg/L	< 0.01	022112	0.01 EPA200.7
Manganese as Mn	mg/L	0.09	022112	0.01 EPA200.7
Zinc as Zn	mg/L	0.03	022112	0.01 EPA200.7

cc:Fairchild, Skopicki

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell

DIRECTOR 

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LAB NO. 120619.05

02/27/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Effluent

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D: 02/17/12 RECEIVED: 02/17/12

TIME COL'D: 1345

MATRIX: Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1	022112	1	EPA8260
Chloromethane	ug/L	< 1	022112	1	EPA8260
Vinyl Chloride	ug/L	< 1	022112	1	EPA8260
Bromomethane	ug/L	< 1	022112	1	EPA8260
Chloroethane	ug/L	< 1	022112	1	EPA8260
Trichlorofluoromethane	ug/L	< 1	022112	1	EPA8260
1,1 Dichloroethene	ug/L	< 1	022112	1	EPA8260
Methylene Chloride	ug/L	< 1	022112	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1	022112	1	EPA8260
1,1 Dichloroethane	ug/L	< 1	022112	1	EPA8260
2,2-Dichloropropane	ug/L	< 1	022112	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1	022112	1	EPA8260
Bromochloromethane	ug/L	< 1	022112	1	EPA8260
Chloroform	ug/L	< 1	022112	1	EPA8260
111 Trichloroethane	ug/L	< 1	022112	1	EPA8260
Carbon Tetrachloride	ug/L	< 1	022112	1	EPA8260
1,1-Dichloropropene	ug/L	< 1	022112	1	EPA8260
Benzene	ug/L	< 1	022112	1	EPA8260
1,2 Dichloroethane	ug/L	< 1	022112	1	EPA8260
Trichloroethene	ug/L	< 1	022112	1	EPA8260
1,2 Dichloropropane	ug/L	< 1	022112	1	EPA8260
Dibromomethane	ug/L	< 1	022112	1	EPA8260
Bromodichloromethane	ug/L	< 1	022112	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1	022112	1	EPA8260
Toluene	ug/L	< 1	022112	1	EPA8260

cc: Fairchild, Skopicki

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell

DIRECTOR

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120619.05

02/27/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Effluent

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:02/17/12 RECEIVED:02/17/12

TIME COL'D:1345

MATRIX:Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1	022112	1	EPA8260
112 Trichloroethane	ug/L	< 1	022112	1	EPA8260
Tetrachloroethene	ug/L	< 1	022112	1	EPA8260
1,3-Dichloropropane	ug/L	< 1	022112	1	EPA8260
Chlorodibromomethane	ug/L	< 1	022112	1	EPA8260
1,2 Dibromoethane	ug/L	< 1	022112	1	EPA8260
Chlorobenzene	ug/L	< 1	022112	1	EPA8260
Ethyl Benzene	ug/L	< 1	022112	1	EPA8260
1112Tetrachloroethane	ug/L	< 1	022112	1	EPA8260
m + p Xylene	ug/L	< 2	022112	2	EPA8260
o Xylene	ug/L	< 1	022112	1	EPA8260
Styrene	ug/L	< 1	022112	1	EPA8260
Bromoform	ug/L	< 1	022112	1	EPA8260
Isopropylbenzene	ug/L	< 1	022112	1	EPA8260
Bromobenzene	ug/L	< 1	022112	1	EPA8260
1122Tetrachloroethane	ug/L	< 1	022112	1	EPA8260
123-Trichloropropane	ug/L	< 1	022112	1	EPA8260
n-Propylbenzene	ug/L	< 1	022112	1	EPA8260
2-Chlorotoluene	ug/L	< 1	022112	1	EPA8260
135-Trimethylbenzene	ug/L	< 1	022112	1	EPA8260
4-Chlorotoluene	ug/L	< 1	022112	1	EPA8260
tert-Butylbenzene	ug/L	< 1	022112	1	EPA8260
124-Trimethylbenzene	ug/L	< 1	022112	1	EPA8260
sec-Butylbenzene	ug/L	< 1	022112	1	EPA8260
p-Isopropyltoluene	ug/L	< 1	022112	1	EPA8260

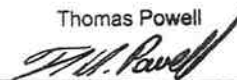
cc:Fairchild, Skopicki

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell

DIRECTOR



ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.120619.05 02/27/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Effluent

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:02/17/12 RECEIVED:02/17/12

TIME COL'D:1345

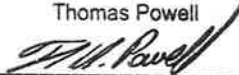
MATRIX:Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1	022112	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1	022112	1	EPA8260
n-Butylbenzene	ug/L	< 1	022112	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1	022112	1	EPA8260
Dibromochloropropane	ug/L	< 1	022112	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1	022112	1	EPA8260
Hexachlorobutadiene	ug/L	< 1	022112	1	EPA8260
Naphthalene(v)	ug/L	< 1	022112	1	EPA8260
123-Trichlorobenzene	ug/L	< 1	022112	1	EPA8260
ter-ButylMethylEther	ug/L	3	022112	1	EPA8260
p-Ethyltoluene	ug/L	< 1	022112	1	EPA8260
Freon 113	ug/L	< 1	022112	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1	022112	1	EPA8260
Acetone	ug/L	< 10	022112	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10	022112	10	EPA8260
Methylisobutylketone	ug/L	< 10	022112	10	EPA8260
Chlorodifluoromethane	ug/L	< 1	022112	1	EPA8260
p Diethylbenzene	ug/L	< 1	022112	1	EPA8260

cc:Fairchild, Skopicki

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR 

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO. 120619.05 02/27/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Effluent

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D: 02/17/12 RECEIVED: 02/17/12

TIME COL'D: 1345

MATRIX: Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	ANALYTICAL LRL METHOD
Iron as Fe	mg/L	0.16	022212	0.01 EPA200.7
Manganese as Mn	mg/L	0.1	022212	0.01 EPA200.7
Zinc as Zn	mg/L	0.04	022212	0.01 EPA200.7
pH@lab units		7.3	022212 0936	0.1 SM184500HB
Tot Dissolved Solids	mg/L	98	022112	10 S182540C

cc: Fairchild, Skopicki

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell

DIRECTOR



ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.120619.06 02/27/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Effluent

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:02/17/12 RECEIVED:02/17/12

TIME COL'D:1345

MATRIX:Water SAMPLE: DISSOLVED

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	ANALYTICAL	
			FLAG OF ANALYSIS	LRL	METHOD
Iron as Fe	mg/L	< 0.01	022112	0.01	EPA200.7
Manganese as Mn	mg/L	0.09	022112	0.01	EPA200.7
Zinc as Zn	mg/L	0.03	022112	0.01	EPA200.7

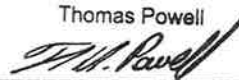
cc:Fairchild, Skopicki

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell

DIRECTOR



ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO. 121148.01 04/06/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-1

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D: 03/30/12 RECEIVED: 03/30/12

TIME COL'D: 1100

MATRIX: Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 5	033012		5	EPA8260
Chloromethane	ug/L	< 5	033012		5	EPA8260
Vinyl Chloride	ug/L	31	033012		5	EPA8260
Bromomethane	ug/L	< 5	033012		5	EPA8260
Chloroethane	ug/L	< 5	033012		5	EPA8260
Trichlorofluoromethane	ug/L	< 5	033012		5	EPA8260
1,1 Dichloroethene	ug/L	9	033012		5	EPA8260
Methylene Chloride	ug/L	< 5	033012		5	EPA8260
t-1,2-Dichloroethene	ug/L	< 5	033012		5	EPA8260
1,1 Dichloroethane	ug/L	17	033012		5	EPA8260
2,2-Dichloropropane	ug/L	< 5	033012		5	EPA8260
c-1,2-Dichloroethene	ug/L	440	033012		5	EPA8260
Bromochloromethane	ug/L	< 5	033012		5	EPA8260
Chloroform	ug/L	< 5	033012		5	EPA8260
111 Trichloroethane	ug/L	< 5	033012		5	EPA8260
Carbon Tetrachloride	ug/L	< 5	033012		5	EPA8260
1,1-Dichloropropene	ug/L	< 5	033012		5	EPA8260
Benzene	ug/L	5	033012		5	EPA8260
1,2 Dichloroethane	ug/L	< 5	033012		5	EPA8260
Trichloroethene	ug/L	450	033012		5	EPA8260
1,2 Dichloropropane	ug/L	< 5	033012		5	EPA8260
Dibromomethane	ug/L	< 5	033012		5	EPA8260
Bromodichloromethane	ug/L	< 5	033012		5	EPA8260
c-1,3Dichloropropene	ug/L	< 5	033012		5	EPA8260
Toluene	ug/L	< 5	033012		5	EPA8260

cc: Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell

DIRECTOR

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.121148.01 04/06/12Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-1

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D: 03/30/12 RECEIVED: 03/30/12

TIME COL'D: 1100

MATRIX: Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 5	033012	5	EPA8260
112 Trichloroethane	ug/L	< 5	033012	5	EPA8260
Tetrachloroethene	ug/L	740	D 033012	20	EPA8260
1,3-Dichloropropane	ug/L	< 5	033012	5	EPA8260
Chlorodibromomethane	ug/L	< 5	033012	5	EPA8260
1,2 Dibromoethane	ug/L	< 5	033012	5	EPA8260
Chlorobenzene	ug/L	< 5	033012	5	EPA8260
Ethyl Benzene	ug/L	< 5	033012	5	EPA8260
1112Tetrachloroethane	ug/L	< 5	033012	5	EPA8260
m + p Xylene	ug/L	< 10	033012	10	EPA8260
o Xylene	ug/L	< 5	033012	5	EPA8260
Styrene	ug/L	< 5	033012	5	EPA8260
Bromoform	ug/L	< 5	033012	5	EPA8260
Isopropylbenzene	ug/L	< 5	033012	5	EPA8260
Bromobenzene	ug/L	< 5	033012	5	EPA8260
1122Tetrachloroethane	ug/L	< 5	033012	5	EPA8260
123-Trichloropropane	ug/L	< 5	033012	5	EPA8260
n-Propylbenzene	ug/L	< 5	033012	5	EPA8260
2-Chlorotoluene	ug/L	< 5	033012	5	EPA8260
135-Trimethylbenzene	ug/L	< 5	033012	5	EPA8260
4-Chlorotoluene	ug/L	< 5	033012	5	EPA8260
tert-Butylbenzene	ug/L	< 5	033012	5	EPA8260
124-Trimethylbenzene	ug/L	< 5	033012	5	EPA8260
sec-Butylbenzene	ug/L	< 5	033012	5	EPA8260
p-Isopropyltoluene	ug/L	< 5	033012	5	EPA8260

cc: Wire to Water

LRL=Laboratory Reporting Limit

REMARKS: D: Indicates compound reported at secondary dilution.

Thomas Powell
DIRECTOR 

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO. 121148.01 04/06/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-1

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D: 03/30/12 RECEIVED: 03/30/12
TIME COL'D: 1100

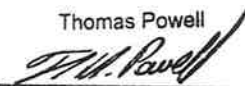
MATRIX: Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 5	033012		5	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 5	033012		5	EPA8260
n-Butylbenzene	ug/L	< 5	033012		5	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 5	033012		5	EPA8260
Dibromochloropropane	ug/L	< 5	033012		5	EPA8260
124-Trichlorobenzene (v)	ug/L	< 5	033012		5	EPA8260
Hexachlorobutadiene	ug/L	< 5	033012		5	EPA8260
Naphthalene(v)	ug/L	< 5	033012		5	EPA8260
123-Trichlorobenzene	ug/L	< 5	033012		5	EPA8260
ter. ButylMethylEther	ug/L	42	033012		5	EPA8260
p-Ethyltoluene	ug/L	< 5	033012		5	EPA8260
Freon 113	ug/L	20	033012		5	EPA8260
1245 Tetramethylbenz	ug/L	< 5	033012		5	EPA8260
Acetone	ug/L	< 50	033012		50	EPA8260
Methyl Ethyl Ketone	ug/L	< 50	033012		50	EPA8260
Methylisobutylketone	ug/L	< 50	033012		50	EPA8260
Chlorodifluoromethane	ug/L	< 5	033012		5	EPA8260
p Diethylbenzene	ug/L	< 5	033012		5	EPA8260

cc: Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR 

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO. 121148.01 04/06/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-1

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D: 03/30/12 RECEIVED: 03/30/12

TIME COL'D: 1100

MATRIX: Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Iron as Fe	mg/L	0.18	040412		0.01	EPA200.7
Manganese as Mn	mg/L	0.09	040412		0.01	EPA200.7
Zinc as Zn	mg/L	0.08	040412		0.01	EPA200.7
Tot Dissolved Solids	mg/L	120	040312		10	S182540C
pH@lab	units	5.8	033012 1519		0.1	S184500HB

cc: Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Thomas Powell

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO. 121148.02

04/06/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-1

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D: 03/30/12 RECEIVED: 03/30/12

TIME COL'D: 1100

MATRIX: Water SAMPLE: DISSOLVED

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Iron as Fe	mg/L	0.14	040412	0.01	EPA200.7
Manganese as Mn	mg/L	0.09	040412	0.01	EPA200.7
Zinc as Zn	mg/L	0.25	040412	0.01	EPA200.7

cc: Wire to Water

LRL=Laboratory Reporting Limit

REMARKS: Sample was filtered by EcoTest Labs.

DIRECTOR Thomas Powell


ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.121148.03 04/06/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-2

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:03/30/12 RECEIVED:03/30/12

TIME COL'D:1050

MATRIX:Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1	033012	1	EPA8260
Chloromethane	ug/L	< 1	033012	1	EPA8260
Vinyl Chloride	ug/L	< 1	033012	1	EPA8260
Bromomethane	ug/L	< 1	033012	1	EPA8260
Chloroethane	ug/L	< 1	033012	1	EPA8260
Trichlorofluoromethane	ug/L	< 1	033012	1	EPA8260
1,1 Dichloroethene	ug/L	< 1	033012	1	EPA8260
Methylene Chloride	ug/L	< 1	033012	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1	033012	1	EPA8260
1,1 Dichloroethane	ug/L	< 1	033012	1	EPA8260
2,2-Dichloropropane	ug/L	< 1	033012	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1	033012	1	EPA8260
Bromochloromethane	ug/L	< 1	033012	1	EPA8260
Chloroform	ug/L	< 1	033012	1	EPA8260
111 Trichloroethane	ug/L	< 1	033012	1	EPA8260
Carbon Tetrachloride	ug/L	< 1	033012	1	EPA8260
1,1-Dichloropropene	ug/L	< 1	033012	1	EPA8260
Benzene	ug/L	< 1	033012	1	EPA8260
1,2 Dichloroethane	ug/L	< 1	033012	1	EPA8260
Trichloroethene	ug/L	< 1	033012	1	EPA8260
1,2 Dichloropropane	ug/L	< 1	033012	1	EPA8260
Dibromomethane	ug/L	< 1	033012	1	EPA8260
Bromodichloromethane	ug/L	< 1	033012	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1	033012	1	EPA8260
Toluene	ug/L	< 1	033012	1	EPA8260

cc:Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR Thomas Powell

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO. 121148.03 04/06/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-2

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D: 03/30/12 RECEIVED: 03/30/12

TIME COL'D: 1050

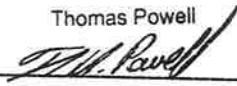
MATRIX: Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1	033012		1	EPA8260
112 Trichloroethane	ug/L	< 1	033012		1	EPA8260
Tetrachloroethene	ug/L	< 1	033012		1	EPA8260
1,3-Dichloropropane	ug/L	< 1	033012		1	EPA8260
Chlorodibromomethane	ug/L	< 1	033012		1	EPA8260
1,2 Dibromoethane	ug/L	< 1	033012		1	EPA8260
Chlorobenzene	ug/L	< 1	033012		1	EPA8260
Ethyl Benzene	ug/L	< 1	033012		1	EPA8260
1112Tetrachloroethane	ug/L	< 1	033012		1	EPA8260
m + p Xylene	ug/L	< 2	033012		2	EPA8260
o Xylene	ug/L	< 1	033012		1	EPA8260
Styrene	ug/L	< 1	033012		1	EPA8260
Bromoform	ug/L	< 1	033012		1	EPA8260
Isopropylbenzene	ug/L	< 1	033012		1	EPA8260
Bromobenzene	ug/L	< 1	033012		1	EPA8260
1122Tetrachloroethane	ug/L	< 1	033012		1	EPA8260
123-Trichloropropane	ug/L	< 1	033012		1	EPA8260
n-Propylbenzene	ug/L	< 1	033012		1	EPA8260
2-Chlorotoluene	ug/L	< 1	033012		1	EPA8260
135-Trimethylbenzene	ug/L	< 1	033012		1	EPA8260
4-Chlorotoluene	ug/L	< 1	033012		1	EPA8260
tert-Butylbenzene	ug/L	< 1	033012		1	EPA8260
124-Trimethylbenzene	ug/L	< 1	033012		1	EPA8260
sec-Butylbenzene	ug/L	< 1	033012		1	EPA8260
p-Isopropyltoluene	ug/L	< 1	033012		1	EPA8260

cc: Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR 

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO. 121148.03 04/06/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-2

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D: 03/30/12 RECEIVED: 03/30/12

TIME COL'D: 1050

MATRIX: Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1	033012	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1	033012	1	EPA8260
n-Butylbenzene	ug/L	< 1	033012	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1	033012	1	EPA8260
Dibromochloropropane	ug/L	< 1	033012	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1	033012	1	EPA8260
Hexachlorobutadiene	ug/L	< 1	033012	1	EPA8260
Naphthalene(v)	ug/L	< 1	033012	1	EPA8260
123-Trichlorobenzene	ug/L	< 1	033012	1	EPA8260
ter. ButylMethylEther	ug/L	14	033012	1	EPA8260
p-Ethyltoluene	ug/L	< 1	033012	1	EPA8260
Freon 113	ug/L	< 1	033012	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1	033012	1	EPA8260
Acetone	ug/L	< 10	033012	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10	033012	10	EPA8260
Methylisobutylketone	ug/L	< 10	033012	10	EPA8260
Chlorodifluoromethane	ug/L	< 1	033012	1	EPA8260
p Diethylbenzene	ug/L	< 1	033012	1	EPA8260

cc: Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR 
Thomas Powell

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.121148.03 04/06/12Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-2

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:03/30/12 RECEIVED:03/30/12

TIME COL'D:1050

MATRIX:Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Iron as Fe	mg/L	0.15	040412		0.01	EPA200.7
Manganese as Mn	mg/L	0.1	040412		0.01	EPA200.7
Zinc as Zn	mg/L	0.07	040412		0.01	EPA200.7
Tot Dissolved Solids	mg/L	120	040312		10	S182540C
pH@lab	units	7.4	033012 1524		0.1	S184500HB

cc:Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell

DIRECTOR 

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO. 121148.04 04/06/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: IN-2

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D: 03/30/12 RECEIVED: 03/30/12

TIME COL'D: 1050

MATRIX: Water SAMPLE: DISSOLVED

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Iron as Fe	mg/L	< 0.01	040412		0.01	EPA200.7
Manganese as Mn	mg/L	0.09	040412		0.01	EPA200.7
Zinc as Zn	mg/L	0.04	040412		0.01	EPA200.7

cc: Wire to Water

LRL=Laboratory Reporting Limit

REMARKS: Sample was filtered by EcoTest Labs.

DIRECTOR 
Thomas Powell

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO. 121148.05

04/06/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Effluent

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D: 03/30/12 RECEIVED: 03/30/12

TIME COL'D: 1100

MATRIX: Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1	033012	1	EPA8260
Chloromethane	ug/L	< 1	033012	1	EPA8260
Vinyl Chloride	ug/L	< 1	033012	1	EPA8260
Bromomethane	ug/L	< 1	033012	1	EPA8260
Chloroethane	ug/L	< 1	033012	1	EPA8260
Trichlorofluoromethane	ug/L	< 1	033012	1	EPA8260
1,1 Dichloroethene	ug/L	< 1	033012	1	EPA8260
Methylene Chloride	ug/L	< 1	033012	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1	033012	1	EPA8260
1,1 Dichloroethane	ug/L	< 1	033012	1	EPA8260
2,2-Dichloropropane	ug/L	< 1	033012	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1	033012	1	EPA8260
Bromochloromethane	ug/L	< 1	033012	1	EPA8260
Chloroform	ug/L	< 1	033012	1	EPA8260
111 Trichloroethane	ug/L	< 1	033012	1	EPA8260
Carbon Tetrachloride	ug/L	< 1	033012	1	EPA8260
1,1-Dichloropropene	ug/L	< 1	033012	1	EPA8260
Benzene	ug/L	< 1	033012	1	EPA8260
1,2 Dichloroethane	ug/L	< 1	033012	1	EPA8260
Trichloroethene	ug/L	< 1	033012	1	EPA8260
1,2 Dichloropropane	ug/L	< 1	033012	1	EPA8260
Dibromomethane	ug/L	< 1	033012	1	EPA8260
Bromodichloromethane	ug/L	< 1	033012	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1	033012	1	EPA8260
Toluene	ug/L	< 1	033012	1	EPA8260

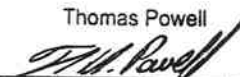
cc: Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell

DIRECTOR



ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.121148.05 04/06/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Effluent

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:03/30/12 RECEIVED:03/30/12

TIME COL'D:1100

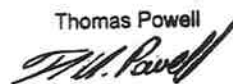
MATRIX:Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1	033012	1	EPA8260
112 Trichloroethane	ug/L	< 1	033012	1	EPA8260
Tetrachloroethene	ug/L	< 1	033012	1	EPA8260
1,3-Dichloropropane	ug/L	< 1	033012	1	EPA8260
Chlorodibromomethane	ug/L	< 1	033012	1	EPA8260
1,2 Dibromoethane	ug/L	< 1	033012	1	EPA8260
Chlorobenzene	ug/L	< 1	033012	1	EPA8260
Ethyl Benzene	ug/L	< 1	033012	1	EPA8260
1112Tetrachloroethane	ug/L	< 1	033012	1	EPA8260
m + p Xylene	ug/L	< 2	033012	2	EPA8260
o Xylene	ug/L	< 1	033012	1	EPA8260
Styrene	ug/L	< 1	033012	1	EPA8260
Bromoform	ug/L	< 1	033012	1	EPA8260
Isopropylbenzene	ug/L	< 1	033012	1	EPA8260
Bromobenzene	ug/L	< 1	033012	1	EPA8260
1122Tetrachloroethane	ug/L	< 1	033012	1	EPA8260
123-Trichloropropane	ug/L	< 1	033012	1	EPA8260
n-Propylbenzene	ug/L	< 1	033012	1	EPA8260
2-Chlorotoluene	ug/L	< 1	033012	1	EPA8260
135-Trimethylbenzene	ug/L	< 1	033012	1	EPA8260
4-Chlorotoluene	ug/L	< 1	033012	1	EPA8260
tert-Butylbenzene	ug/L	< 1	033012	1	EPA8260
124-Trimethylbenzene	ug/L	< 1	033012	1	EPA8260
sec-Butylbenzene	ug/L	< 1	033012	1	EPA8260
p-Isopropyltoluene	ug/L	< 1	033012	1	EPA8260

cc:Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR 
Thomas Powell

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.121148.05 04/06/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Effluent

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:03/30/12 RECEIVED:03/30/12

TIME COL'D:1100

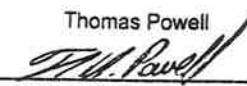
MATRIX:Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1	033012	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1	033012	1	EPA8260
n-Butylbenzene	ug/L	< 1	033012	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1	033012	1	EPA8260
Dibromochloropropane	ug/L	< 1	033012	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1	033012	1	EPA8260
Hexachlorobutadiene	ug/L	< 1	033012	1	EPA8260
Naphthalene(v)	ug/L	< 1	033012	1	EPA8260
123-Trichlorobenzene	ug/L	< 1	033012	1	EPA8260
ter-ButylMethylEther	ug/L	3	033012	1	EPA8260
p-Ethyltoluene	ug/L	< 1	033012	1	EPA8260
Freon 113	ug/L	< 1	033012	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1	033012	1	EPA8260
Acetone	ug/L	< 10	033012	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10	033012	10	EPA8260
Methylisobutylketone	ug/L	< 10	033012	10	EPA8260
Chlorodifluoromethane	ug/L	< 1	033012	1	EPA8260
p Diethylbenzene	ug/L	< 1	033012	1	EPA8260

cc:Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR 
Thomas Powell

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.121148.05 04/06/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Effluent

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:03/30/12 RECEIVED:03/30/12

TIME COL'D:1100

MATRIX:Water SAMPLE:

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Iron as Fe	mg/L	0.15	040412		0.01	EPA200.7
Manganese as Mn	mg/L	0.1	040412		0.01	EPA200.7
Zinc as Zn	mg/L	0.03	040412		0.01	EPA200.7
Tot Dissolved Solids	mg/L	110	040312		10	S182540C
pH@lab units		7.3	033012 1528		0.1	S184500HB

cc:Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR 
Thomas Powell

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.121148.06 04/06/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Effluent

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:03/30/12 RECEIVED:03/30/12

TIME COL'D:1100

MATRIX:Water SAMPLE: DISSOLVED

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Iron as Fe	mg/L	< 0.01	040412	0.01	EPA200.7
Manganese as Mn	mg/L	0.09	040412	0.01	EPA200.7
Zinc as Zn	mg/L	0.02	040412	0.01	EPA200.7

cc:Wire to Water

LRL=Laboratory Reporting Limit

REMARKS: Sample was filtered by EcoTest Labs.

Thomas Powell
DIRECTOR 

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.121554.01 05/07/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Fairchild Corporation

SOURCE OF SAMPLE:

COLLECTED BY: DScheer DATE COL'D:04/30/12 RECEIVED:04/30/12
TIME COL'D:0830

MATRIX:Water SAMPLE: Influent-1


ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 5	050212		5	EPA8260
Chloromethane	ug/L	< 5	050212		5	EPA8260
Vinyl Chloride	ug/L	35	050212		5	EPA8260
Bromomethane	ug/L	< 5	050212		5	EPA8260
Chloroethane	ug/L	< 5	050212		5	EPA8260
Trichlorofluoromethane	ug/L	< 5	050212		5	EPA8260
1,1 Dichloroethene	ug/L	9	050212		5	EPA8260
Methylene Chloride	ug/L	< 5	050212		5	EPA8260
t-1,2-Dichloroethene	ug/L	< 5	050212		5	EPA8260
1,1 Dichloroethane	ug/L	18	050212		5	EPA8260
2,2-Dichloropropane	ug/L	< 5	050212		5	EPA8260
c-1,2-Dichloroethene	ug/L	440	050212		5	EPA8260
Bromochloromethane	ug/L	< 5	050212		5	EPA8260
Chloroform	ug/L	< 5	050212		5	EPA8260
111 Trichloroethane	ug/L	< 5	050212		5	EPA8260
Carbon Tetrachloride	ug/L	< 5	050212		5	EPA8260
1,1-Dichloropropene	ug/L	< 5	050212		5	EPA8260
Benzene	ug/L	6	050212		5	EPA8260
1,2 Dichloroethane	ug/L	< 5	050212		5	EPA8260
Trichloroethene	ug/L	430	050212		5	EPA8260
1,2 Dichloropropane	ug/L	< 5	050212		5	EPA8260
Dibromomethane	ug/L	< 5	050212		5	EPA8260
Bromodichloromethane	ug/L	< 5	050212		5	EPA8260
c-1,3Dichloropropene	ug/L	< 5	050212		5	EPA8260
Toluene	ug/L	< 5	050212		5	EPA8260

cc:Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR



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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.121554.01

05/07/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Fairchild Corporation

SOURCE OF SAMPLE:

COLLECTED BY: DScheer

DATE COL'D:04/30/12 RECEIVED:04/30/12

TIME COL'D:0830

MATRIX:Water SAMPLE: Influent-1

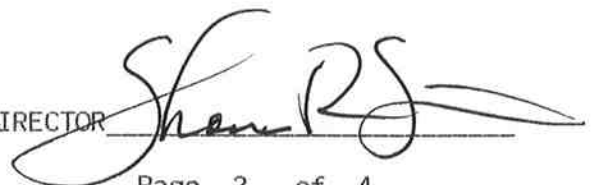
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 5	050212		5	EPA8260
112 Trichloroethane	ug/L	< 5	050212		5	EPA8260
Tetrachloroethene	ug/L	800	050212	D	5	EPA8260
1,3-Dichloropropane	ug/L	< 5	050212		5	EPA8260
Chlorodibromomethane	ug/L	< 5	050212		5	EPA8260
1,2 Dibromoethane	ug/L	< 5	050212		5	EPA8260
Chlorobenzene	ug/L	< 5	050212		5	EPA8260
Ethyl Benzene	ug/L	< 5	050212		5	EPA8260
1112Tetrachloroethane	ug/L	< 5	050212		5	EPA8260
m + p Xylene	ug/L	< 10	050212		10	EPA8260
o Xylene	ug/L	< 5	050212		5	EPA8260
Styrene	ug/L	< 5	050212		5	EPA8260
Bromoform	ug/L	< 5	050212		5	EPA8260
Isopropylbenzene	ug/L	< 5	050212		5	EPA8260
Bromobenzene	ug/L	< 5	050212		5	EPA8260
1122Tetrachloroethane	ug/L	< 5	050212		5	EPA8260
123-Trichloropropane	ug/L	< 5	050212		5	EPA8260
n-Propylbenzene	ug/L	< 5	050212		5	EPA8260
2-Chlorotoluene	ug/L	< 5	050212		5	EPA8260
135-Trimethylbenzene	ug/L	< 5	050212		5	EPA8260
4-Chlorotoluene	ug/L	< 5	050212		5	EPA8260
tert-Butylbenzene	ug/L	< 5	050212		5	EPA8260
124-Trimethylbenzene	ug/L	< 5	050212		5	EPA8260
sec-Butylbenzene	ug/L	< 5	050212		5	EPA8260
p-Isopropyltoluene	ug/L	< 5	050212		5	EPA8260

cc:Wire to Water

LRL=Laboratory Reporting Limit

REMARKS: D: Indicates compound at secondary dilution.

DIRECTOR



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO. 121554.01 05/07/12Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Fairchild Corporation

SOURCE OF SAMPLE:

COLLECTED BY: DScheer

DATE COL'D: 04/30/12 RECEIVED: 04/30/12

TIME COL'D: 0830

MATRIX: Water SAMPLE: Influent-1

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 5	050212		5	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 5	050212		5	EPA8260
n-Butylbenzene	ug/L	< 5	050212		5	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 5	050212		5	EPA8260
Dibromochloropropane	ug/L	< 5	050212		5	EPA8260
124-Trichlorobenzene (v)	ug/L	< 5	050212		5	EPA8260
Hexachlorobutadiene	ug/L	< 5	050212		5	EPA8260
Naphthalene(v)	ug/L	< 5	050212		5	EPA8260
123-Trichlorobenzene	ug/L	< 5	050212		5	EPA8260
ter. ButylMethylEther	ug/L	42	050212		5	EPA8260
p-Ethyltoluene	ug/L	< 5	050212		5	EPA8260
Freon 113	ug/L	20	050212		5	EPA8260
1245 Tetramethylbenz	ug/L	< 5	050212		5	EPA8260
Acetone	ug/L	< 50	050212		50	EPA8260
Methyl Ethyl Ketone	ug/L	< 50	050212		50	EPA8260
Methylisobutylketone	ug/L	< 50	050212		50	EPA8260
Chlorodifluoromethane	ug/L	< 5	050212		5	EPA8260
p Diethylbenzene	ug/L	< 5	050212		5	EPA8260

cc: Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR 

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.121554.01 05/07/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Fairchild Corporation

SOURCE OF SAMPLE:

COLLECTED BY: DScheer DATE COL'D:04/30/12 RECEIVED:04/30/12
TIME COL'D:0830

MATRIX:Water SAMPLE: Influent-1

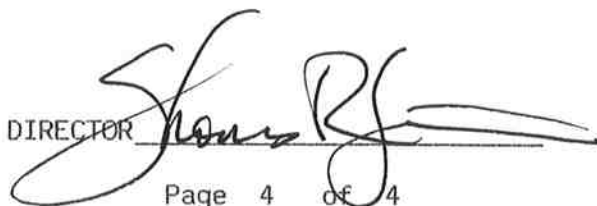
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Iron as Fe	mg/L	0.15	050312		0.01	EPA200.7
Manganese as Mn	mg/L	0.1	050312		0.01	EPA200.7
Zinc as Zn	mg/L	1.4	050312		0.01	EPA200.7
Tot Dissolved Solids	mg/L	130	050112		10	S182540C
pH@lab	units	6.8	043012 1245		0.1	SM184500HB

cc:Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR



ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.121554.02 05/07/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Fairchild Corporation

SOURCE OF SAMPLE:

COLLECTED BY: DScheer DATE COL'D:04/30/12 RECEIVED:04/30/12
TIME COL'D:0830

MATRIX:Water SAMPLE: Influent-1 DISSOLVED

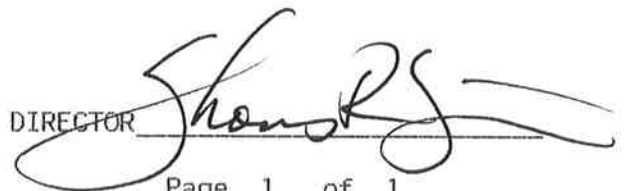
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Iron as Fe	mg/L	0.14	050312	0.01	EPA200.7
Manganese as Mn	mg/L	0.09	050312	0.01	EPA200.7
Zinc as Zn	mg/L	0.13	050312	0.01	EPA200.7

cc:Wire to Water

LRL=Laboratory Reporting Limit

REMARKS: Filtered in the field by client.

DIRECTOR



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.121554.03 05/07/12Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Fairchild Corporation

SOURCE OF SAMPLE:

COLLECTED BY: DScheer

DATE COL'D:04/30/12 RECEIVED:04/30/12

TIME COL'D:0900

MATRIX:Water SAMPLE: Influent-2

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1	050212		1	EPA8260
Chloromethane	ug/L	< 1	050212		1	EPA8260
Vinyl Chloride	ug/L	< 1	050212		1	EPA8260
Bromomethane	ug/L	< 1	050212		1	EPA8260
Chloroethane	ug/L	< 1	050212		1	EPA8260
Trichlorofluoromethane	ug/L	< 1	050212		1	EPA8260
1,1 Dichloroethene	ug/L	< 1	050212		1	EPA8260
Methylene Chloride	ug/L	< 1	050212		1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1	050212		1	EPA8260
1,1 Dichloroethane	ug/L	< 1	050212		1	EPA8260
2,2-Dichloropropane	ug/L	< 1	050212		1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1	050212		1	EPA8260
Bromochloromethane	ug/L	< 1	050212		1	EPA8260
Chloroform	ug/L	< 1	050212		1	EPA8260
111 Trichloroethane	ug/L	< 1	050212		1	EPA8260
Carbon Tetrachloride	ug/L	< 1	050212		1	EPA8260
1,1-Dichloropropene	ug/L	< 1	050212		1	EPA8260
Benzene	ug/L	< 1	050212		1	EPA8260
1,2 Dichloroethane	ug/L	< 1	050212		1	EPA8260
Trichloroethene	ug/L	< 1	050212		1	EPA8260
1,2 Dichloropropane	ug/L	< 1	050212		1	EPA8260
Dibromomethane	ug/L	< 1	050212		1	EPA8260
Bromodichloromethane	ug/L	< 1	050212		1	EPA8260
c-1,3Dichloropropene	ug/L	< 1	050212		1	EPA8260
Toluene	ug/L	< 1	050212		1	EPA8260

cc:Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.121554.03 05/07/12Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Fairchild Corporation

SOURCE OF SAMPLE:

COLLECTED BY: DScheer DATE COL'D:04/30/12 RECEIVED:04/30/12

TIME COL'D:0900

MATRIX:Water SAMPLE: Influent-2

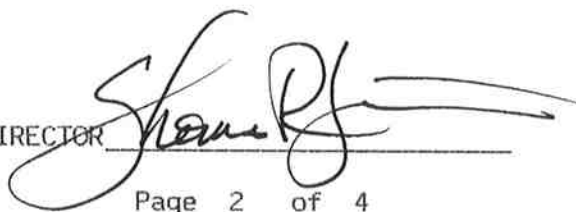
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1	050212		1	EPA8260
112 Trichloroethane	ug/L	< 1	050212		1	EPA8260
Tetrachloroethene	ug/L	< 1	050212		1	EPA8260
1,3-Dichloropropane	ug/L	< 1	050212		1	EPA8260
Chlorodibromomethane	ug/L	< 1	050212		1	EPA8260
1,2 Dibromoethane	ug/L	< 1	050212		1	EPA8260
Chlorobenzene	ug/L	< 1	050212		1	EPA8260
Ethyl Benzene	ug/L	< 1	050212		1	EPA8260
1112Tetrachloroethane	ug/L	< 1	050212		1	EPA8260
m + p Xylene	ug/L	< 2	050212		2	EPA8260
o Xylene	ug/L	< 1	050212		1	EPA8260
Styrene	ug/L	< 1	050212		1	EPA8260
Bromoform	ug/L	< 1	050212		1	EPA8260
Isopropylbenzene	ug/L	< 1	050212		1	EPA8260
Bromobenzene	ug/L	< 1	050212		1	EPA8260
1122Tetrachloroethane	ug/L	< 1	050212		1	EPA8260
123-Trichloropropane	ug/L	< 1	050212		1	EPA8260
n-Propylbenzene	ug/L	< 1	050212		1	EPA8260
2-Chlorotoluene	ug/L	< 1	050212		1	EPA8260
135-Trimethylbenzene	ug/L	< 1	050212		1	EPA8260
4-Chlorotoluene	ug/L	< 1	050212		1	EPA8260
tert-Butylbenzene	ug/L	< 1	050212		1	EPA8260
124-Trimethylbenzene	ug/L	< 1	050212		1	EPA8260
sec-Butylbenzene	ug/L	< 1	050212		1	EPA8260
p-Isopropyltoluene	ug/L	< 1	050212		1	EPA8260

cc:Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR



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LAB NO.121554.03

05/07/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Fairchild Corporation

SOURCE OF SAMPLE:

COLLECTED BY: DScheer

DATE COL'D:04/30/12 RECEIVED:04/30/12

TIME COL'D:0900

MATRIX:Water SAMPLE: Influent-2

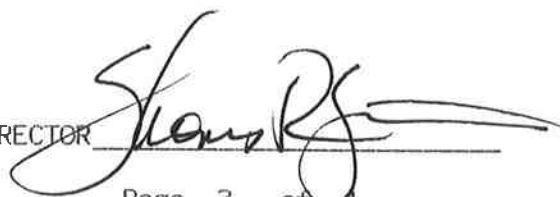
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1	050212		1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1	050212		1	EPA8260
n-Butylbenzene	ug/L	< 1	050212		1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1	050212		1	EPA8260
Dibromochloropropane	ug/L	< 1	050212		1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1	050212		1	EPA8260
Hexachlorobutadiene	ug/L	< 1	050212		1	EPA8260
Naphthalene(v)	ug/L	< 1	050212		1	EPA8260
123-Trichlorobenzene	ug/L	< 1	050212		1	EPA8260
ter. ButylMethylEther	ug/L	13	050212		1	EPA8260
p-Ethyltoluene	ug/L	< 1	050212		1	EPA8260
Freon 113	ug/L	< 1	050212		1	EPA8260
1245 Tetramethylbenz	ug/L	< 1	050212		1	EPA8260
Acetone	ug/L	< 10	050212		10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10	050212		10	EPA8260
Methylisobutylketone	ug/L	< 10	050212		10	EPA8260
Chlorodifluoromethane	ug/L	< 1	050212		1	EPA8260
p Diethylbenzene	ug/L	< 1	050212		1	EPA8260

cc:Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR



ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.121554.03 05/07/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Fairchild Corporation

SOURCE OF SAMPLE:

COLLECTED BY: DScheer DATE COL'D:04/30/12 RECEIVED:04/30/12
TIME COL'D:0900

MATRIX:Water SAMPLE: Influent-2

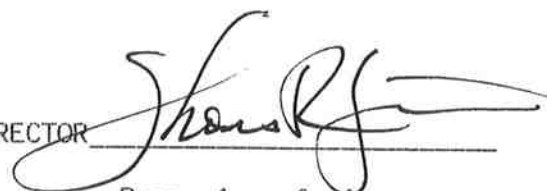
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	ANALYTICAL	
			FLAG OF ANALYSIS	LRL	METHOD
Iron as Fe	mg/L	0.14	050312	0.01	EPA200.7
Manganese as Mn	mg/L	0.09	050312	0.01	EPA200.7
Zinc as Zn	mg/L	0.02	050312	0.01	EPA200.7
Tot Dissolved Solids	mg/L	120	050112	10	S182540C
pH@lab	units	7.5	043012 1248	0.1	SM184500HB

cc:Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR



ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.121554.04 05/07/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Fairchild Corporation

SOURCE OF SAMPLE:

COLLECTED BY: DScheer DATE COL'D:04/30/12 RECEIVED:04/30/12
TIME COL'D:0900

MATRIX:Water SAMPLE: Influent-2 DISSOLVED

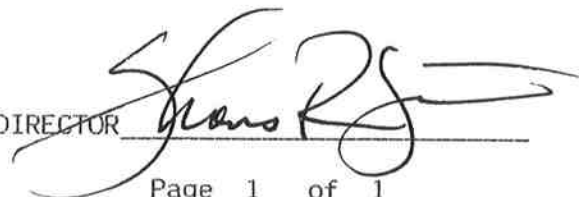
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Iron as Fe	mg/L	0.13	050312	0.01	EPA200.7
Manganese as Mn	mg/L	0.09	050312	0.01	EPA200.7
Zinc as Zn	mg/L	0.02	050312	0.01	EPA200.7

cc:Wire to Water

LRL=Laboratory Reporting Limit

REMARKS: Filtered in the field by client.

DIRECTOR



ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.121554.05 05/07/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Fairchild Corporation

SOURCE OF SAMPLE:

COLLECTED BY: DScheer DATE COL'D:04/30/12 RECEIVED:04/30/12

TIME COL'D:0900

MATRIX:Water SAMPLE: Effluent-1

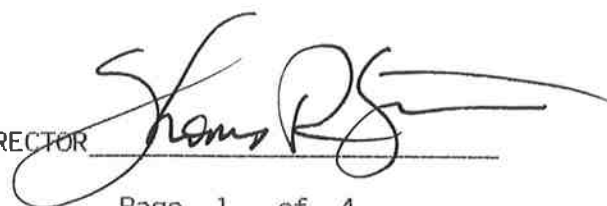
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1	050212		1	EPA8260
Chloromethane	ug/L	< 1	050212		1	EPA8260
Vinyl Chloride	ug/L	< 1	050212		1	EPA8260
Bromomethane	ug/L	< 1	050212		1	EPA8260
Chloroethane	ug/L	< 1	050212		1	EPA8260
Trichlorofluoromethane	ug/L	< 1	050212		1	EPA8260
1,1 Dichloroethene	ug/L	< 1	050212		1	EPA8260
Methylene Chloride	ug/L	< 1	050212		1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1	050212		1	EPA8260
1,1 Dichloroethane	ug/L	< 1	050212		1	EPA8260
2,2-Dichloropropane	ug/L	< 1	050212		1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1	050212		1	EPA8260
Bromochloromethane	ug/L	< 1	050212		1	EPA8260
Chloroform	ug/L	< 1	050212		1	EPA8260
111 Trichloroethane	ug/L	< 1	050212		1	EPA8260
Carbon Tetrachloride	ug/L	< 1	050212		1	EPA8260
1,1-Dichloropropene	ug/L	< 1	050212		1	EPA8260
Benzene	ug/L	< 1	050212		1	EPA8260
1,2 Dichloroethane	ug/L	< 1	050212		1	EPA8260
Trichloroethene	ug/L	< 1	050212		1	EPA8260
1,2 Dichloropropane	ug/L	< 1	050212		1	EPA8260
Dibromomethane	ug/L	< 1	050212		1	EPA8260
Bromodichloromethane	ug/L	< 1	050212		1	EPA8260
c-1,3Dichloropropene	ug/L	< 1	050212		1	EPA8260
Toluene	ug/L	< 1	050212		1	EPA8260

cc:Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.121554.05

05/07/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Fairchild Corporation

SOURCE OF SAMPLE:

COLLECTED BY: DScheer

DATE COL'D:04/30/12 RECEIVED:04/30/12

TIME COL'D:0900

MATRIX:Water

SAMPLE: Effluent-1

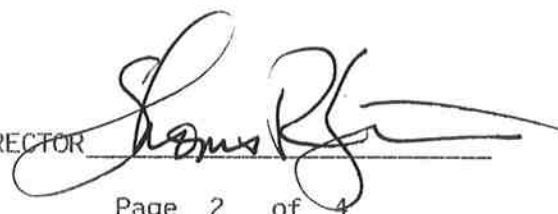
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1	050212		1	EPA8260
112 Trichloroethane	ug/L	< 1	050212		1	EPA8260
Tetrachloroethene	ug/L	< 1	050212		1	EPA8260
1,3-Dichloropropane	ug/L	< 1	050212		1	EPA8260
Chlorodibromomethane	ug/L	< 1	050212		1	EPA8260
1,2 Dibromoethane	ug/L	< 1	050212		1	EPA8260
Chlorobenzene	ug/L	< 1	050212		1	EPA8260
Ethyl Benzene	ug/L	< 1	050212		1	EPA8260
1112Tetrachloroethane	ug/L	< 1	050212		1	EPA8260
m + p Xylene	ug/L	< 2	050212		2	EPA8260
o Xylene	ug/L	< 1	050212		1	EPA8260
Styrene	ug/L	< 1	050212		1	EPA8260
Bromoform	ug/L	< 1	050212		1	EPA8260
Isopropylbenzene	ug/L	< 1	050212		1	EPA8260
Bromobenzene	ug/L	< 1	050212		1	EPA8260
1122Tetrachloroethane	ug/L	< 1	050212		1	EPA8260
123-Trichloropropane	ug/L	< 1	050212		1	EPA8260
n-Propylbenzene	ug/L	< 1	050212		1	EPA8260
2-Chlorotoluene	ug/L	< 1	050212		1	EPA8260
135-Trimethylbenzene	ug/L	< 1	050212		1	EPA8260
4-Chlorotoluene	ug/L	< 1	050212		1	EPA8260
tert-Butylbenzene	ug/L	< 1	050212		1	EPA8260
124-Trimethylbenzene	ug/L	< 1	050212		1	EPA8260
sec-Butylbenzene	ug/L	< 1	050212		1	EPA8260
p-Isopropyltoluene	ug/L	< 1	050212		1	EPA8260

cc:Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.121554.05 05/07/12Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Fairchild Corporation

SOURCE OF SAMPLE:

COLLECTED BY: DScheer DATE COL'D:04/30/12 RECEIVED:04/30/12

TIME COL'D:0900

MATRIX:Water SAMPLE: Effluent-1

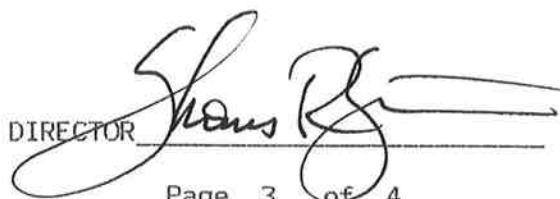
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1	050212		1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1	050212		1	EPA8260
n-Butylbenzene	ug/L	< 1	050212		1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1	050212		1	EPA8260
Dibromochloropropane	ug/L	< 1	050212		1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1	050212		1	EPA8260
Hexachlorobutadiene	ug/L	< 1	050212		1	EPA8260
Naphthalene(v)	ug/L	< 1	050212		1	EPA8260
123-Trichlorobenzene	ug/L	< 1	050212		1	EPA8260
ter. ButylMethylEther	ug/L	8	050212		1	EPA8260
p-Ethyltoluene	ug/L	< 1	050212		1	EPA8260
Freon 113	ug/L	< 1	050212		1	EPA8260
1245 Tetramethylbenz	ug/L	< 1	050212		1	EPA8260
Acetone	ug/L	< 10	050212		10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10	050212		10	EPA8260
Methylisobutylketone	ug/L	< 10	050212		10	EPA8260
Chlorodifluoromethane	ug/L	< 1	050212		1	EPA8260
p Diethylbenzene	ug/L	< 1	050212		1	EPA8260

cc:Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR



ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO. 121554.05 05/07/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Fairchild Corporation

SOURCE OF SAMPLE:

COLLECTED BY: DScheer DATE COL'D: 04/30/12 RECEIVED: 04/30/12
TIME COL'D: 0900

MATRIX: Water SAMPLE: Effluent-1

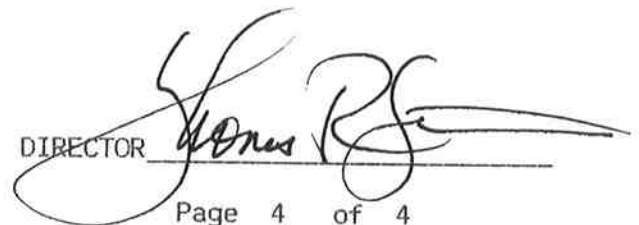
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Iron as Fe	mg/L	0.14	050312		0.01	EPA200.7
Manganese as Mn	mg/L	0.09	050312		0.01	EPA200.7
Zinc as Zn	mg/L	0.03	050312		0.01	EPA200.7
Tot Dissolved Solids	mg/L	130	050112		10	S182540C
pH@lab units		7.5	043012 1250		0.1	SM184500HB

cc: Wire to Water

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR



ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com
LAB NO.121554.06 05/07/12

Fairchild Corporation
1600 Tysons Blvd., Suite 100
McLean, VA 22102

ATTN: Donald Miller

PO#:

SOURCE OF SAMPLE: Fairchild Corporation

SOURCE OF SAMPLE:

COLLECTED BY: DScheer DATE COL'D:04/30/12 RECEIVED:04/30/12

TIME COL'D:0900

MATRIX:Water SAMPLE: Effluent-1 DISSOLVED

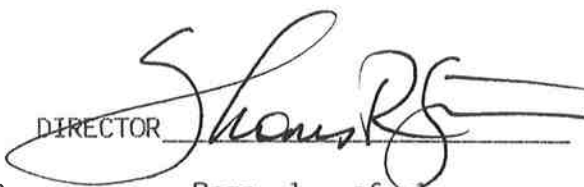
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Iron as Fe	mg/L	0.14	050312		0.01	EPA200.7
Manganese as Mn	mg/L	0.09	050312		0.01	EPA200.7
Zinc as Zn	mg/L	0.02	050312		0.01	EPA200.7

cc:Wire to Water

LRL=Laboratory Reporting Limit

REMARKS: Filtered in the field by client.

DIRECTOR



LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Influent

Fairchild Corporation**1600 Tysons Blvd.****McLean, Virginia 22102****Attn To : Donald Miller****Lab No. : 1207209-001****ClientSample ID. : INFLUENT - 1**

Collected : 7/5/2012 11:00:00 AM

Received : 7/5/2012 11:20:00 AM

Collected By DS99

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Iron	0.15		1	mg/L	E200.7	07/10/2012 9:58 PM
Manganese	0.09		1	mg/L	E200.7	07/10/2012 9:58 PM
Zinc	0.25		1	mg/L	E200.7	07/10/2012 9:58 PM
Iron	0.14		1	mg/L	E200.7	07/10/2012 8:02 PM
Manganese	0.09		1	mg/L	E200.7	07/10/2012 8:02 PM
Zinc	0.19		1	mg/L	E200.7	07/10/2012 8:02 PM
1,1,1-Trichloroethane	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
1,1-Dichloroethane	25		1	µg/L	SW8260B	07/09/2012 8:34 PM
1,1-Dichloroethene	15		1	µg/L	SW8260B	07/09/2012 8:34 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
1,2-Dichloroethene (total)	580	D	10	µg/L	SW8260B	07/11/2012 12:46 AM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
2-Butanone	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
2-Hexanone	< 10	c	1	µg/L	SW8260B	07/09/2012 8:34 PM
4-Methyl-2-pentanone	< 10	c	1	µg/L	SW8260B	07/09/2012 8:34 PM
Acetone	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
Benzene	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
Bromoform	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
Bromomethane	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
Carbon disulfide	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
Carbon tetrachloride	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
Chloroethane	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
Chloroform	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	07/09/2012 8:34 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
Dibromochloromethane	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
Freon-113	32		1	µg/L	SW8260B	07/09/2012 8:34 PM
Methylene chloride	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
Styrene	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
Tetrachloroethene	1,000	D	10	µg/L	SW8260B	07/11/2012 12:46 AM
Toluene	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

c = Calibration acceptability criteria exceeded for this analyte

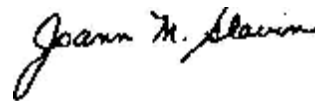
r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound

Date Reported : 7/14/2012



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Influent

Fairchild Corporation**1600 Tysons Blvd.****McLean, Virginia 22102****Attn To : Donald Miller****Lab No. : 1207209-001****Client Sample ID. : INFLUENT - 1**

Collected : 7/5/2012 11:00:00 AM

Received : 7/5/2012 11:20:00 AM

Collected By DS99

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
trans-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
Trichloroethene	530	D	10	µg/L	SW8260B	07/11/2012 12:46 AM
Vinyl chloride	56		1	µg/L	SW8260B	07/09/2012 8:34 PM
Xylene (total)	< 10		1	µg/L	SW8260B	07/09/2012 8:34 PM
Surr: 1,2-Dichloroethane-d4	95.1		1	%REC	53-183 SW8260B	07/09/2012 8:34 PM
Surr: 4-Bromofluorobenzene	102		1	%REC	63-140 SW8260B	07/09/2012 8:34 PM
Surr: Toluene-d8	86.6		1	%REC	60-135 SW8260B	07/09/2012 8:34 PM
pH	5.2	H +	1	pH Units	SM4500-H B	07/05/2012 6:14 PM
pH Temperature	23.8	H +	1	°C	SM4500-H B	07/05/2012 6:14 PM
Total Dissolved Solids	109		1	mg/L	SM2540C	07/11/2012 1:03 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

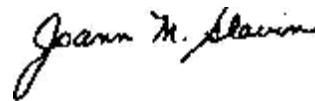
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Influent

Fairchild Corporation**1600 Tysons Blvd.****McLean, Virginia 22102****Attn To : Donald Miller****Lab No. : 1207209-002****ClientSample ID. : INFLUENT - 2**

Collected : 7/5/2012 11:00:00 AM

Received : 7/5/2012 11:20:00 AM

Collected By DS99

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Iron	0.14		1	mg/L	E200.7	07/10/2012 10:03 PM
Manganese	0.09		1	mg/L	E200.7	07/10/2012 10:03 PM
Zinc	0.11		1	mg/L	E200.7	07/10/2012 10:03 PM
Iron	0.02		1	mg/L	E200.7	07/10/2012 8:07 PM
Manganese	0.09		1	mg/L	E200.7	07/10/2012 8:07 PM
Zinc	0.08		1	mg/L	E200.7	07/10/2012 8:07 PM
1,1,1-Trichloroethane	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
1,1-Dichloroethane	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
1,1-Dichloroethene	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
1,2-Dichloroethene (total)	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
2-Butanone	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
2-Hexanone	< 10	c	1	µg/L	SW8260B	07/09/2012 9:03 PM
4-Methyl-2-pentanone	< 10	c	1	µg/L	SW8260B	07/09/2012 9:03 PM
Acetone	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Benzene	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Bromoform	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Bromomethane	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Carbon disulfide	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Carbon tetrachloride	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Chloroethane	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Chloroform	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	07/09/2012 9:03 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Dibromochloromethane	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Freon-113	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Methylene chloride	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Styrene	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Tetrachloroethene	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Toluene	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

c = Calibration acceptability criteria exceeded for this analyte

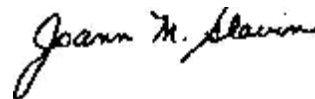
r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound

Date Reported : 7/14/2012



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Influent

Fairchild Corporation**1600 Tysons Blvd.****McLean, Virginia 22102****Attn To : Donald Miller****Lab No. : 1207209-002****Client Sample ID. : INFLUENT - 2**

Collected : 7/5/2012 11:00:00 AM

Received : 7/5/2012 11:20:00 AM

Collected By DS99

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
trans-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Trichloroethene	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Vinyl chloride	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Xylene (total)	< 10		1	µg/L	SW8260B	07/09/2012 9:03 PM
Surr: 1,2-Dichloroethane-d4	99.1		1	%REC	53-183 SW8260B	07/09/2012 9:03 PM
Surr: 4-Bromofluorobenzene	99.8		1	%REC	63-140 SW8260B	07/09/2012 9:03 PM
Surr: Toluene-d8	86.5		1	%REC	60-135 SW8260B	07/09/2012 9:03 PM
pH	6.8	H +	1	pH Units	SM4500-H B	07/05/2012 6:16 PM
pH Temperature	23.9	H +	1	°C	SM4500-H B	07/05/2012 6:16 PM
Total Dissolved Solids	114		1	mg/L	SM2540C	07/11/2012 1:06 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

c = Calibration acceptability criteria exceeded for this analyte

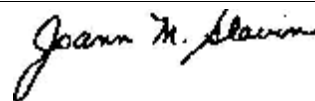
r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound

Date Reported : 7/14/2012



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Effluent

Fairchild Corporation**1600 Tysons Blvd.****McLean, Virginia 22102****Attn To :** Donald Miller**Lab No. : 1207209-003****ClientSample ID. : EFFLUENT - 1**

Collected : 7/5/2012 11:00:00 AM

Received : 7/5/2012 11:20:00 AM

Collected By DS99

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Iron	0.15		1	mg/L	E200.7	07/10/2012 10:07 PM
Manganese	0.09		1	mg/L	E200.7	07/10/2012 10:07 PM
Zinc	0.04		1	mg/L	E200.7	07/10/2012 10:07 PM
Iron	0.03		1	mg/L	E200.7	07/10/2012 8:11 PM
Manganese	0.09		1	mg/L	E200.7	07/10/2012 8:11 PM
Zinc	0.03		1	mg/L	E200.7	07/10/2012 8:11 PM
1,1,1-Trichloroethane	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
1,1-Dichloroethane	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
1,1-Dichloroethene	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
1,2-Dichloroethene (total)	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
2-Butanone	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
2-Hexanone	< 10	c	1	µg/L	SW8260B	07/09/2012 9:32 PM
4-Methyl-2-pentanone	< 10	c	1	µg/L	SW8260B	07/09/2012 9:32 PM
Acetone	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Benzene	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Bromoform	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Bromomethane	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Carbon disulfide	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Carbon tetrachloride	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Chloroethane	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Chloroform	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	07/09/2012 9:32 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Dibromochloromethane	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Freon-113	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Methylene chloride	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Styrene	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Tetrachloroethene	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Toluene	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

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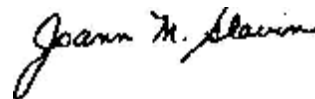
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s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound

Date Reported : 7/14/2012



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Effluent

Fairchild Corporation**1600 Tysons Blvd.****McLean, Virginia 22102****Attn To : Donald Miller****Lab No. : 1207209-003****Client Sample ID. : EFFLUENT - 1**

Collected : 7/5/2012 11:00:00 AM

Received : 7/5/2012 11:20:00 AM

Collected By DS99

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
trans-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Trichloroethene	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Vinyl chloride	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Xylene (total)	< 10		1	µg/L	SW8260B	07/09/2012 9:32 PM
Surr: 1,2-Dichloroethane-d4	102		1	%REC	53-183 SW8260B	07/09/2012 9:32 PM
Surr: 4-Bromofluorobenzene	103		1	%REC	63-140 SW8260B	07/09/2012 9:32 PM
Surr: Toluene-d8	87.0		1	%REC	60-135 SW8260B	07/09/2012 9:32 PM
pH	6.9	H +	1	pH Units	SM4500-H B	07/05/2012 6:18 PM
pH Temperature	23.8	H +	1	°C	SM4500-H B	07/05/2012 6:18 PM
Total Dissolved Solids	106		1	mg/L	SM2540C	07/11/2012 1:09 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

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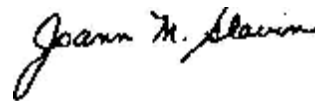
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager



H2M LABS INC
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **FAIR**

Date and Time Received: **7/5/2012 11:20:00 AM**

Work Order Number: **1207209**

RcptNo: **1**

Received by: **Melissa Watson**

Completed by:

Reviewed by:

Completed Date:

7/5/2012

Reviewed Date:

7/6/2012 2:49:52 PM

Carrier name: Client

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☐

No ☐

Are matrices correctly identified on Chain of custody?

Yes ☒

No ☐

Is it clear what analyses were requested?

Yes ☒

No ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Samples in proper container/bottle?

Yes ☒

No ☐

Were correct preservatives used and noted?

Yes ☒

No ☐

Preservative added to bottles:

Sample Condition?

Intact ☒

Broken ☐

Leaking ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

Were container labels complete (ID, Pres, Date)?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Was an attempt made to cool the samples?

Yes ☒

No ☐

All samples received at a temp. of > 0° C to 6.0° C?

Yes ☐

No ☒

Response when temperature is outside of range:

Samples were collected the same day and chilled.

Sample Temp. taken and recorded upon receipt?

Yes ☒

No ☐

To 22°

Water - Were bubbles absent in VOC vials?

Yes ☒

No ☐

No Vials ☐

Water - Was there Chlorine Present?

Yes ☐

No ☐

NA ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

No Water ☐

Are Samples considered acceptable?

Yes ☒

No ☐

Custody Seals present?

Yes ☐

No ☒

Airbill or Sticker?

Air Bill ☐

Sticker ☐

Not Present ☒

Airbill No:

Case Number:

SDG:

SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☒ No

Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Influent

Fairchild Corporation**1600 Tysons Blvd.****McLean, Virginia 22102****Attn To : Donald Miller****Lab No. : 1208240-001****Client Sample ID. : INFLUENT - 1**

Collected : 8/6/2012 2:00:00 PM

Received : 8/6/2012 2:30:00 PM

Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Iron	0.26		1	mg/L	E200.7	08/09/2012 2:15 PM
Manganese	0.10		1	mg/L	E200.7	08/09/2012 2:15 PM
Zinc	0.46		1	mg/L	E200.7	08/09/2012 2:15 PM
Iron	0.17		1	mg/L	E200.7	08/09/2012 2:49 PM
Manganese	0.09		1	mg/L	E200.7	08/09/2012 2:49 PM
Zinc	0.16		1	mg/L	E200.7	08/09/2012 2:49 PM
1,1,1-Trichloroethane	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
1,1-Dichloroethane	33	c	1	µg/L	SW8260B	08/09/2012 7:32 PM
1,1-Dichloroethene	21		1	µg/L	SW8260B	08/09/2012 7:32 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
1,2-Dichloroethene (total)	610	D	10	µg/L	SW8260B	08/14/2012 3:17 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
2-Butanone	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
2-Hexanone	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
4-Methyl-2-pentanone	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
Acetone	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
Benzene	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
Bromoform	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
Bromomethane	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
Carbon disulfide	< 10	c	1	µg/L	SW8260B	08/09/2012 7:32 PM
Carbon tetrachloride	< 10	c	1	µg/L	SW8260B	08/09/2012 7:32 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
Chloroethane	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
Chloroform	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	08/09/2012 7:32 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
Dibromochloromethane	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
Freon-113	41		1	µg/L	SW8260B	08/09/2012 7:32 PM
Methylene chloride	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
Styrene	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
Tetrachloroethene	1,000	D	10	µg/L	SW8260B	08/14/2012 3:17 PM
Toluene	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

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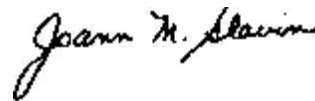
r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound

Date Reported : 8/15/2012



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Influent

Fairchild Corporation**1600 Tysons Blvd.****McLean, Virginia 22102****Attn To : Donald Miller****Lab No. : 1208240-001****Client Sample ID. : INFLUENT - 1**

Collected : 8/6/2012 2:00:00 PM

Received : 8/6/2012 2:30:00 PM

Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
trans-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
Trichloroethene	540	D	10	µg/L	SW8260B	08/14/2012 3:17 PM
Vinyl chloride	64		1	µg/L	SW8260B	08/09/2012 7:32 PM
Xylene (total)	< 10		1	µg/L	SW8260B	08/09/2012 7:32 PM
Surr: 1,2-Dichloroethane-d4	112		1	%REC	53-183 SW8260B	08/09/2012 7:32 PM
Surr: 4-Bromofluorobenzene	122		1	%REC	63-140 SW8260B	08/09/2012 7:32 PM
Surr: Toluene-d8	102		1	%REC	60-135 SW8260B	08/09/2012 7:32 PM
pH	5.1	H +	1	pH Units	SM4500-H B	08/06/2012 8:05 PM
pH Temperature	12.0	H +	1	°C	SM4500-H B	08/06/2012 8:05 PM
Total Dissolved Solids	122		1	mg/L	SM2540C	08/08/2012 1:21 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

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c = Calibration acceptability criteria exceeded for this analyte

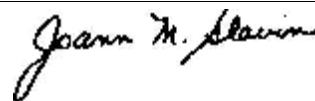
r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound

Date Reported : 8/15/2012



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Influent

Fairchild Corporation**1600 Tysons Blvd.****McLean, Virginia 22102****Attn To : Donald Miller****Lab No. : 1208240-002****Client Sample ID. : INFLUENT - 2**

Collected : 8/6/2012 2:00:00 PM

Received : 8/6/2012 2:30:00 PM

Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Iron	0.17		1	mg/L	E200.7	08/09/2012 2:28 PM
Manganese	0.10		1	mg/L	E200.7	08/09/2012 2:28 PM
Zinc	0.02		1	mg/L	E200.7	08/09/2012 2:28 PM
Iron	0.12		1	mg/L	E200.7	08/09/2012 2:54 PM
Manganese	0.08		1	mg/L	E200.7	08/09/2012 2:54 PM
Zinc	0.03		1	mg/L	E200.7	08/09/2012 2:54 PM
1,1,1-Trichloroethane	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
1,1-Dichloroethane	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
1,1-Dichloroethene	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
1,2-Dichloroethene (total)	< 10	c	1	µg/L	SW8260B	08/09/2012 7:01 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
2-Butanone	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
2-Hexanone	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
4-Methyl-2-pentanone	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Acetone	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Benzene	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Bromoform	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Bromomethane	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Carbon disulfide	< 10	c	1	µg/L	SW8260B	08/09/2012 7:01 PM
Carbon tetrachloride	< 10	c	1	µg/L	SW8260B	08/09/2012 7:01 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Chloroethane	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Chloroform	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	08/09/2012 7:01 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Dibromochloromethane	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Freon-113	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Methylene chloride	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Styrene	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Tetrachloroethene	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Toluene	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

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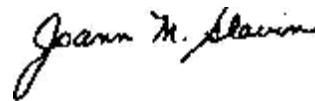
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Influent

Fairchild Corporation**1600 Tysons Blvd.****McLean, Virginia 22102****Attn To : Donald Miller****Lab No. : 1208240-002****Client Sample ID. : INFLUENT - 2**

Collected : 8/6/2012 2:00:00 PM

Received : 8/6/2012 2:30:00 PM

Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
trans-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Trichloroethene	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Vinyl chloride	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Xylene (total)	< 10		1	µg/L	SW8260B	08/09/2012 7:01 PM
Surr: 1,2-Dichloroethane-d4	110		1	%REC	53-183 SW8260B	08/09/2012 7:01 PM
Surr: 4-Bromofluorobenzene	120		1	%REC	63-140 SW8260B	08/09/2012 7:01 PM
Surr: Toluene-d8	100		1	%REC	60-135 SW8260B	08/09/2012 7:01 PM
pH	7.0	H +	1	pH Units	SM4500-H B	08/06/2012 8:09 PM
pH Temperature	11.5	H +	1	°C	SM4500-H B	08/06/2012 8:09 PM
Total Dissolved Solids	123		1	mg/L	SM2540C	08/08/2012 1:24 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

c = Calibration acceptability criteria exceeded for this analyte

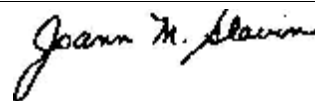
r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound

Date Reported : 8/15/2012



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Effluent

Fairchild Corporation**1600 Tysons Blvd.****McLean, Virginia 22102****Attn To : Donald Miller****Lab No. : 1208240-003****Client Sample ID. : EFFLUENT - 1**

Collected : 8/6/2012 2:00:00 PM

Received : 8/6/2012 2:30:00 PM

Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Iron	0.16		1	mg/L	E200.7	08/09/2012 2:45 PM
Manganese	0.10		1	mg/L	E200.7	08/09/2012 2:45 PM
Zinc	0.04		1	mg/L	E200.7	08/09/2012 2:45 PM
Iron	0.10		1	mg/L	E200.7	08/09/2012 2:58 PM
Manganese	0.08		1	mg/L	E200.7	08/09/2012 2:58 PM
Zinc	0.03		1	mg/L	E200.7	08/09/2012 2:58 PM
1,1,1-Trichloroethane	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
1,1-Dichloroethane	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
1,1-Dichloroethene	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
1,2-Dichloroethene (total)	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
2-Butanone	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
2-Hexanone	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
4-Methyl-2-pentanone	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Acetone	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Benzene	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Bromoform	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Bromomethane	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Carbon disulfide	< 10	c	1	µg/L	SW8260B	08/09/2012 6:31 PM
Carbon tetrachloride	< 10	c	1	µg/L	SW8260B	08/09/2012 6:31 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Chloroethane	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Chloroform	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	08/09/2012 6:31 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Dibromochloromethane	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Freon-113	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Methylene chloride	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Styrene	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Tetrachloroethene	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Toluene	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

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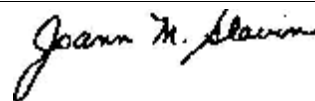
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J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound

Date Reported : 8/15/2012



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Effluent

Fairchild Corporation**1600 Tysons Blvd.****McLean, Virginia 22102****Attn To :** Donald Miller**Lab No. : 1208240-003****Client Sample ID. : EFFLUENT - 1**

Collected : 8/6/2012 2:00:00 PM

Received : 8/6/2012 2:30:00 PM

Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
trans-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Trichloroethene	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Vinyl chloride	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Xylene (total)	< 10		1	µg/L	SW8260B	08/09/2012 6:31 PM
Surr: 1,2-Dichloroethane-d4	109		1	%REC	53-183 SW8260B	08/09/2012 6:31 PM
Surr: 4-Bromofluorobenzene	120		1	%REC	63-140 SW8260B	08/09/2012 6:31 PM
Surr: Toluene-d8	101		1	%REC	60-135 SW8260B	08/09/2012 6:31 PM
pH	7.0	H +	1	pH Units	SM4500-H B	08/06/2012 8:11 PM
pH Temperature	10.9	H +	1	°C	SM4500-H B	08/06/2012 8:11 PM
Total Dissolved Solids	126		1	mg/L	SM2540C	08/08/2012 1:27 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

c = Calibration acceptability criteria exceeded for this analyte

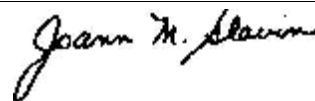
r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound

Date Reported : 8/15/2012



Laboratory Manager



H2M LABS INC
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **FAIR**

Date and Time Received: **8/6/2012 2:30:00 PM**

Work Order Number: **1208240**

RcptNo: **1**

Received by **MelissaWatson**

Completed by:

M. Watson

Reviewed by:

Stu Munnell

Completed Date:

8/6/2012

Reviewed Date:

8/11/2012 5:17:49 PM

Carrier name: Client

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Are matrices correctly identified on Chain of custody?

Yes ☒

No ☐

Is it clear what analyses were requested?

Yes ☒

No ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Samples in proper container/bottle?

Yes ☒

No ☐

Were correct preservatives used and noted?

Yes ☒

No ☐

Preservative added to bottles:

Sample Condition?

Intact ☒

Broken ☐

Leaking ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

Were container labels complete (ID, Pres, Date)?

Yes ☒

No ☐

All samples received within holding time?

Yes ☐

No ☒

Was an attempt made to cool the samples?

Yes ☒

No ☐

All samples received at a temp. of > 0° C to 6.0° C?

Yes ☐

No ☒

Response when temperature is outside of range:

Samples were collected the same day and chilled.

Sample Temp. taken and recorded upon receipt?

Yes ☒

No ☐

To 12.9 °

Water - Were bubbles absent in VOC vials?

Yes ☒

No ☐

No Vials ☐

Water - Was there Chlorine Present?

Yes ☐

No ☐

NA ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

No Water ☐

Are Samples considered acceptable?

Yes ☒

No ☐

Custody Seals present?

Yes ☐

No ☒

Airbill or Sticker?

Air Bil ☐

Sticker ☐

Not Present ☒

Airbill No:

Case Number:

SDG:

SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☒ Yes ☐ No

Person Contacted: **Sampler**

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☒ In Person:

Client Instructions: **Proceed with pH**

Date Contacted: **8/6/2012**

Contacted By: **MelissaWatson**

Regarding: **pH holding time**

Comments:

The samples for pH were received outside the analytical holdtime. The client is aware.

CorrectiveAction:

LABORATORY RESULTS

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 10/19/2012 3:15:00 PM

Received : 10/19/2012 3:20:00 PM

Collected By : WIRE TO WATER

Lab No. : 1210B47-001A
Client Sample ID. INFLUENT - 1**Sample Information...**
Type : Aqueous

Origin: Influent

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
1,1,1-Trichloroethane	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
1,1,2-Trichloroethane	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
1,1-Dichloroethane	22		1	µg/L		SW8260B	10/23/2012 3:12 AM
1,1-Dichloroethene	14		1	µg/L		SW8260B	10/23/2012 3:12 AM
1,2-Dichloroethane	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
1,2-Dichloroethene (total)	590	Dc	10	µg/L		SW8260B	11/01/2012 9:23 PM
1,2-Dichloropropane	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
2-Butanone	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
2-Hexanone	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
4-Methyl-2-pentanone	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
Acetone	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
Benzene	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
Bromodichloromethane	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
Bromoform	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
Bromomethane	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
Carbon disulfide	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
Carbon tetrachloride	< 10	c	1	µg/L		SW8260B	10/23/2012 3:12 AM
Chlorobenzene	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
Chloroethane	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
Chloroform	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
Chloromethane	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
cis-1,3-Dichloropropene	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
Dibromochloromethane	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
Ethylbenzene	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
Freon-113	31	c	1	µg/L		SW8260B	10/23/2012 3:12 AM
Methylene chloride	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
Styrene	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
Tetrachloroethene	930	D	10	µg/L		SW8260B	11/01/2012 9:23 PM
Toluene	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
trans-1,3-Dichloropropene	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
Trichloroethene	480	D	10	µg/L		SW8260B	11/01/2012 9:23 PM
Vinyl chloride	46		1	µg/L		SW8260B	10/23/2012 3:12 AM
Xylene (total)	< 10		1	µg/L		SW8260B	10/23/2012 3:12 AM
Surr: 1,2-Dichloroethane-d4	81.1		1	%REC	53-183	SW8260B	10/23/2012 3:12 AM
Surr: 4-Bromofluorobenzene	106		1	%REC	63-140	SW8260B	10/23/2012 3:12 AM
Surr: Toluene-d8	101		1	%REC	60-135	SW8260B	10/23/2012 3:12 AM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

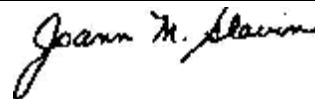
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

575 Broad Hollow Road , Melville, NY

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 10/19/2012 3:15:00 PM

Received : 10/19/2012 3:20:00 PM

Collected By : WIRE TO WATER

Lab No. : 1210B47-001B
Client Sample ID. INFLUENT - 1**Sample Information...**

Type : Aqueous

Origin: Influent

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
pH	7.2	H +	1	pH Units		SM4500-H B	10/19/2012 6:18 PM
pH Temperature	18.8	H +	1	°C		SM4500-H B	10/19/2012 6:18 PM
Total Dissolved Solids	113		1	mg/L		SM2540C	10/23/2012 4:00 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

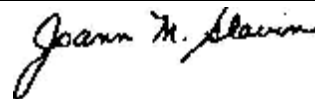
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

Date Reported : 11/5/2012

Page 2 of 13

575 Broad Hollow Road , Melville, NY

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 10/19/2012 3:15:00 PM

Received : 10/19/2012 3:20:00 PM

Collected By : WIRE TO WATER

Lab No. : 1210B47-001C
Client Sample ID. INFLUENT - 1**Sample Information...**

Type : Aqueous

Origin: Influent

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Iron	0.36		1	mg/L		E200.7	10/31/2012 1:38 PM
Manganese	0.10		1	mg/L		E200.7	10/31/2012 1:38 PM
Zinc	0.04		1	mg/L		E200.7	10/31/2012 1:38 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

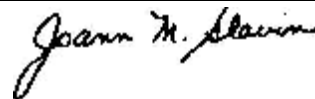
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

Date Reported : 11/5/2012

Page 3 of 13

575 Broad Hollow Road , Melville, NY

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 10/19/2012 3:15:00 PM DISSOLVED

Received : 10/19/2012 3:20:00 PM

Collected By : WIRE TO WATER

Lab No. : 1210B47-001D
Client Sample ID. INFLUENT - 1**Sample Information...**

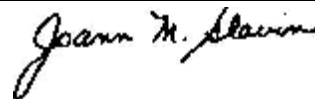
Type : Aqueous

Origin: Influent

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Iron	0.15		1	mg/L		E200.7	10/31/2012 1:41 PM
Manganese	0.09		1	mg/L		E200.7	10/31/2012 1:41 PM
Zinc	0.03		1	mg/L		E200.7	10/31/2012 1:41 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Date Reported : 11/5/2012



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 10/19/2012 3:15:00 PM

Received : 10/19/2012 3:20:00 PM

Collected By : WIRE TO WATER

Lab No. : 1210B47-002A
Client Sample ID. INFLUENT - 2**Sample Information...**
Type : Aqueous

Origin: Influent

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
1,1,1-Trichloroethane	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
1,1,2-Trichloroethane	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
1,1-Dichloroethane	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
1,1-Dichloroethene	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
1,2-Dichloroethane	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
1,2-Dichloroethene (total)	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
1,2-Dichloropropane	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
2-Butanone	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
2-Hexanone	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
4-Methyl-2-pentanone	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Acetone	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Benzene	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Bromodichloromethane	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Bromoform	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Bromomethane	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Carbon disulfide	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Carbon tetrachloride	< 10	c	1	µg/L		SW8260B	10/23/2012 3:42 AM
Chlorobenzene	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Chloroethane	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Chloroform	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Chloromethane	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
cis-1,3-Dichloropropene	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Dibromochloromethane	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Ethylbenzene	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Freon-113	< 10	c	1	µg/L		SW8260B	10/23/2012 3:42 AM
Methylene chloride	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Styrene	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Tetrachloroethene	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Toluene	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
trans-1,3-Dichloropropene	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Trichloroethene	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Vinyl chloride	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Xylene (total)	< 10		1	µg/L		SW8260B	10/23/2012 3:42 AM
Surr: 1,2-Dichloroethane-d4	82.4		1	%REC	53-183	SW8260B	10/23/2012 3:42 AM
Surr: 4-Bromofluorobenzene	106		1	%REC	63-140	SW8260B	10/23/2012 3:42 AM
Surr: Toluene-d8	101		1	%REC	60-135	SW8260B	10/23/2012 3:42 AM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

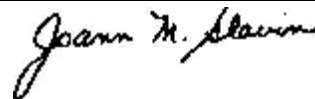
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

575 Broad Hollow Road , Melville, NY

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 10/19/2012 3:15:00 PM

Received : 10/19/2012 3:20:00 PM

Collected By : WIRE TO WATER

Lab No. : 1210B47-002B
Client Sample ID. INFLUENT - 2**Sample Information...**

Type : Aqueous

Origin: Influent

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
pH	5.4	H +	1	pH Units		SM4500-H B	10/19/2012 6:20 PM
pH Temperature	18.5	H +	1	°C		SM4500-H B	10/19/2012 6:20 PM
Total Dissolved Solids	113		1	mg/L		SM2540C	10/23/2012 4:03 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

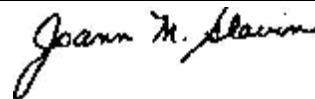
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

Date Reported : 11/5/2012

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575 Broad Hollow Road , Melville, NY

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 10/19/2012 3:15:00 PM

Received : 10/19/2012 3:20:00 PM

Collected By : WIRE TO WATER

Lab No. : 1210B47-002C
Client Sample ID. INFLUENT - 2**Sample Information...**

Type : Aqueous

Origin: Influent

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Iron	0.23		1	mg/L		E200.7	10/31/2012 1:45 PM
Manganese	0.09		1	mg/L		E200.7	10/31/2012 1:45 PM
Zinc	0.10		1	mg/L		E200.7	10/31/2012 1:45 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

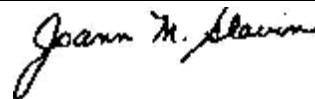
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

Date Reported : 11/5/2012

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575 Broad Hollow Road , Melville, NY

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 10/19/2012 3:15:00 PM DISSOLVED

Received : 10/19/2012 3:20:00 PM

Collected By : WIRE TO WATER

Lab No. : 1210B47-002D
Client Sample ID. INFLUENT - 2**Sample Information...**

Type : Aqueous

Origin: Influent

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Iron	0.25		1	mg/L		E200.7	10/31/2012 1:49 PM
Manganese	0.09		1	mg/L		E200.7	10/31/2012 1:49 PM
Zinc	0.08		1	mg/L		E200.7	10/31/2012 1:49 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

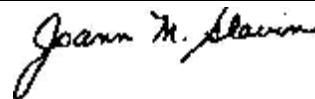
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

Date Reported : 11/5/2012

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LABORATORY RESULTS

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 10/19/2012 3:15:00 PM

Received : 10/19/2012 3:20:00 PM

Collected By : WIRE TO WATER

Lab No. : 1210B47-003A
Client Sample ID. EFFLUENT - 1**Sample Information...**
Type : Aqueous

Origin: Effluent

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
1,1,1-Trichloroethane	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
1,1,2-Trichloroethane	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
1,1-Dichloroethane	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
1,1-Dichloroethene	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
1,2-Dichloroethane	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
1,2-Dichloroethene (total)	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
1,2-Dichloropropane	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
2-Butanone	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
2-Hexanone	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
4-Methyl-2-pentanone	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Acetone	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Benzene	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Bromodichloromethane	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Bromoform	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Bromomethane	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Carbon disulfide	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Carbon tetrachloride	< 10	c	1	µg/L		SW8260B	10/23/2012 4:11 AM
Chlorobenzene	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Chloroethane	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Chloroform	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Chloromethane	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
cis-1,3-Dichloropropene	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Dibromochloromethane	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Ethylbenzene	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Freon-113	< 10	c	1	µg/L		SW8260B	10/23/2012 4:11 AM
Methylene chloride	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Styrene	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Tetrachloroethene	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Toluene	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
trans-1,3-Dichloropropene	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Trichloroethene	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Vinyl chloride	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Xylene (total)	< 10		1	µg/L		SW8260B	10/23/2012 4:11 AM
Surr: 1,2-Dichloroethane-d4	84.5		1	%REC	53-183	SW8260B	10/23/2012 4:11 AM
Surr: 4-Bromofluorobenzene	107		1	%REC	63-140	SW8260B	10/23/2012 4:11 AM
Surr: Toluene-d8	102		1	%REC	60-135	SW8260B	10/23/2012 4:11 AM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

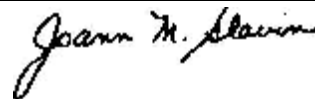
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r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

575 Broad Hollow Road , Melville, NY

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 10/19/2012 3:15:00 PM

Received : 10/19/2012 3:20:00 PM

Collected By : WIRE TO WATER

Lab No. : 1210B47-003B
Client Sample ID. EFFLUENT - 1**Sample Information...**

Type : Aqueous

Origin: Effluent

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
pH	7.2	H +	1	pH Units		SM4500-H B	10/19/2012 6:25 PM
pH Temperature	19.0	H +	1	°C		SM4500-H B	10/19/2012 6:25 PM
Total Dissolved Solids	117		1	mg/L		SM2540C	10/23/2012 4:06 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

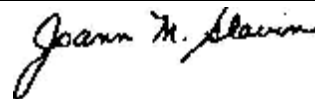
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

Date Reported : 11/5/2012

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575 Broad Hollow Road , Melville, NY

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 10/19/2012 3:15:00 PM

Received : 10/19/2012 3:20:00 PM

Collected By : WIRE TO WATER

Lab No. : 1210B47-003C
Client Sample ID. EFFLUENT - 1**Sample Information...**

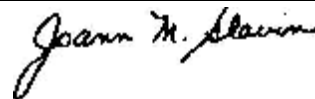
Type : Aqueous

Origin: Effluent

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Iron	0.22		1	mg/L		E200.7	10/31/2012 1:54 PM
Manganese	0.09		1	mg/L		E200.7	10/31/2012 1:54 PM
Zinc	0.09		1	mg/L		E200.7	10/31/2012 1:54 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Date Reported : 11/5/2012



Laboratory Manager

575 Broad Hollow Road , Melville, NY

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 10/19/2012 3:15:00 PM DISSOLVED

Received : 10/19/2012 3:20:00 PM

Collected By : WIRE TO WATER

Lab No. : 1210B47-003D
Client Sample ID. EFFLUENT - 1**Sample Information...**

Type : Aqueous

Origin: Effluent

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Iron	0.17		1	mg/L		E200.7	10/31/2012 1:57 PM
Manganese	0.09		1	mg/L		E200.7	10/31/2012 1:57 PM
Zinc	0.03		1	mg/L		E200.7	10/31/2012 1:57 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

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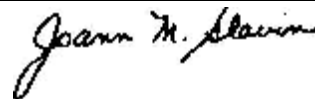
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J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

Date Reported : 11/5/2012

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H2M LABS INC
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **FAIR**

Date and Time Received: **10/19/2012 3:20:00 PM**

Work Order Number: **1210B47**

RcptNo: **1**

Received by **Melissa Watson**

Completed by:

M. Watson

Reviewed by:

Stu Munnell

Completed Date:

10/19/2012

Reviewed Date:

10/25/2012 5:45:04 PM

Carrier name: Client

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Are matrices correctly identified on Chain of custody?

Yes ☒

No ☐

Is it clear what analyses were requested?

Yes ☒

No ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Samples in proper container/bottle?

Yes ☒

No ☐

Were correct preservatives used and noted?

Yes ☒

No ☐

NA ☐

Preservative added to bottles:

Sample Condition?

Intact ☒

Broken ☐

Leaking ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

Were container labels complete (ID, Pres, Date)?

Yes ☒

No ☐

All samples received within holding time?

Yes ☐

No ☒

Was an attempt made to cool the samples?

Yes ☒

No ☐

NA ☐

All samples received at a temp. of > 0° C to 6.0° C?

Yes ☐

No ☒

NA ☐

Response when temperature is outside of range:

Samples were collected the same day and chilled.

Sample Temp. taken and recorded upon receipt?

Yes ☒

No ☐

To 14.6 °

Water - Were bubbles absent in VOC vials?

Yes ☒

No ☐

No Vials ☐

Water - Was there Chlorine Present?

Yes ☐

No ☐

NA ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

No Water ☐

Are Samples considered acceptable?

Yes ☒

No ☐

Custody Seals present?

Yes ☐

No ☒

Airbill or Sticker?

Air Bil ☐

Sticker ☐

Not Present ☒

Airbill No:

Case Number:

SDG:

SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☒ No

Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted:

Contacted By:

Regarding:

Comments:

The samples for pH were received outside the analytical holdtime.

CorrectiveAction:

LABORATORY RESULTS

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 1/17/2013 3:15:00 PM

Received : 1/17/2013 3:35:00 PM

Collected By : WIRE TO WATER

Lab No. : 1301835-001A
Client Sample ID. INFLUENT - 1**Sample Information...**
Type : Aqueous

Origin: Influent

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
1,1,1-Trichloroethane	< 10	c	1	µg/L		SW8260B	01/23/2013 7:29 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
1,1,2-Trichloroethane	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
1,1-Dichloroethane	28		1	µg/L		SW8260B	01/23/2013 7:29 PM
1,1-Dichloroethene	17		1	µg/L		SW8260B	01/23/2013 7:29 PM
1,2-Dichloroethane	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
1,2-Dichloroethene (total)	720	D	10	µg/L		SW8260B	01/30/2013 5:31 PM
1,2-Dichloropropane	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
2-Butanone	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
2-Hexanone	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
4-Methyl-2-pentanone	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
Acetone	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
Benzene	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
Bromodichloromethane	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
Bromoform	< 10	c	1	µg/L		SW8260B	01/23/2013 7:29 PM
Bromomethane	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
Carbon disulfide	< 10	c	1	µg/L		SW8260B	01/23/2013 7:29 PM
Carbon tetrachloride	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
Chlorobenzene	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
Chloroethane	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
Chloroform	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
Chloromethane	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
cis-1,3-Dichloropropene	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
Dibromochloromethane	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
Ethylbenzene	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
Freon-113	41	c	1	µg/L		SW8260B	01/23/2013 7:29 PM
Methylene chloride	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
Styrene	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
Tetrachloroethene	1,100	Dc	10	µg/L		SW8260B	01/30/2013 5:31 PM
Toluene	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
trans-1,3-Dichloropropene	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
Trichloroethene	630	D	10	µg/L		SW8260B	01/30/2013 5:31 PM
Vinyl chloride	75		1	µg/L		SW8260B	01/23/2013 7:29 PM
Xylene (total)	< 10		1	µg/L		SW8260B	01/23/2013 7:29 PM
Surr: 1,2-Dichloroethane-d4	99.7		1	%REC	53-183	SW8260B	01/23/2013 7:29 PM
Surr: 4-Bromofluorobenzene	82.1		1	%REC	63-140	SW8260B	01/23/2013 7:29 PM
Surr: Toluene-d8	87.8		1	%REC	60-135	SW8260B	01/23/2013 7:29 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

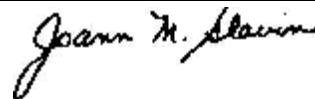
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

575 Broad Hollow Road , Melville, NY

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 1/17/2013 3:15:00 PM

Received : 1/17/2013 3:35:00 PM

Collected By : WIRE TO WATER

Lab No. : 1301835-001B
Client Sample ID. INFLUENT - 1**Sample Information...**

Type : Aqueous

Origin: Influent

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
pH	5.5	H +	1	pH Units		SM4500-H B	01/17/2013 6:45 PM
pH Temperature	19.2	H +	1	°C		SM4500-H B	01/17/2013 6:45 PM
Total Dissolved Solids	131		1	mg/L		SM2540C	01/23/2013 2:24 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

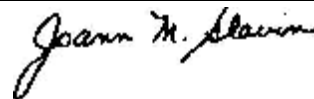
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

Date Reported : 1/31/2013

Page 2 of 13

575 Broad Hollow Road , Melville, NY

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 1/17/2013 3:15:00 PM

Received : 1/17/2013 3:35:00 PM

Collected By : WIRE TO WATER

Lab No. : 1301835-001C
Client Sample ID. INFLUENT - 1**Sample Information...**

Type : Aqueous

Origin: Influent

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Iron	0.21		1	mg/L		E200.7	01/29/2013 3:05 PM
Manganese	0.10		1	mg/L		E200.7	01/29/2013 3:05 PM
Zinc	0.14		1	mg/L		E200.7	01/29/2013 3:05 PM

Qualifiers: E = Value above quantitation range

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D.F. = Dilution Factor D = Results for Dilution

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+ = ELAP / NELAC does not offer certification for this analyte

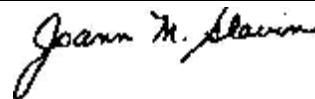
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s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

Date Reported : 1/31/2013

Page 3 of 13

575 Broad Hollow Road , Melville, NY

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 1/17/2013 3:15:00 PM DISSOLVED

Received : 1/17/2013 3:35:00 PM

Collected By : WIRE TO WATER

Lab No. : 1301835-001D
Client Sample ID. INFLUENT - 1**Sample Information...**

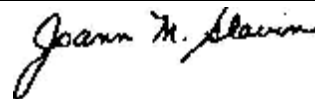
Type : Aqueous

Origin: Influent

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Iron	0.07		1	mg/L		E200.7	01/29/2013 3:09 PM
Manganese	0.10		1	mg/L		E200.7	01/29/2013 3:09 PM
Zinc	0.12		1	mg/L		E200.7	01/29/2013 3:09 PM

Qualifiers: E = Value above quantitation range
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D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
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Date Reported : 1/31/2013



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 1/17/2013 3:25:00 PM

Received : 1/17/2013 3:35:00 PM

Collected By : WIRE TO WATER

Lab No. : 1301835-002A
Client Sample ID. INFLUENT - 2**Sample Information...**
Type : Aqueous

Origin: Influent

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
1,1,1-Trichloroethane	< 10	c	1	µg/L		SW8260B	01/23/2013 7:59 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
1,1,2-Trichloroethane	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
1,1-Dichloroethane	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
1,1-Dichloroethene	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
1,2-Dichloroethane	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
1,2-Dichloroethene (total)	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
1,2-Dichloropropane	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
2-Butanone	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
2-Hexanone	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
4-Methyl-2-pentanone	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
Acetone	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
Benzene	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
Bromodichloromethane	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
Bromoform	< 10	c	1	µg/L		SW8260B	01/23/2013 7:59 PM
Bromomethane	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
Carbon disulfide	< 10	c	1	µg/L		SW8260B	01/23/2013 7:59 PM
Carbon tetrachloride	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
Chlorobenzene	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
Chloroethane	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
Chloroform	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
Chloromethane	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
cis-1,3-Dichloropropene	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
Dibromochloromethane	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
Ethylbenzene	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
Freon-113	< 10	c	1	µg/L		SW8260B	01/23/2013 7:59 PM
Methylene chloride	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
Styrene	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
Tetrachloroethene	< 10	c	1	µg/L		SW8260B	01/23/2013 7:59 PM
Toluene	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
trans-1,3-Dichloropropene	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
Trichloroethene	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
Vinyl chloride	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
Xylene (total)	< 10		1	µg/L		SW8260B	01/23/2013 7:59 PM
Surr: 1,2-Dichloroethane-d4	99.5		1	%REC	53-183	SW8260B	01/23/2013 7:59 PM
Surr: 4-Bromofluorobenzene	82.7		1	%REC	63-140	SW8260B	01/23/2013 7:59 PM
Surr: Toluene-d8	89.5		1	%REC	60-135	SW8260B	01/23/2013 7:59 PM

Qualifiers: E = Value above quantitation range

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D.F. = Dilution Factor D = Results for Dilution

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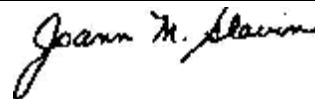
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N = Indicates presumptive evidence of compound



Laboratory Manager

575 Broad Hollow Road , Melville, NY

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 1/17/2013 3:25:00 PM

Received : 1/17/2013 3:35:00 PM

Collected By : WIRE TO WATER

Lab No. : 1301835-002B
Client Sample ID. INFLUENT - 2**Sample Information...**

Type : Aqueous

Origin: Influent

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
pH	7.3	H +	1	pH Units		SM4500-H B	01/17/2013 6:47 PM
pH Temperature	19.4	H +	1	°C		SM4500-H B	01/17/2013 6:47 PM
Total Dissolved Solids	121		1	mg/L		SM2540C	01/23/2013 2:27 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

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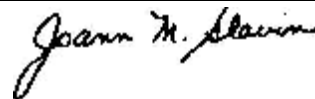
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r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

Date Reported : 1/31/2013

Page 6 of 13

575 Broad Hollow Road , Melville, NY

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 1/17/2013 3:25:00 PM

Received : 1/17/2013 3:35:00 PM

Collected By : WIRE TO WATER

Lab No. : 1301835-002C
Client Sample ID. INFLUENT - 2**Sample Information...**

Type : Aqueous

Origin: Influent

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Iron	0.16		1	mg/L		E200.7	01/29/2013 3:13 PM
Manganese	0.10		1	mg/L		E200.7	01/29/2013 3:13 PM
Zinc	0.03		1	mg/L		E200.7	01/29/2013 3:13 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

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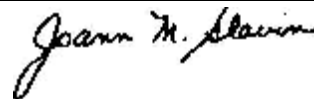
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J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

Date Reported : 1/31/2013

Page 7 of 13

575 Broad Hollow Road , Melville, NY

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 1/17/2013 3:25:00 PM DISSOLVED

Received : 1/17/2013 3:35:00 PM

Collected By : WIRE TO WATER

Lab No. : 1301835-002D
Client Sample ID. INFLUENT - 2**Sample Information...**

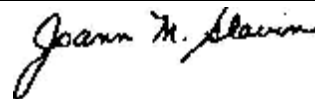
Type : Aqueous

Origin: Influent

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Iron	< 0.02		1	mg/L		E200.7	01/29/2013 3:17 PM
Manganese	0.09		1	mg/L		E200.7	01/29/2013 3:17 PM
Zinc	0.03		1	mg/L		E200.7	01/29/2013 3:17 PM

Qualifiers: E = Value above quantitation range
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J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Date Reported : 1/31/2013



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 1/17/2013 3:00:00 PM

Received : 1/17/2013 3:35:00 PM

Collected By : WIRE TO WATER

Lab No. : 1301835-003A
Client Sample ID. EFFLUENT - 1**Sample Information...**

Type : Aqueous

Origin: Effluent

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
1,1,1-Trichloroethane	< 10	c	1	µg/L		SW8260B	01/23/2013 8:28 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
1,1,2-Trichloroethane	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
1,1-Dichloroethane	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
1,1-Dichloroethene	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
1,2-Dichloroethane	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
1,2-Dichloroethene (total)	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
1,2-Dichloropropane	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
2-Butanone	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
2-Hexanone	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
4-Methyl-2-pentanone	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
Acetone	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
Benzene	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
Bromodichloromethane	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
Bromoform	< 10	c	1	µg/L		SW8260B	01/23/2013 8:28 PM
Bromomethane	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
Carbon disulfide	< 10	c	1	µg/L		SW8260B	01/23/2013 8:28 PM
Carbon tetrachloride	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
Chlorobenzene	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
Chloroethane	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
Chloroform	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
Chloromethane	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
cis-1,3-Dichloropropene	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
Dibromochloromethane	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
Ethylbenzene	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
Freon-113	< 10	c	1	µg/L		SW8260B	01/23/2013 8:28 PM
Methylene chloride	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
Styrene	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
Tetrachloroethene	< 10	c	1	µg/L		SW8260B	01/23/2013 8:28 PM
Toluene	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
trans-1,3-Dichloropropene	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
Trichloroethene	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
Vinyl chloride	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
Xylene (total)	< 10		1	µg/L		SW8260B	01/23/2013 8:28 PM
Surr: 1,2-Dichloroethane-d4	99.4		1	%REC	53-183	SW8260B	01/23/2013 8:28 PM
Surr: 4-Bromofluorobenzene	81.2		1	%REC	63-140	SW8260B	01/23/2013 8:28 PM
Surr: Toluene-d8	90.0		1	%REC	60-135	SW8260B	01/23/2013 8:28 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

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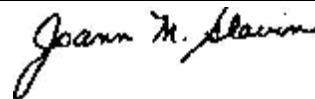
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N = Indicates presumptive evidence of compound



Laboratory Manager

575 Broad Hollow Road , Melville, NY

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 1/17/2013 3:00:00 PM

Received : 1/17/2013 3:35:00 PM

Collected By : WIRE TO WATER

Lab No. : 1301835-003B
Client Sample ID. EFFLUENT - 1**Sample Information...**

Type : Aqueous

Origin: Effluent

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
pH	7.4	H +	1	pH Units		SM4500-H B	01/17/2013 6:49 PM
pH Temperature	19.7	H +	1	°C		SM4500-H B	01/17/2013 6:49 PM
Total Dissolved Solids	119		1	mg/L		SM2540C	01/23/2013 2:30 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

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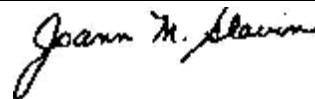
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Laboratory Manager

Date Reported : 1/31/2013

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575 Broad Hollow Road , Melville, NY

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 1/17/2013 3:00:00 PM

Received : 1/17/2013 3:35:00 PM

Collected By : WIRE TO WATER

Lab No. : 1301835-003C
Client Sample ID. EFFLUENT - 1**Sample Information...**

Type : Aqueous

Origin: Effluent

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Iron	0.17		1	mg/L		E200.7	01/29/2013 3:21 PM
Manganese	0.10		1	mg/L		E200.7	01/29/2013 3:21 PM
Zinc	0.04		1	mg/L		E200.7	01/29/2013 3:21 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

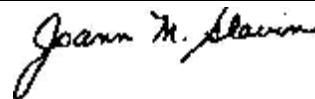
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Laboratory Manager

Date Reported : 1/31/2013

Page 11 of 13

575 Broad Hollow Road , Melville, NY

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

Fairchild Corporation
1600 Tysons Blvd.
McLean, Virginia 22102**Attn To :** Donald Miller

Collected : 1/17/2013 3:00:00 PM DISSOLVED

Received : 1/17/2013 3:35:00 PM

Collected By : WIRE TO WATER

Lab No. : 1301835-003D
Client Sample ID. EFFLUENT - 1**Sample Information...**

Type : Aqueous

Origin: Effluent

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Iron	< 0.02		1	mg/L		E200.7	01/29/2013 3:25 PM
Manganese	0.10		1	mg/L		E200.7	01/29/2013 3:25 PM
Zinc	0.04		1	mg/L		E200.7	01/29/2013 3:25 PM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

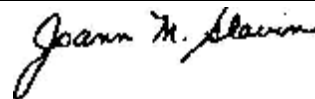
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

Date Reported : 1/31/2013

Page 12 of 13



H2M LABS INC
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **FAIR**

Date and Time Received: **1/17/2013 3:35:00 PM**

Work Order Number: **1301835**

RcptNo: **1**

Received by **Melissa Watson**

Completed by:

Simone Pirelli

Reviewed by:

Joann M. Slavin

Completed Date: 1/17/2013 5:57:12 PM

Reviewed Date: 1/21/2013 2:53:21 PM

Carrier name: Client

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Are matrices correctly identified on Chain of custody?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Is it clear what analyses were requested?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Were correct preservatives used and noted?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
Preservative added to bottles:				
Sample Condition?	Intact <input checked="" type="checkbox"/>	Broken <input type="checkbox"/>	Leaking <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Were container labels complete (ID, Pres, Date)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Was an attempt made to cool the samples?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
All samples received at a temp. of > 0° C to 6.0° C?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	To 0.2 ° <input type="checkbox"/>	
Water - Were bubbles absent in VOC vials?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No Vials <input type="checkbox"/>	
Water - Was there Chlorine Present?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No Water <input type="checkbox"/>	
Are Samples considered acceptable?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Custody Seals present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		
Airbill or Sticker?	Air Bil <input type="checkbox"/>	Sticker <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	

Airbill No:

Case Number:

SDG:

SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☒ No

Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

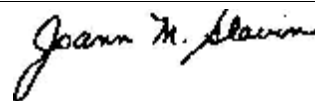
Type : Aqueous

Origin: Influent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-001**
Client Sample ID. : INFLUENT - 1Collected : 2/26/2013 10:55:00 AM DISSOLVED
Received : 2/26/2013 11:35:00 AM
Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Iron	0.38		1	mg/L	E200.7	03/07/2013 12:14 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:14 PM
Zinc	0.10		1	mg/L	E200.7	03/07/2013 12:14 PM
Iron	0.03		1	mg/L	E200.7	03/07/2013 12:18 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:18 PM
Zinc	0.51		1	mg/L	E200.7	03/07/2013 12:18 PM
1,1,1-Trichloroethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,1-Dichloroethane	21		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,1-Dichloroethene	11		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,2-Dichloroethene (total)	540	D	10	µg/L	SW8260B	02/28/2013 3:26 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
2-Butanone	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
2-Hexanone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
4-Methyl-2-pentanone	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Acetone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Benzene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Bromoform	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Bromomethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Carbon disulfide	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Carbon tetrachloride	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Chloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Chloroform	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Dibromochloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Freon-113	29	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Methylene chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Styrene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Tetrachloroethene	930	Dc	10	µg/L	SW8260B	02/28/2013 3:26 PM
Toluene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Influent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-001**
Client Sample ID. : INFLUENT - 1Collected : 2/26/2013 10:55:00 AM DISSOLVED
Received : 2/26/2013 11:35:00 AM
Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
trans-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Trichloroethene	460	Dc	10	µg/L	SW8260B	02/28/2013 3:26 PM
Vinyl chloride	54		1	µg/L	SW8260B	02/28/2013 2:57 PM
Xylene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Surr: 1,2-Dichloroethane-d4	101		1	%REC	53-183 SW8260B	02/28/2013 2:57 PM
Surr: 4-Bromofluorobenzene	92.1		1	%REC	63-140 SW8260B	02/28/2013 2:57 PM
Surr: Toluene-d8	97.6		1	%REC	60-135 SW8260B	02/28/2013 2:57 PM
pH	5.5	H +	1	pH Units	SM4500-H B	02/26/2013 5:34 PM
pH Temperature	19.6	H +	1	°C	SM4500-H B	02/26/2013 5:34 PM
Total Dissolved Solids	106		1	mg/L	SM2540C	03/05/2013 10:39 AM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

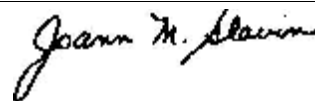
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

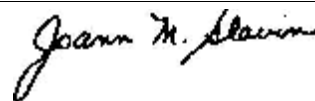
Type : Aqueous

Origin: Influent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-001**
Client Sample ID. : INFLUENT - 1Collected : 2/26/2013 10:55:00 AM
Received : 2/26/2013 11:35:00 AM
Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Iron	0.38		1	mg/L	E200.7	03/07/2013 12:14 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:14 PM
Zinc	0.10		1	mg/L	E200.7	03/07/2013 12:14 PM
Iron	0.03		1	mg/L	E200.7	03/07/2013 12:18 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:18 PM
Zinc	0.51		1	mg/L	E200.7	03/07/2013 12:18 PM
1,1,1-Trichloroethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,1-Dichloroethane	21		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,1-Dichloroethene	11		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,2-Dichloroethene (total)	540	D	10	µg/L	SW8260B	02/28/2013 3:26 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
2-Butanone	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
2-Hexanone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
4-Methyl-2-pentanone	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Acetone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Benzene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Bromoform	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Bromomethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Carbon disulfide	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Carbon tetrachloride	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Chloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Chloroform	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Dibromochloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Freon-113	29	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Methylene chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Styrene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Tetrachloroethene	930	Dc	10	µg/L	SW8260B	02/28/2013 3:26 PM
Toluene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Influent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-001**
Client Sample ID. : INFLUENT - 1

Collected : 2/26/2013 10:55:00 AM

Received : 2/26/2013 11:35:00 AM

Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
trans-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Trichloroethene	460	Dc	10	µg/L	SW8260B	02/28/2013 3:26 PM
Vinyl chloride	54		1	µg/L	SW8260B	02/28/2013 2:57 PM
Xylene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Surr: 1,2-Dichloroethane-d4	101		1	%REC	53-183 SW8260B	02/28/2013 2:57 PM
Surr: 4-Bromofluorobenzene	92.1		1	%REC	63-140 SW8260B	02/28/2013 2:57 PM
Surr: Toluene-d8	97.6		1	%REC	60-135 SW8260B	02/28/2013 2:57 PM
pH	5.5	H +	1	pH Units	SM4500-H B	02/26/2013 5:34 PM
pH Temperature	19.6	H +	1	°C	SM4500-H B	02/26/2013 5:34 PM
Total Dissolved Solids	106		1	mg/L	SM2540C	03/05/2013 10:39 AM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

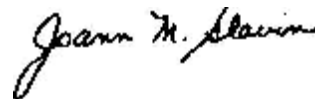
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

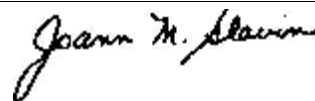
Type : Aqueous

Origin: Influent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-002**
Client Sample ID. : INFLUENT - 2Collected : 2/26/2013 10:45:00 AM DISSOLVED
Received : 2/26/2013 11:35:00 AM
Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Iron	0.14		1	mg/L	E200.7	03/07/2013 12:22 PM
Manganese	0.09		1	mg/L	E200.7	03/07/2013 12:22 PM
Zinc	0.03		1	mg/L	E200.7	03/07/2013 12:22 PM
Iron	0.05		1	mg/L	E200.7	03/07/2013 12:26 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:26 PM
Zinc	0.03		1	mg/L	E200.7	03/07/2013 12:26 PM
1,1,1-Trichloroethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,1-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,1-Dichloroethene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,2-Dichloroethene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
2-Butanone	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
2-Hexanone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
4-Methyl-2-pentanone	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Acetone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Benzene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Bromoform	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Bromomethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Carbon disulfide	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Carbon tetrachloride	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Chloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Chloroform	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Dibromochloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Freon-113	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Methylene chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Styrene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Tetrachloroethene	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Toluene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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N = Indicates presumptive evidence of compound



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Influent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-002**
Client Sample ID. : INFLUENT - 2Collected : 2/26/2013 10:45:00 AM DISSOLVED
Received : 2/26/2013 11:35:00 AM
Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
trans-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Trichloroethene	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Vinyl chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Xylene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Surr: 1,2-Dichloroethane-d4	102		1	%REC	53-183 SW8260B	02/28/2013 2:29 PM
Surr: 4-Bromofluorobenzene	91.8		1	%REC	63-140 SW8260B	02/28/2013 2:29 PM
Surr: Toluene-d8	98.8		1	%REC	60-135 SW8260B	02/28/2013 2:29 PM
pH	7.3	H +	1	pH Units	SM4500-H B	02/26/2013 5:37 PM
pH Temperature	19.6	H +	1	°C	SM4500-H B	02/26/2013 5:37 PM
Total Dissolved Solids	49		1	mg/L	SM2540C	03/05/2013 10:42 AM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

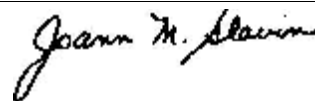
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

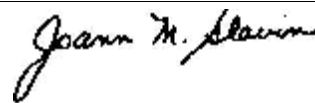
Origin: Influent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-002**
Client Sample ID. : INFLUENT - 2Collected : 2/26/2013 10:45:00 AM
Received : 2/26/2013 11:35:00 AM
Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Iron	0.14		1	mg/L	E200.7	03/07/2013 12:22 PM
Manganese	0.09		1	mg/L	E200.7	03/07/2013 12:22 PM
Zinc	0.03		1	mg/L	E200.7	03/07/2013 12:22 PM
Iron	0.05		1	mg/L	E200.7	03/07/2013 12:26 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:26 PM
Zinc	0.03		1	mg/L	E200.7	03/07/2013 12:26 PM
1,1,1-Trichloroethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,1-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,1-Dichloroethene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,2-Dichloroethene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
2-Butanone	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
2-Hexanone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
4-Methyl-2-pentanone	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Acetone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Benzene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Bromoform	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Bromomethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Carbon disulfide	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Carbon tetrachloride	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Chloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Chloroform	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Dibromochloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Freon-113	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Methylene chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Styrene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Tetrachloroethene	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Toluene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Date Reported : 3/7/2013



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Influent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-002**
Client Sample ID. : INFLUENT - 2

Collected : 2/26/2013 10:45:00 AM

Received : 2/26/2013 11:35:00 AM

Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
trans-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Trichloroethene	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Vinyl chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Xylene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Surr: 1,2-Dichloroethane-d4	102		1	%REC	53-183 SW8260B	02/28/2013 2:29 PM
Surr: 4-Bromofluorobenzene	91.8		1	%REC	63-140 SW8260B	02/28/2013 2:29 PM
Surr: Toluene-d8	98.8		1	%REC	60-135 SW8260B	02/28/2013 2:29 PM
pH	7.3	H +	1	pH Units	SM4500-H B	02/26/2013 5:37 PM
pH Temperature	19.6	H +	1	°C	SM4500-H B	02/26/2013 5:37 PM
Total Dissolved Solids	49		1	mg/L	SM2540C	03/05/2013 10:42 AM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

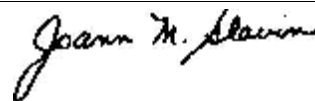
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

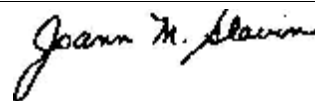
Type : Aqueous

Origin: Effluent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-003**
Client Sample ID : EFFLUENT - 1Collected : 2/26/2013 10:30:00 AM DISSOLVED
Received : 2/26/2013 11:35:00 AM
Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Iron	0.15		1	mg/L	E200.7	03/07/2013 12:41 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:41 PM
Zinc	0.04		1	mg/L	E200.7	03/07/2013 12:41 PM
Iron	< 0.02		1	mg/L	E200.7	03/07/2013 12:45 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:45 PM
Zinc	0.06		1	mg/L	E200.7	03/07/2013 12:45 PM
1,1,1-Trichloroethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,1-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,1-Dichloroethene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,2-Dichloroethene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
2-Butanone	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
2-Hexanone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
4-Methyl-2-pentanone	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Acetone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Benzene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Bromoform	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Bromomethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Carbon disulfide	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Carbon tetrachloride	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Chloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Chloroform	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Dibromochloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Freon-113	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Methylene chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Styrene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Tetrachloroethene	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Toluene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Effluent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-003**
Client Sample ID : EFFLUENT - 1Collected : 2/26/2013 10:30:00 AM DISSOLVED
Received : 2/26/2013 11:35:00 AM
Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
trans-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Trichloroethene	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Vinyl chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Xylene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Surr: 1,2-Dichloroethane-d4	102		1	%REC	53-183 SW8260B	02/28/2013 2:00 PM
Surr: 4-Bromofluorobenzene	91.8		1	%REC	63-140 SW8260B	02/28/2013 2:00 PM
Surr: Toluene-d8	98.4		1	%REC	60-135 SW8260B	02/28/2013 2:00 PM
pH	7.3	H +	1	pH Units	SM4500-H B	02/26/2013 5:40 PM
pH Temperature	19.8	H +	1	°C	SM4500-H B	02/26/2013 5:40 PM
Total Dissolved Solids	115		1	mg/L	SM2540C	03/05/2013 10:45 AM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

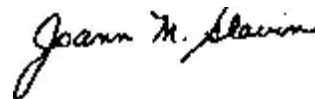
c = Calibration acceptability criteria exceeded for this analyte

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J = Estimated value - below calibration range

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Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

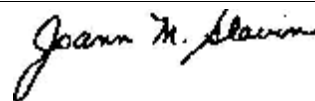
Origin: Effluent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-003**
Client Sample ID. : EFFLUENT - 1Collected : 2/26/2013 10:30:00 AM
Received : 2/26/2013 11:35:00 AM
Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Iron	0.15		1	mg/L	E200.7	03/07/2013 12:41 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:41 PM
Zinc	0.04		1	mg/L	E200.7	03/07/2013 12:41 PM
Iron	< 0.02		1	mg/L	E200.7	03/07/2013 12:45 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:45 PM
Zinc	0.06		1	mg/L	E200.7	03/07/2013 12:45 PM
1,1,1-Trichloroethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,1-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,1-Dichloroethene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,2-Dichloroethene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
2-Butanone	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
2-Hexanone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
4-Methyl-2-pentanone	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Acetone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Benzene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Bromoform	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Bromomethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Carbon disulfide	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Carbon tetrachloride	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Chloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Chloroform	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Dibromochloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Freon-113	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Methylene chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Styrene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Tetrachloroethene	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Toluene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM

Qualifiers: E = Value above quantitation range
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J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Date Reported : 3/7/2013



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Effluent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-003**
Client Sample ID : EFFLUENT - 1

Collected : 2/26/2013 10:30:00 AM

Received : 2/26/2013 11:35:00 AM

Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
trans-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Trichloroethene	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Vinyl chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Xylene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Surr: 1,2-Dichloroethane-d4	102		1	%REC	53-183 SW8260B	02/28/2013 2:00 PM
Surr: 4-Bromofluorobenzene	91.8		1	%REC	63-140 SW8260B	02/28/2013 2:00 PM
Surr: Toluene-d8	98.4		1	%REC	60-135 SW8260B	02/28/2013 2:00 PM
pH	7.3	H +	1	pH Units	SM4500-H B	02/26/2013 5:40 PM
pH Temperature	19.8	H +	1	°C	SM4500-H B	02/26/2013 5:40 PM
Total Dissolved Solids	115		1	mg/L	SM2540C	03/05/2013 10:45 AM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

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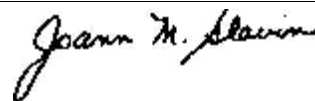
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager



H2M LABS INC
575 Broad Hollow Rd.
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **FAIR**

Date and Time Received: **2/26/2013 11:35:00 AM**

Work Order Number: **1302A92**

RcptNo: **1**

Received by **Lindsay Pacelli**

Completed by:

Reviewed by:

Completed Date: 2/26/2013 5:23:11 PM

Reviewed Date: 2/28/2013 3:21:26 PM

Carrier name: Client

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Are matrices correctly identified on Chain of custody?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Is it clear what analyses were requested?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Were correct preservatives used and noted?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
Preservative added to bottles:				
Sample Condition?	Intact <input checked="" type="checkbox"/>	Broken <input type="checkbox"/>	Leaking <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Were container labels complete (ID, Pres, Date)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Was an attempt made to cool the samples?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
All samples received at a temp. of > 0° C to 6.0° C?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	To 2.3 ° <input type="checkbox"/>	
Water - Were bubbles absent in VOC vials?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No Vials <input type="checkbox"/>	
Water - Was there Chlorine Present?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No Water <input type="checkbox"/>	
Are Samples considered acceptable?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Custody Seals present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		
Airbill or Sticker?	Air Bil <input type="checkbox"/>	Sticker <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	

Airbill No:

Case Number:

SDG:

SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☒ No

Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

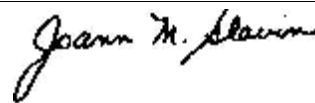
Type : Aqueous

Origin: Influent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-001**
Client Sample ID. : INFLUENT - 1Collected : 2/26/2013 10:55:00 AM DISSOLVED
Received : 2/26/2013 11:35:00 AM
Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Iron	0.38		1	mg/L	E200.7	03/07/2013 12:14 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:14 PM
Zinc	0.10		1	mg/L	E200.7	03/07/2013 12:14 PM
Iron	0.03		1	mg/L	E200.7	03/07/2013 12:18 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:18 PM
Zinc	0.51		1	mg/L	E200.7	03/07/2013 12:18 PM
1,1,1-Trichloroethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,1-Dichloroethane	21		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,1-Dichloroethene	11		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,2-Dichloroethene (total)	540	D	10	µg/L	SW8260B	02/28/2013 3:26 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
2-Butanone	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
2-Hexanone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
4-Methyl-2-pentanone	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Acetone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Benzene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Bromoform	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Bromomethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Carbon disulfide	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Carbon tetrachloride	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Chloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Chloroform	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Dibromochloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Freon-113	29	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Methylene chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Styrene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Tetrachloroethene	930	Dc	10	µg/L	SW8260B	02/28/2013 3:26 PM
Toluene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Influent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-001**
Client Sample ID. : INFLUENT - 1Collected : 2/26/2013 10:55:00 AM DISSOLVED
Received : 2/26/2013 11:35:00 AM
Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
trans-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Trichloroethene	460	Dc	10	µg/L	SW8260B	02/28/2013 3:26 PM
Vinyl chloride	54		1	µg/L	SW8260B	02/28/2013 2:57 PM
Xylene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Surr: 1,2-Dichloroethane-d4	101		1	%REC	53-183 SW8260B	02/28/2013 2:57 PM
Surr: 4-Bromofluorobenzene	92.1		1	%REC	63-140 SW8260B	02/28/2013 2:57 PM
Surr: Toluene-d8	97.6		1	%REC	60-135 SW8260B	02/28/2013 2:57 PM
pH	5.5	H +	1	pH Units	SM4500-H B	02/26/2013 5:34 PM
pH Temperature	19.6	H +	1	°C	SM4500-H B	02/26/2013 5:34 PM
Total Dissolved Solids	106		1	mg/L	SM2540C	03/05/2013 10:39 AM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

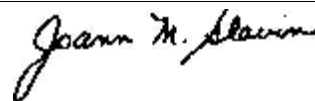
c = Calibration acceptability criteria exceeded for this analyte

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J = Estimated value - below calibration range

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Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

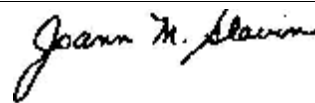
Type : Aqueous

Origin: Influent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-001**
Client Sample ID. : INFLUENT - 1Collected : 2/26/2013 10:55:00 AM
Received : 2/26/2013 11:35:00 AM
Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Iron	0.38		1	mg/L	E200.7	03/07/2013 12:14 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:14 PM
Zinc	0.10		1	mg/L	E200.7	03/07/2013 12:14 PM
Iron	0.03		1	mg/L	E200.7	03/07/2013 12:18 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:18 PM
Zinc	0.51		1	mg/L	E200.7	03/07/2013 12:18 PM
1,1,1-Trichloroethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,1-Dichloroethane	21		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,1-Dichloroethene	11		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
1,2-Dichloroethene (total)	540	D	10	µg/L	SW8260B	02/28/2013 3:26 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
2-Butanone	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
2-Hexanone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
4-Methyl-2-pentanone	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Acetone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Benzene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Bromoform	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Bromomethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Carbon disulfide	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Carbon tetrachloride	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Chloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Chloroform	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Dibromochloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Freon-113	29	c	1	µg/L	SW8260B	02/28/2013 2:57 PM
Methylene chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Styrene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Tetrachloroethene	930	Dc	10	µg/L	SW8260B	02/28/2013 3:26 PM
Toluene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
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J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Influent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-001**
Client Sample ID. : INFLUENT - 1

Collected : 2/26/2013 10:55:00 AM

Received : 2/26/2013 11:35:00 AM

Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
trans-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Trichloroethene	460	Dc	10	µg/L	SW8260B	02/28/2013 3:26 PM
Vinyl chloride	54		1	µg/L	SW8260B	02/28/2013 2:57 PM
Xylene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:57 PM
Surr: 1,2-Dichloroethane-d4	101		1	%REC	53-183 SW8260B	02/28/2013 2:57 PM
Surr: 4-Bromofluorobenzene	92.1		1	%REC	63-140 SW8260B	02/28/2013 2:57 PM
Surr: Toluene-d8	97.6		1	%REC	60-135 SW8260B	02/28/2013 2:57 PM
pH	5.5	H +	1	pH Units	SM4500-H B	02/26/2013 5:34 PM
pH Temperature	19.6	H +	1	°C	SM4500-H B	02/26/2013 5:34 PM
Total Dissolved Solids	106		1	mg/L	SM2540C	03/05/2013 10:39 AM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

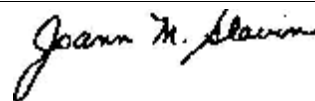
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

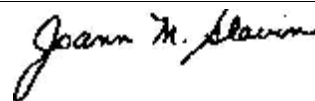
Type : Aqueous

Origin: Influent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-002**
Client Sample ID. : INFLUENT - 2Collected : 2/26/2013 10:45:00 AM DISSOLVED
Received : 2/26/2013 11:35:00 AM
Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Iron	0.14		1	mg/L	E200.7	03/07/2013 12:22 PM
Manganese	0.09		1	mg/L	E200.7	03/07/2013 12:22 PM
Zinc	0.03		1	mg/L	E200.7	03/07/2013 12:22 PM
Iron	0.05		1	mg/L	E200.7	03/07/2013 12:26 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:26 PM
Zinc	0.03		1	mg/L	E200.7	03/07/2013 12:26 PM
1,1,1-Trichloroethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,1-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,1-Dichloroethene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,2-Dichloroethene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
2-Butanone	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
2-Hexanone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
4-Methyl-2-pentanone	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Acetone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Benzene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Bromoform	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Bromomethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Carbon disulfide	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Carbon tetrachloride	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Chloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Chloroform	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Dibromochloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Freon-113	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Methylene chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Styrene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Tetrachloroethene	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Toluene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Influent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-002**
Client Sample ID. : INFLUENT - 2Collected : 2/26/2013 10:45:00 AM DISSOLVED
Received : 2/26/2013 11:35:00 AM
Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
trans-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Trichloroethene	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Vinyl chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Xylene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Surr: 1,2-Dichloroethane-d4	102		1	%REC	53-183 SW8260B	02/28/2013 2:29 PM
Surr: 4-Bromofluorobenzene	91.8		1	%REC	63-140 SW8260B	02/28/2013 2:29 PM
Surr: Toluene-d8	98.8		1	%REC	60-135 SW8260B	02/28/2013 2:29 PM
pH	7.3	H +	1	pH Units	SM4500-H B	02/26/2013 5:37 PM
pH Temperature	19.6	H +	1	°C	SM4500-H B	02/26/2013 5:37 PM
Total Dissolved Solids	49		1	mg/L	SM2540C	03/05/2013 10:42 AM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

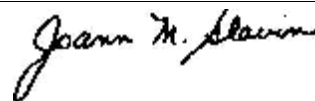
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

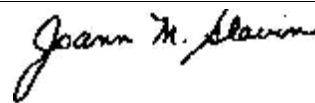
Type : Aqueous

Origin: Influent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-002**
Client Sample ID. : INFLUENT - 2Collected : 2/26/2013 10:45:00 AM
Received : 2/26/2013 11:35:00 AM
Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Iron	0.14		1	mg/L	E200.7	03/07/2013 12:22 PM
Manganese	0.09		1	mg/L	E200.7	03/07/2013 12:22 PM
Zinc	0.03		1	mg/L	E200.7	03/07/2013 12:22 PM
Iron	0.05		1	mg/L	E200.7	03/07/2013 12:26 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:26 PM
Zinc	0.03		1	mg/L	E200.7	03/07/2013 12:26 PM
1,1,1-Trichloroethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,1-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,1-Dichloroethene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,2-Dichloroethene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
2-Butanone	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
2-Hexanone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
4-Methyl-2-pentanone	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Acetone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Benzene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Bromoform	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Bromomethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Carbon disulfide	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Carbon tetrachloride	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Chloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Chloroform	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Dibromochloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Freon-113	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Methylene chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Styrene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Tetrachloroethene	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Toluene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Influent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-002**
Client Sample ID. : INFLUENT - 2

Collected : 2/26/2013 10:45:00 AM

Received : 2/26/2013 11:35:00 AM

Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
trans-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Trichloroethene	< 10	c	1	µg/L	SW8260B	02/28/2013 2:29 PM
Vinyl chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Xylene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:29 PM
Surr: 1,2-Dichloroethane-d4	102		1	%REC	53-183 SW8260B	02/28/2013 2:29 PM
Surr: 4-Bromofluorobenzene	91.8		1	%REC	63-140 SW8260B	02/28/2013 2:29 PM
Surr: Toluene-d8	98.8		1	%REC	60-135 SW8260B	02/28/2013 2:29 PM
pH	7.3	H +	1	pH Units	SM4500-H B	02/26/2013 5:37 PM
pH Temperature	19.6	H +	1	°C	SM4500-H B	02/26/2013 5:37 PM
Total Dissolved Solids	49		1	mg/L	SM2540C	03/05/2013 10:42 AM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

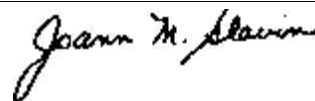
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

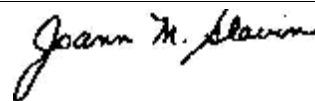
Type : Aqueous

Origin: Effluent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-003**
Client Sample ID. : EFFLUENT - 1Collected : 2/26/2013 10:30:00 AM DISSOLVED
Received : 2/26/2013 11:35:00 AM
Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Iron	0.15		1	mg/L	E200.7	03/07/2013 12:41 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:41 PM
Zinc	0.04		1	mg/L	E200.7	03/07/2013 12:41 PM
Iron	< 0.02		1	mg/L	E200.7	03/07/2013 12:45 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:45 PM
Zinc	0.06		1	mg/L	E200.7	03/07/2013 12:45 PM
1,1,1-Trichloroethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,1-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,1-Dichloroethene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,2-Dichloroethene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
2-Butanone	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
2-Hexanone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
4-Methyl-2-pentanone	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Acetone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Benzene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Bromoform	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Bromomethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Carbon disulfide	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Carbon tetrachloride	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Chloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Chloroform	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Dibromochloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Freon-113	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Methylene chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Styrene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Tetrachloroethene	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Toluene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Effluent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-003**
Client Sample ID. : EFFLUENT - 1Collected : 2/26/2013 10:30:00 AM DISSOLVED
Received : 2/26/2013 11:35:00 AM
Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
trans-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Trichloroethene	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Vinyl chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Xylene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Surr: 1,2-Dichloroethane-d4	102		1	%REC	53-183 SW8260B	02/28/2013 2:00 PM
Surr: 4-Bromofluorobenzene	91.8		1	%REC	63-140 SW8260B	02/28/2013 2:00 PM
Surr: Toluene-d8	98.4		1	%REC	60-135 SW8260B	02/28/2013 2:00 PM
pH	7.3	H +	1	pH Units	SM4500-H B	02/26/2013 5:40 PM
pH Temperature	19.8	H +	1	°C	SM4500-H B	02/26/2013 5:40 PM
Total Dissolved Solids	115		1	mg/L	SM2540C	03/05/2013 10:45 AM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

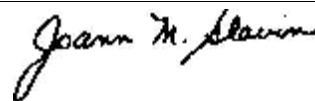
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

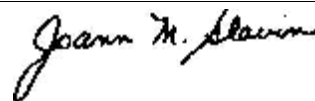
Origin: Effluent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-003**
Client Sample ID. : EFFLUENT - 1Collected : 2/26/2013 10:30:00 AM
Received : 2/26/2013 11:35:00 AM
Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Iron	0.15		1	mg/L	E200.7	03/07/2013 12:41 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:41 PM
Zinc	0.04		1	mg/L	E200.7	03/07/2013 12:41 PM
Iron	< 0.02		1	mg/L	E200.7	03/07/2013 12:45 PM
Manganese	0.10		1	mg/L	E200.7	03/07/2013 12:45 PM
Zinc	0.06		1	mg/L	E200.7	03/07/2013 12:45 PM
1,1,1-Trichloroethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,1-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,1-Dichloroethene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,2-Dichloroethene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
2-Butanone	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
2-Hexanone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
4-Methyl-2-pentanone	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Acetone	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Benzene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Bromoform	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Bromomethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Carbon disulfide	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Carbon tetrachloride	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Chloroethane	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Chloroform	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Dibromochloromethane	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Freon-113	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Methylene chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Styrene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Tetrachloroethene	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Toluene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Date Reported : 3/7/2013



Laboratory Manager

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin: Effluent

Fairchild Corporation
8130 Boone Blvd.
Vienna, Virginia 22118-2640
Attn To : Donald Miller**Lab No. : 1302A92-003**
Client Sample ID. : EFFLUENT - 1

Collected : 2/26/2013 10:30:00 AM

Received : 2/26/2013 11:35:00 AM

Collected By WIRE TO WATER

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
trans-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Trichloroethene	< 10	c	1	µg/L	SW8260B	02/28/2013 2:00 PM
Vinyl chloride	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Xylene (total)	< 10		1	µg/L	SW8260B	02/28/2013 2:00 PM
Surr: 1,2-Dichloroethane-d4	102		1	%REC	53-183 SW8260B	02/28/2013 2:00 PM
Surr: 4-Bromofluorobenzene	91.8		1	%REC	63-140 SW8260B	02/28/2013 2:00 PM
Surr: Toluene-d8	98.4		1	%REC	60-135 SW8260B	02/28/2013 2:00 PM
pH	7.3	H +	1	pH Units	SM4500-H B	02/26/2013 5:40 PM
pH Temperature	19.8	H +	1	°C	SM4500-H B	02/26/2013 5:40 PM
Total Dissolved Solids	115		1	mg/L	SM2540C	03/05/2013 10:45 AM

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

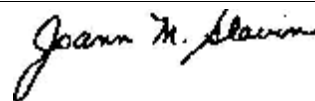
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit below calibration range

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager



H2M LABS INC
575 Broad Hollow Rd.
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **FAIR**

Date and Time Received: **2/26/2013 11:35:00 AM**

Work Order Number: **1302A92**

RcptNo: **1**

Received by **Lindsay Pacelli**

Completed by:

Reviewed by:

Completed Date: 2/26/2013 5:23:11 PM

Reviewed Date: 2/28/2013 3:21:26 PM

Carrier name: Client

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Are matrices correctly identified on Chain of custody?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Is it clear what analyses were requested?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Were correct preservatives used and noted?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
Preservative added to bottles:				
Sample Condition?	Intact <input checked="" type="checkbox"/>	Broken <input type="checkbox"/>	Leaking <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Were container labels complete (ID, Pres, Date)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Was an attempt made to cool the samples?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
All samples received at a temp. of > 0° C to 6.0° C?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	To 2.3 ° <input type="checkbox"/>	
Water - Were bubbles absent in VOC vials?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No Vials <input type="checkbox"/>	
Water - Was there Chlorine Present?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No Water <input type="checkbox"/>	
Are Samples considered acceptable?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Custody Seals present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		
Airbill or Sticker?	Air Bil <input type="checkbox"/>	Sticker <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	

Airbill No:

Case Number:

SDG:

SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☒ No

Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation
8130 Boone Blvd.
Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 4/4/2013 1:30:00 PM

Received : 4/4/2013 3:20:00 PM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Lab No. : 1304343-001A

Client Sample ID: INFLUENT - 1

Origin: Influent

Analytical Method: SW8260B :

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Analyst:</u> KcS <u>Container:</u>
1,1,1-Trichloroethane	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
1,1,2-Trichloroethane	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
1,1-Dichloroethane	21		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
1,1-Dichloroethene	13		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
1,2-Dichloroethane	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
1,2-Dichloroethene (total)	680	D	10	µg/L	04/11/2013 4:07 PM	Container-02 of 02
1,2-Dichloropropane	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
2-Butanone	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
2-Hexanone	< 10	c	1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
4-Methyl-2-pentanone	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
Acetone	< 10	c	1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
Benzene	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
Bromodichloromethane	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
Bromoform	< 10	c	1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
Bromomethane	< 10	c	1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
Carbon disulfide	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
Carbon tetrachloride	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
Chlorobenzene	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
Chloroethane	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
Chloroform	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
Chloromethane	< 10	c	1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
Dibromochloromethane	< 10	c	1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
Ethylbenzene	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
Freon-113	27		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
Methylene chloride	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
Styrene	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
Tetrachloroethene	1,300	D	10	µg/L	04/11/2013 4:07 PM	Container-02 of 02
Toluene	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
Trichloroethene	560	D	10	µg/L	04/11/2013 4:07 PM	Container-02 of 02
Vinyl chloride	61		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02
Xylene (total)	< 10		1	µg/L	04/11/2013 2:42 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

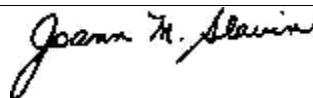
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit > MDL and < LOQ

J = Estimated value - below calibration range

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N = Indicates presumptive evidence of compound



Laboratory Manager

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller

Collected : 4/4/2013 1:30:00 PM

Received : 4/4/2013 3:20:00 PM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Influent

Lab No. : 1304343-001A**Client Sample ID: INFLUENT - 1**Analytical Method: SW8260B :Analyst: KcS

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>		<u>Analyzed:</u>	<u>Container:</u>
Surr: 1,2-Dichloroethane-d4	99.5		1	%REC	Limit 53-183	04/11/2013 2:42 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	92.0		1	%REC	Limit 63-140	04/11/2013 2:42 PM	Container-01 of 02
Surr: Toluene-d8	97.2		1	%REC	Limit 60-135	04/11/2013 2:42 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

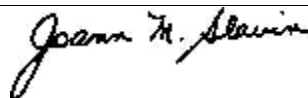
c = Calibration acceptability criteria exceeded for this analyte

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Received : 4/4/2013 3:20:00 PM

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LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Influent

Lab No. : 1304343-001B**Client Sample ID: INFLUENT - 1**

<u>Analytical Method:</u> SM4500-H B : IOC						<u>Analyst:</u> BJV
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
pH	5.9	H +	1	pH Units	04/04/2013 4:34 PM	Container-01 of 01
pH Temperature	15.1	H +	1	°C	04/04/2013 4:34 PM	Container-01 of 01
<u>Analytical Method:</u> SM2540C : IOC						<u>Analyst:</u> MM
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Total Dissolved Solids	109		1	mg/L	04/11/2013 10:51 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

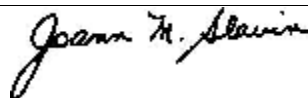
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LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Influent

Lab No. : 1304343-001C**Client Sample ID: INFLUENT - 1**

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 4/11/2013 12:00:00 PM		<u>Analyst:</u> CM
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	0.94		1	mg/L	04/15/2013 10:46 AM	Container-01 of 01
Manganese	0.11		1	mg/L	04/15/2013 10:46 AM	Container-01 of 01
Zinc	0.07		1	mg/L	04/15/2013 10:46 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range

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D.F. = Dilution Factor D = Results for Dilution

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+ = ELAP / NELAC does not offer certification for this analyte

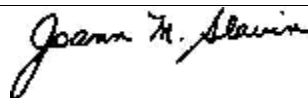
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Collected : 4/4/2013 1:30:00 PM

Received : 4/4/2013 3:20:00 PM

Collected By WIRE TO WATER

DISSOLVED

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Influent

Lab No. : 1304343-001D**Client Sample ID: INFLUENT - 1**

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 4/11/2013 12:00:00 PM		<u>Analyst:</u> CM
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	< 0.02		1	mg/L	04/15/2013 10:50 AM	Container-01 of 01
Manganese	0.11		1	mg/L	04/15/2013 10:50 AM	Container-01 of 01
Zinc	0.09		1	mg/L	04/15/2013 10:50 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

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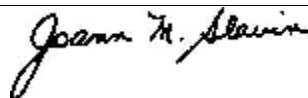
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J = Estimated value - below calibration range

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Laboratory Manager

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NYSDOH ID#10478

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8130 Boone Blvd.
Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 4/4/2013 1:45:00 PM

Received : 4/4/2013 3:20:00 PM

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LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Lab No. : 1304343-002A

Client Sample ID: INFLUENT - 2

Origin: Influent

Analytical Method: SW8260B :

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Analyst:</u> KcS <u>Container:</u>
1,1,1-Trichloroethane	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
1,1,2-Trichloroethane	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
1,1-Dichloroethane	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
1,1-Dichloroethene	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
1,2-Dichloroethane	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
1,2-Dichloropropane	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
2-Butanone	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
2-Hexanone	< 10	c	1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
4-Methyl-2-pentanone	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Acetone	< 10	c	1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Benzene	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Bromodichloromethane	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Bromoform	< 10	c	1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Bromomethane	< 10	c	1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Carbon disulfide	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Carbon tetrachloride	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Chlorobenzene	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Chloroethane	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Chloroform	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Chloromethane	< 10	c	1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Dibromochloromethane	< 10	c	1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Ethylbenzene	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Freon-113	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Methylene chloride	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Styrene	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Tetrachloroethene	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Toluene	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Trichloroethene	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Vinyl chloride	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02
Xylene (total)	< 10		1	µg/L	04/11/2013 2:13 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

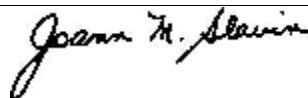
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Laboratory Manager

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 22118-2640****Attn To :** Donald Miller

Collected : 4/4/2013 1:45:00 PM

Received : 4/4/2013 3:20:00 PM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Influent

Lab No. : 1304343-002A**Client Sample ID: INFLUENT - 2**Analytical Method: SW8260B :Analyst: KcS

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>		<u>Analyzed:</u>	<u>Container:</u>
Surr: 1,2-Dichloroethane-d4	101		1	%REC	Limit 53-183	04/11/2013 2:13 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	91.7		1	%REC	Limit 63-140	04/11/2013 2:13 PM	Container-01 of 02
Surr: Toluene-d8	98.1		1	%REC	Limit 60-135	04/11/2013 2:13 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range

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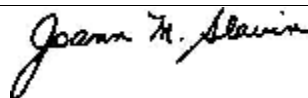
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Collected : 4/4/2013 1:45:00 PM

Received : 4/4/2013 3:20:00 PM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Influent

Lab No. : 1304343-002B**Client Sample ID: INFLUENT - 2**

<u>Analytical Method:</u> SM4500-H B : IOC					<u>Analyst:</u> BJV	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
pH	6.9	H +	1	pH Units	04/04/2013 4:38 PM	Container-01 of 01
pH Temperature	15.5	H +	1	°C	04/04/2013 4:38 PM	Container-01 of 01
<u>Analytical Method:</u> SM2540C : IOC					<u>Analyst:</u> MM	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Total Dissolved Solids	111		1	mg/L	04/11/2013 10:54 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

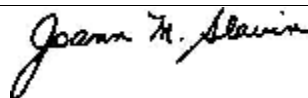
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Collected : 4/4/2013 1:45:00 PM

Received : 4/4/2013 3:20:00 PM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Influent

Lab No. : 1304343-002C**Client Sample ID: INFLUENT - 2**

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 4/11/2013 12:00:00 PM		<u>Analyst:</u> CM
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	1.28		1	mg/L	04/15/2013 10:54 AM	Container-01 of 01
Manganese	0.11		1	mg/L	04/15/2013 10:54 AM	Container-01 of 01
Zinc	0.03		1	mg/L	04/15/2013 10:54 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range

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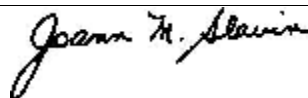
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Collected : 4/4/2013 1:45:00 PM

Received : 4/4/2013 3:20:00 PM

Collected By WIRE TO WATER

DISSOLVED

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Influent

Lab No. : 1304343-002D**Client Sample ID: INFLUENT - 2**

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 4/11/2013 12:00:00 PM		<u>Analyst:</u> CM
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	< 0.02		1	mg/L	04/15/2013 10:58 AM	Container-01 of 01
Manganese	0.11		1	mg/L	04/15/2013 10:58 AM	Container-01 of 01
Zinc	0.03		1	mg/L	04/15/2013 10:58 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

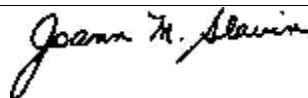
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NYSDOH ID#10478

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Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 4/4/2013 2:00:00 PM

Received : 4/4/2013 3:20:00 PM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Effluent

Lab No. : 1304343-003A

Client Sample ID: EFFLUENT - 1

Analytical Method: SW8260B :

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Analyst:</u> KcS <u>Container:</u>
1,1,1-Trichloroethane	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
1,1,2-Trichloroethane	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
1,1-Dichloroethane	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
1,1-Dichloroethene	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
1,2-Dichloroethane	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
1,2-Dichloropropane	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
2-Butanone	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
2-Hexanone	< 10	c	1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
4-Methyl-2-pentanone	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Acetone	< 10	c	1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Benzene	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Bromodichloromethane	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Bromoform	< 10	c	1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Bromomethane	< 10	c	1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Carbon disulfide	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Carbon tetrachloride	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Chlorobenzene	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Chloroethane	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Chloroform	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Chloromethane	< 10	c	1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Dibromochloromethane	< 10	c	1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Ethylbenzene	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Freon-113	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Methylene chloride	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Styrene	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Tetrachloroethene	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Toluene	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Trichloroethene	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Vinyl chloride	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02
Xylene (total)	< 10		1	µg/L	04/11/2013 1:44 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

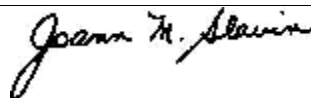
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit > MDL and < LOQ

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

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575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller

Collected : 4/4/2013 2:00:00 PM

Received : 4/4/2013 3:20:00 PM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Effluent

Lab No. : 1304343-003A**Client Sample ID: EFFLUENT - 1**Analytical Method: SW8260B :Analyst: KcS

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>		<u>Analyzed:</u>	<u>Container:</u>
Surr: 1,2-Dichloroethane-d4	98.7		1	%REC	Limit 53-183	04/11/2013 1:44 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	91.8		1	%REC	Limit 63-140	04/11/2013 1:44 PM	Container-01 of 02
Surr: Toluene-d8	98.5		1	%REC	Limit 60-135	04/11/2013 1:44 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

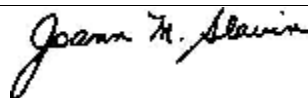
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit > MDL and < LOQ

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

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NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 22118-2640****Attn To :** Donald Miller

Collected : 4/4/2013 2:00:00 PM

Received : 4/4/2013 3:20:00 PM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

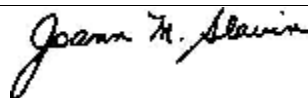
Type : Aqueous

Origin: Effluent

Lab No. : 1304343-003B**Client Sample ID: EFFLUENT - 1**

<u>Analytical Method:</u> SM4500-H B : IOC					<u>Analyst:</u> BJV	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
pH	6.9	H +	1	pH Units	04/04/2013 4:39 PM	Container-01 of 01
pH Temperature	15.0	H +	1	°C	04/04/2013 4:39 PM	Container-01 of 01
<u>Analytical Method:</u> SM2540C : IOC					<u>Analyst:</u> MM	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Total Dissolved Solids	98		1	mg/L	04/11/2013 10:57 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

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NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 22118-2640****Attn To :** Donald Miller

Collected : 4/4/2013 2:00:00 PM

Received : 4/4/2013 3:20:00 PM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Effluent

Lab No. : 1304343-003C**Client Sample ID: EFFLUENT - 1**

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 4/11/2013 12:00:00 PM		<u>Analyst:</u> CM
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	3.33		1	mg/L	04/15/2013 11:02 AM	Container-01 of 01
Manganese	0.12		1	mg/L	04/15/2013 11:02 AM	Container-01 of 01
Zinc	0.03		1	mg/L	04/15/2013 11:02 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

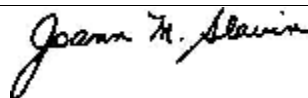
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit > MDL and < LOQ

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

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575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 22118-2640****Attn To :** Donald Miller

Collected : 4/4/2013 2:00:00 PM

Received : 4/4/2013 3:20:00 PM

Collected By WIRE TO WATER

DISSOLVED

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Effluent

Lab No. : 1304343-003D**Client Sample ID: EFFLUENT - 1**

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 4/11/2013 12:00:00 PM		<u>Analyst:</u> CM
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	< 0.02		1	mg/L	04/15/2013 11:06 AM	Container-01 of 01
Manganese	0.12		1	mg/L	04/15/2013 11:06 AM	Container-01 of 01
Zinc	< 0.02		1	mg/L	04/15/2013 11:06 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

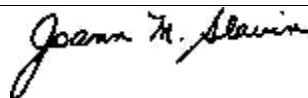
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit > MDL and < LOQ

J = Estimated value - below calibration range

s = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

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H2M LABS INC
575 Broad Hollow Rd.
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **FAIR**

Date and Time Received: **4/4/2013 3:20:00 PM**

Work Order Number: **1304343**

RcptNo: **1**

Received by: **Lindsay Pacelli**

Completed by:

Reviewed by:

Completed Date: 4/4/2013 3:38:58 PM

Reviewed Date: 4/8/2013 3:02:59 PM

Carrier name: Client

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Are matrices correctly identified on Chain of custody?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Is it clear what analyses were requested?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present	<input checked="" type="checkbox"/>
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Were correct preservatives used and noted?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA	<input type="checkbox"/>
Preservative added to bottles:				
Sample Condition?	Intact <input checked="" type="checkbox"/>	Broken <input type="checkbox"/>	Leaking	<input type="checkbox"/>
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Were container labels complete (ID, Pres, Date)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Was an attempt made to cool the samples?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA	<input type="checkbox"/>
All samples received at a temp. of > 0° C to 6.0° C?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA	<input type="checkbox"/>
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	To 1.8 °	
Water - Were bubbles absent in VOC vials?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No Vials	<input type="checkbox"/>
Water - Was there Chlorine Present?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA	<input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No Water	<input type="checkbox"/>
Are Samples considered acceptable?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Custody Seals present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		
Airbill or Sticker?	Air Bil <input type="checkbox"/>	Sticker <input type="checkbox"/>	Not Present	<input checked="" type="checkbox"/>

Airbill No:

Case Number:

SDG:

SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☒ No

Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

Melville, NY 11747

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Influent

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 22118-2640****Attn To :** Donald Miller**Lab No. : 1308268-001A****Client Sample ID: INFLUENT - 1**

Collected : 8/6/2013 2:30:00 PM

Received : 8/6/2013 3:00:00 PM

Collected By WIRE TO WATER

Analytical Method: SW8260B :		Prep Method: 5030B		Analyst: KG	
Parameter(s)	Results	Qualifier	D.F.	Units	Container:
1,1,1-Trichloroethane	< 10	D	10	µg/L	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 10	D	10	µg/L	Container-01 of 02
1,1,2-Trichloroethane	< 10	D	10	µg/L	Container-01 of 02
1,1-Dichloroethane	17	D	10	µg/L	Container-01 of 02
1,1-Dichloroethene	< 10	D	10	µg/L	Container-01 of 02
1,2-Dichloroethane	< 10	D	10	µg/L	Container-01 of 02
1,2-Dichloroethene (total)	440	D	10	µg/L	Container-01 of 02
1,2-Dichloropropane	< 10	D	10	µg/L	Container-01 of 02
2-Butanone	< 10	D	10	µg/L	Container-01 of 02
2-Hexanone	< 10	D	10	µg/L	Container-01 of 02
4-Methyl-2-pentanone	< 10	D	10	µg/L	Container-01 of 02
Acetone	< 10	D	10	µg/L	Container-01 of 02
Benzene	< 10	D	10	µg/L	Container-01 of 02
Bromodichloromethane	< 10	D	10	µg/L	Container-01 of 02
Bromoform	< 10	D	10	µg/L	Container-01 of 02
Bromomethane	< 10	D	10	µg/L	Container-01 of 02
Carbon disulfide	< 10	D	10	µg/L	Container-01 of 02
Carbon tetrachloride	< 10	D	10	µg/L	Container-01 of 02
Chlorobenzene	< 10	D	10	µg/L	Container-01 of 02
Chloroethane	< 10	D	10	µg/L	Container-01 of 02
Chloroform	< 10	D	10	µg/L	Container-01 of 02
Chloromethane	< 10	Dc	10	µg/L	Container-01 of 02
cis-1,3-Dichloropropene	< 10	D	10	µg/L	Container-01 of 02
Dibromochloromethane	< 10	D	10	µg/L	Container-01 of 02
Ethylbenzene	< 10	D	10	µg/L	Container-01 of 02
Freon-113	21	D	10	µg/L	Container-01 of 02
Methylene chloride	< 10	D	10	µg/L	Container-01 of 02
Styrene	< 10	D	10	µg/L	Container-01 of 02
Tetrachloroethene	690	D	10	µg/L	Container-01 of 02
Toluene	< 10	D	10	µg/L	Container-01 of 02
trans-1,3-Dichloropropene	< 10	D	10	µg/L	Container-01 of 02
Trichloroethene	370	D	10	µg/L	Container-01 of 02
Vinyl chloride	37	D	10	µg/L	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

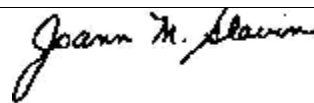
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit > MDL and < LOQ, Value estimated.

J = Estimated value - below calibration range

S = Recovery exceeded control limits for this analyte

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Laboratory Manager

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Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller

Collected : 8/6/2013 2:30:00 PM

Received : 8/6/2013 3:00:00 PM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

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Sample Information:

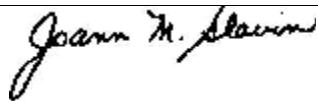
Type : Aqueous

Origin: Influent

Lab No. : 1308268-001A**Client Sample ID: INFLUENT - 1**

<u>Analytical Method:</u> SW8260B :		<u>Prep Method:</u> 5030B		<u>Analyst:</u> KG				
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>			<u>Analyzed:</u>	<u>Container:</u>
Xylene (total)	< 10	D	10	µg/L			08/12/2013 6:37 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	86.3	D	10	%REC	Limit	53-183	08/12/2013 6:37 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	91.7	D	10	%REC	Limit	63-140	08/12/2013 6:37 PM	Container-01 of 02
Surr: Toluene-d8	77.3	D	10	%REC	Limit	60-135	08/12/2013 6:37 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
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NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Influent

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller

Collected : 8/6/2013 2:30:00 PM

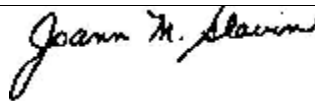
Received : 8/6/2013 3:00:00 PM

Collected By WIRE TO WATER

Lab No. : 1308268-001B**Client Sample ID: INFLUENT - 1**

<u>Analytical Method:</u> SM4500-H B : IOC					<u>Analyst:</u> JL	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
pH	5.3	H	+	1	08/06/2013 7:52 PM	Container-01 of 01
pH Temperature	19.8	H	+	1	08/06/2013 7:52 PM	Container-01 of 01
<u>Analytical Method:</u> SM2540C : IOC					<u>Analyst:</u> MLM	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Total Dissolved Solids	115			1 mg/L	08/08/2013 3:21 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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Laboratory Manager

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Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Influent

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller

Collected : 8/6/2013 2:30:00 PM

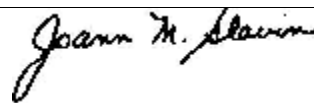
Received : 8/6/2013 3:00:00 PM

Collected By WIRE TO WATER

Lab No. : 1308268-001C**Client Sample ID: INFLUENT - 1**

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 8/7/2013 9:00:00 AM		<u>Analyst:</u> ABA
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	0.20		1	mg/L	08/08/2013 3:14 PM	Container-01 of 01
Manganese	0.10		1	mg/L	08/08/2013 3:14 PM	Container-01 of 01
Zinc	0.07		1	mg/L	08/08/2013 3:14 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

Test results meet the requirements of NELAC
unless otherwise noted.

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Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Influent

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller**Lab No. : 1308268-001D****Client Sample ID: INFLUENT - 1**

Collected : 8/6/2013 2:30:00 PM

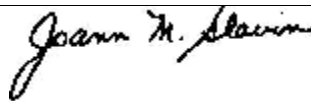
Received : 8/6/2013 3:00:00 PM

Collected By WIRE TO WATER

DISSOLVED

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 8/12/2013 9:28:00 AM		<u>Analyst:</u> ABA
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	0.11		1	mg/L	08/12/2013 3:41 PM	Container-01 of 01
Manganese	0.09		1	mg/L	08/12/2013 3:41 PM	Container-01 of 01
Zinc	0.11		1	mg/L	08/12/2013 3:41 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

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Melville, NY 11747

TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478**LABORATORY RESULTS**

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Influent

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 22118-2640****Attn To :** Donald Miller**Lab No. : 1308268-002A****Client Sample ID: INFLUENT - 2**

Collected : 8/6/2013 2:45:00 PM

Received : 8/6/2013 3:00:00 PM

Collected By WIRE TO WATER

<u>Analytical Method:</u>	SW8260B :	<u>Prep Method:</u>	5030B		<u>Analyst:</u>	KG
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
1,1,1-Trichloroethane	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
1,1,2-Trichloroethane	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
1,1-Dichloroethane	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
1,1-Dichloroethene	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
1,2-Dichloroethane	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
1,2-Dichloroethene (total)	250		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
1,2-Dichloropropane	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
2-Butanone	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
2-Hexanone	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
4-Methyl-2-pentanone	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
Acetone	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
Benzene	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
Bromodichloromethane	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
Bromoform	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
Bromomethane	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
Carbon disulfide	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
Carbon tetrachloride	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
Chlorobenzene	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
Chloroethane	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
Chloroform	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
Chloromethane	< 10	c	1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
Dibromochloromethane	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
Ethylbenzene	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
Freon-113	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
Methylene chloride	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
Styrene	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
Tetrachloroethene	170	D	5	µg/L	08/14/2013 12:38 PM	Container-02 of 02
Toluene	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
Trichloroethene	140		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02
Vinyl chloride	< 10		1	µg/L	08/12/2013 6:06 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

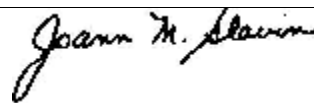
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit > MDL and < LOQ, Value estimated.

J = Estimated value - below calibration range

S = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

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Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Influent

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller

Collected : 8/6/2013 2:45:00 PM

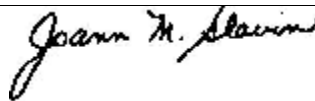
Received : 8/6/2013 3:00:00 PM

Collected By WIRE TO WATER

Lab No. : 1308268-002A**Client Sample ID: INFLUENT - 2**

<u>Analytical Method:</u> SW8260B :		<u>Prep Method:</u> 5030B		<u>Analyst:</u> KG			
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>		<u>Analyzed:</u>	<u>Container:</u>
Xylene (total)	< 10		1	µg/L		08/12/2013 6:06 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	88.2		1	%REC	Limit 53-183	08/12/2013 6:06 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	92.3		1	%REC	Limit 63-140	08/12/2013 6:06 PM	Container-01 of 02
Surr: Toluene-d8	77.4		1	%REC	Limit 60-135	08/12/2013 6:06 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

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Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Influent

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 22118-2640****Attn To :** Donald Miller

Collected : 8/6/2013 2:45:00 PM

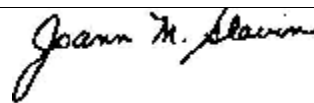
Received : 8/6/2013 3:00:00 PM

Collected By WIRE TO WATER

Lab No. : 1308268-002B**Client Sample ID: INFLUENT - 2**

<u>Analytical Method:</u> SM4500-H B : IOC					<u>Analyst:</u> JL	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
pH	6.1	H	+	1	08/06/2013 7:54 PM	Container-01 of 01
pH Temperature	20.0	H	+	1	08/06/2013 7:54 PM	Container-01 of 01
<u>Analytical Method:</u> SM2540C : IOC					<u>Analyst:</u> MLM	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Total Dissolved Solids	111			1	08/08/2013 3:24 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

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Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Influent

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller

Collected : 8/6/2013 2:45:00 PM

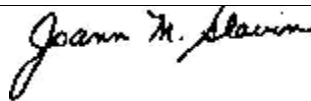
Received : 8/6/2013 3:00:00 PM

Collected By WIRE TO WATER

Lab No. : 1308268-002C**Client Sample ID: INFLUENT - 2**

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 8/7/2013 9:00:00 AM		<u>Analyst:</u> ABA
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	0.19		1	mg/L	08/08/2013 3:19 PM	Container-01 of 01
Manganese	0.10		1	mg/L	08/08/2013 3:19 PM	Container-01 of 01
Zinc	0.12		1	mg/L	08/08/2013 3:19 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

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Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Influent

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller**Lab No. : 1308268-002D****Client Sample ID: INFLUENT - 2**

Collected : 8/6/2013 2:45:00 PM

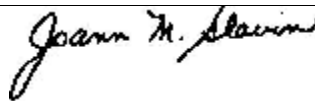
Received : 8/6/2013 3:00:00 PM

Collected By WIRE TO WATER

DISSOLVED

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 8/12/2013 9:28:00 AM		<u>Analyst:</u> ABA
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	< 0.02		1	mg/L	08/12/2013 3:46 PM	Container-01 of 01
Manganese	0.09		1	mg/L	08/12/2013 3:46 PM	Container-01 of 01
Zinc	0.09		1	mg/L	08/12/2013 3:46 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
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Laboratory Manager

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Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Effluent

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 22118-2640****Attn To :** Donald Miller**Lab No. : 1308268-003A****Client Sample ID: EFFLUENT - 1**

Collected : 8/6/2013 3:00:00 PM

Received : 8/6/2013 3:00:00 PM

Collected By WIRE TO WATER

<u>Analytical Method:</u>		<u>Prep Method:</u>		<u>Analyst:</u>		
SW8260B :		5030B		KG		
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
1,1,1-Trichloroethane	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
1,1,2-Trichloroethane	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
1,1-Dichloroethane	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
1,1-Dichloroethene	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
1,2-Dichloroethane	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
1,2-Dichloropropane	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
2-Butanone	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
2-Hexanone	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
4-Methyl-2-pentanone	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Acetone	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Benzene	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Bromodichloromethane	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Bromoform	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Bromomethane	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Carbon disulfide	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Carbon tetrachloride	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Chlorobenzene	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Chloroethane	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Chloroform	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Chloromethane	< 10	c	1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Dibromochloromethane	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Ethylbenzene	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Freon-113	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Methylene chloride	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Styrene	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Tetrachloroethene	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Toluene	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Trichloroethene	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02
Vinyl chloride	< 10		1	µg/L	08/12/2013 5:36 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

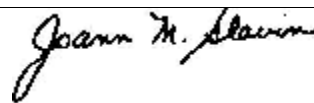
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit > MDL and < LOQ, Value estimated.

J = Estimated value - below calibration range

S = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

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unless otherwise noted.

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Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Effluent

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller

Collected : 8/6/2013 3:00:00 PM

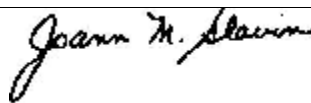
Received : 8/6/2013 3:00:00 PM

Collected By WIRE TO WATER

Lab No. : 1308268-003A**Client Sample ID: EFFLUENT - 1**

<u>Analytical Method:</u> SW8260B :		<u>Prep Method:</u> 5030B		<u>Analyst:</u> KG			
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>		<u>Analyzed:</u>	<u>Container:</u>
Xylene (total)	< 10		1	µg/L		08/12/2013 5:36 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	85.9		1	%REC	Limit 53-183	08/12/2013 5:36 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	91.3		1	%REC	Limit 63-140	08/12/2013 5:36 PM	Container-01 of 02
Surr: Toluene-d8	77.3		1	%REC	Limit 60-135	08/12/2013 5:36 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

Test results meet the requirements of NELAC
unless otherwise noted.

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Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Effluent

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller

Collected : 8/6/2013 3:00:00 PM

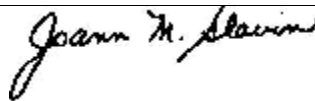
Received : 8/6/2013 3:00:00 PM

Collected By WIRE TO WATER

Lab No. : 1308268-003B**Client Sample ID: EFFLUENT - 1**

<u>Analytical Method:</u> SM4500-H B : IOC					<u>Analyst:</u> JL	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
pH	7.1	H	+	1	08/06/2013 7:56 PM	Container-01 of 01
pH Temperature	20.0	H	+	1	08/06/2013 7:56 PM	Container-01 of 01
<u>Analytical Method:</u> SM2540C : IOC					<u>Analyst:</u> MLM	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Total Dissolved Solids	113			1 mg/L	08/08/2013 3:27 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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Laboratory Manager

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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Sample Information:

Type : Aqueous

Origin: Effluent

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller

Collected : 8/6/2013 3:00:00 PM

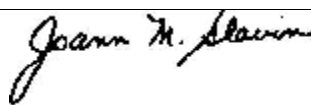
Received : 8/6/2013 3:00:00 PM

Collected By WIRE TO WATER

Lab No. : 1308268-003C**Client Sample ID: EFFLUENT - 1**

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 8/7/2013 9:00:00 AM		<u>Analyst:</u> ABA
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	0.24		1	mg/L	08/08/2013 3:23 PM	Container-01 of 01
Manganese	0.10		1	mg/L	08/08/2013 3:23 PM	Container-01 of 01
Zinc	0.02		1	mg/L	08/08/2013 3:23 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
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Laboratory Manager

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Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Effluent

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller**Lab No. : 1308268-003D****Client Sample ID: EFFLUENT - 1**

Collected : 8/6/2013 3:00:00 PM

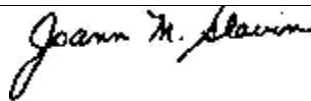
Received : 8/6/2013 3:00:00 PM

Collected By WIRE TO WATER

DISSOLVED

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 8/12/2013 9:28:00 AM		<u>Analyst:</u> ABA
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	0.03		1	mg/L	08/12/2013 3:50 PM	Container-01 of 01
Manganese	0.09		1	mg/L	08/12/2013 3:50 PM	Container-01 of 01
Zinc	0.07		1	mg/L	08/12/2013 3:50 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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Laboratory Manager

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H2M LABS INC

Melville, NY 11747

TEL: (631) 694-3040 FAX: (631) 420-8436

Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **FAIR**Date and Time Received: **8/6/2013 3:00:00 PM**Work Order Number: **1308268**RcptNo: **1**Received by **Melissa Watson**

Completed by:

Reviewed by:

Completed Date: 8/6/2013 6:10:51 PMReviewed Date: 8/13/2013 1:06:36 PMCarrier name: Client

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Are matrices correctly identified on Chain of custody?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Is it clear what analyses were requested?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Were correct preservatives used and noted?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
Preservative added to bottles:				
Sample Condition?	Intact <input checked="" type="checkbox"/>	Broken <input type="checkbox"/>	Leaking <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Were container labels complete (ID, Pres, Date)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		
Was an attempt made to cool the samples?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
All samples received at a temp. of > 0° C to 6.0° C?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	To 6.9 ° <input type="checkbox"/>	
Water - Were bubbles absent in VOC vials?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No Vials <input type="checkbox"/>	
Water - Was there Chlorine Present?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No Water <input type="checkbox"/>	
Are Samples considered acceptable?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Custody Seals present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		
Airbill or Sticker?	Air Bil <input type="checkbox"/>	Sticker <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Airbill No:				

Case Number:

SDG:

SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☒ No

Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted:

Contacted By:

Regarding:

Comments:

pH out of holdg

CorrectiveAction:

575 Broad Hollow Road, Melville, NY 11747

TEL: (631) 694-3040 FAX: (631) 420-8436

NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 22118-2640****Attn To :** Donald Miller

Collected : 10/16/2013 11:30:00 AM

Received : 10/16/2013 11:55:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Lab No. : 1310896-001A**Client Sample ID: INFLUENT - 1**

Origin: Influent

<u>Analytical Method:</u> SW8260 :		<u>Prep Method:</u> 5030C		<u>Analyst:</u> GKB		
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
1,1,1-Trichloroethane	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
1,1,2-Trichloroethane	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
1,1-Dichloroethane	13		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
1,1-Dichloroethene	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
1,2-Dichloroethane	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
1,2-Dichloroethene (total)	320		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
1,2-Dichloropropane	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
2-Butanone	< 10	c	1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
2-Hexanone	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
4-Methyl-2-pentanone	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
Acetone	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
Benzene	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
Bromodichloromethane	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
Bromoform	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
Bromomethane	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
Carbon disulfide	< 10	c	1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
Carbon tetrachloride	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
Chlorobenzene	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
Chloroethane	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
Chloroform	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
Chloromethane	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
Dibromochloromethane	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
Ethylbenzene	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
Freon-113	20	c	1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
Methylene chloride	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
Styrene	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
Tetrachloroethene	740	D	5	µg/L	10/17/2013 5:07 PM	Container-02 of 02
Toluene	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 10		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02
Trichloroethene	320	D	5	µg/L	10/17/2013 5:07 PM	Container-02 of 02
Vinyl chloride	36		1	µg/L	10/17/2013 4:36 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

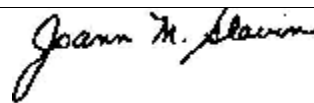
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit > MDL and < LOQ, Value estimated.

J = Estimated value - below calibration range

S = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

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575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller

Collected : 10/16/2013 11:30:00 AM

Received : 10/16/2013 11:55:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

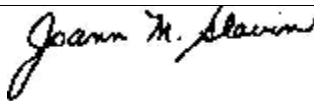
Type : Aqueous

Origin: Influent

Lab No. : 1310896-001A**Client Sample ID: INFLUENT - 1**

<u>Analytical Method:</u> SW8260 :		<u>Prep Method:</u> 5030C		<u>Analyst:</u> GKB	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Container:</u>
Xylene (total)	< 10		1	µg/L	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	76.8		1	%REC	Container-01 of 02
Surr: 4-Bromofluorobenzene	91.7		1	%REC	Container-01 of 02
Surr: Toluene-d8	85.2		1	%REC	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
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NYSDOH ID#10478

Fairchild Corporation
8130 Boone Blvd.
Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 10/16/2013 11:30:00 AM

Received : 10/16/2013 11:55:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

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Sample Information:

Type : Aqueous

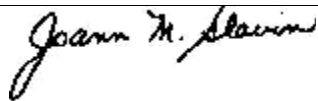
Origin: Influent

Lab No. : 1310896-001B

Client Sample ID: INFLUENT - 1

<u>Analytical Method:</u> SM4500-H B : IOC						<u>Analyst:</u> JL
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
pH	5.6	H	+	1	pH Units	10/16/2013 5:51 PM Container-01 of 01
pH Temperature	10.3	H	+	1	°C	10/16/2013 5:51 PM Container-01 of 01
<u>Analytical Method:</u> SM2540C : IOC						<u>Analyst:</u> MLM
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Total Dissolved Solids	112			1	mg/L	10/16/2013 2:48 PM Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

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NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller

Collected : 10/16/2013 11:30:00 AM

Received : 10/16/2013 11:55:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

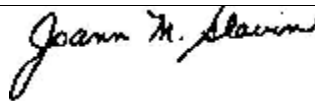
Type : Aqueous

Origin: Influent

Lab No. : 1310896-001C**Client Sample ID: INFLUENT - 1**

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 10/23/2013 10:00:00 AM		<u>Analyst:</u> CM
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	0.23		1	mg/L	10/28/2013 12:40 PM	Container-01 of 01
Manganese	0.10		1	mg/L	10/28/2013 12:40 PM	Container-01 of 01
Zinc	0.21		1	mg/L	10/28/2013 12:40 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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Laboratory Manager

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575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller

Collected : 10/16/2013 11:30:00 AM

Received : 10/16/2013 11:55:00 AM DISSOLVED

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

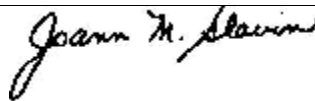
Type : Aqueous

Origin: Influent

Lab No. : 1310896-001D**Client Sample ID: INFLUENT - 1**

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 10/23/2013 10:00:00 AM		<u>Analyst:</u> CM
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	0.11		1	mg/L	10/28/2013 12:44 PM	Container-01 of 01
Manganese	0.10		1	mg/L	10/28/2013 12:44 PM	Container-01 of 01
Zinc	0.12		1	mg/L	10/28/2013 12:44 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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Laboratory Manager

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575 Broad Hollow Road, Melville, NY 11747

TEL: (631) 694-3040 FAX: (631) 420-8436

NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 22118-2640****Attn To :** Donald Miller

Collected : 10/16/2013 11:15:00 AM

Received : 10/16/2013 11:55:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Origin: Influent

Lab No. : 1310896-002A**Client Sample ID: INFLUENT - 2**

<u>Analytical Method:</u> SW8260 :		<u>Prep Method:</u> 5030C		<u>Analyst:</u> GKB		
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
1,1,1-Trichloroethane	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
1,1,2-Trichloroethane	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
1,1-Dichloroethane	14		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
1,1-Dichloroethene	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
1,2-Dichloroethane	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
1,2-Dichloroethene (total)	350		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
1,2-Dichloropropane	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
2-Butanone	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
2-Hexanone	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
4-Methyl-2-pentanone	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
Acetone	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
Benzene	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
Bromodichloromethane	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
Bromoform	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
Bromomethane	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
Carbon disulfide	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
Carbon tetrachloride	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
Chlorobenzene	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
Chloroethane	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
Chloroform	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
Chloromethane	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
Dibromochloromethane	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
Ethylbenzene	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
Freon-113	< 10	c	1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
Methylene chloride	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
Styrene	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
Tetrachloroethene	560	D	5	µg/L	10/23/2013 9:40 PM	Container-02 of 02
Toluene	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 10		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02
Trichloroethene	290	D	5	µg/L	10/23/2013 9:40 PM	Container-02 of 02
Vinyl chloride	30		1	µg/L	10/23/2013 5:13 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

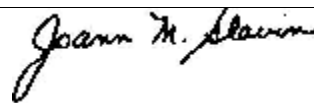
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit > MDL and < LOQ, Value estimated.

J = Estimated value - below calibration range

S = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

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575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller

Collected : 10/16/2013 11:15:00 AM

Received : 10/16/2013 11:55:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

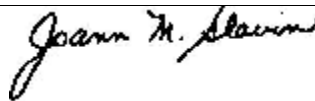
Type : Aqueous

Origin: Influent

Lab No. : 1310896-002A**Client Sample ID: INFLUENT - 2**

<u>Analytical Method:</u> SW8260 :		<u>Prep Method:</u> 5030C		<u>Analyst:</u> GKB			
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>		<u>Container:</u>
Xylene (total)	< 10		1	µg/L		10/23/2013 5:13 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	80.6		1	%REC	Limit 53-183	10/23/2013 5:13 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	92.1		1	%REC	Limit 63-140	10/23/2013 5:13 PM	Container-01 of 02
Surr: Toluene-d8	80.0		1	%REC	Limit 60-135	10/23/2013 5:13 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

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NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 22118-2640****Attn To :** Donald Miller

Collected : 10/16/2013 11:15:00 AM

Received : 10/16/2013 11:55:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

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Sample Information:

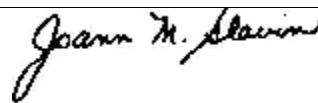
Type : Aqueous

Origin: Influent

Lab No. : 1310896-002B**Client Sample ID: INFLUENT - 2**

<u>Analytical Method:</u> SM4500-H B : IOC					<u>Analyst:</u> JL	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
pH	5.7	H	+	1	10/16/2013 5:55 PM	Container-01 of 01
pH Temperature	10	H	+	1	10/16/2013 5:55 PM	Container-01 of 01
<u>Analytical Method:</u> SM2540C : IOC					<u>Analyst:</u> MLM	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Total Dissolved Solids	113			1 mg/L	10/16/2013 2:51 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
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Laboratory Manager

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NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller

Collected : 10/16/2013 11:15:00 AM

Received : 10/16/2013 11:55:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

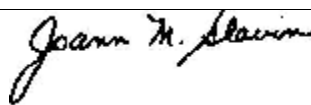
Type : Aqueous

Origin: Influent

Lab No. : 1310896-002C**Client Sample ID: INFLUENT - 2**

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 10/23/2013 10:00:00 AM		<u>Analyst:</u> CM
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	0.22		1	mg/L	10/28/2013 12:49 PM	Container-01 of 01
Manganese	0.10		1	mg/L	10/28/2013 12:49 PM	Container-01 of 01
Zinc	0.07		1	mg/L	10/28/2013 12:49 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
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Laboratory Manager

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller

Collected : 10/16/2013 11:15:00 AM

Received : 10/16/2013 11:55:00 AM DISSOLVED

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

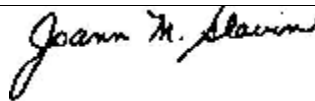
Type : Aqueous

Origin: Influent

Lab No. : 1310896-002D**Client Sample ID: INFLUENT - 2**

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 10/23/2013 10:00:00 AM		<u>Analyst:</u> CM
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	0.07		1	mg/L	10/28/2013 12:53 PM	Container-01 of 01
Manganese	0.10		1	mg/L	10/28/2013 12:53 PM	Container-01 of 01
Zinc	0.11		1	mg/L	10/28/2013 12:53 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
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Laboratory Manager

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NYSDOH ID#10478

Fairchild Corporation
8130 Boone Blvd.
Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 10/16/2013 11:00:00 AM

Received : 10/16/2013 11:55:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Aqueous

Lab No. : 1310896-003A

Client Sample ID: EFFLUENT - 1

Origin: Effluent

<u>Analytical Method:</u> SW8260 :		<u>Prep Method:</u> 5030C		<u>Analyst:</u> GKB		
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
1,1,1-Trichloroethane	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
1,1,2-Trichloroethane	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
1,1-Dichloroethane	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
1,1-Dichloroethene	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
1,2-Dichloroethane	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
1,2-Dichloroethene (total)	190		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
1,2-Dichloropropane	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
2-Butanone	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
2-Hexanone	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
4-Methyl-2-pentanone	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Acetone	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Benzene	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Bromodichloromethane	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Bromoform	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Bromomethane	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Carbon disulfide	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Carbon tetrachloride	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Chlorobenzene	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Chloroethane	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Chloroform	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Chloromethane	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Dibromochloromethane	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Ethylbenzene	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Freon-113	< 10	c	1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Methylene chloride	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Styrene	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Tetrachloroethene	120		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Toluene	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Trichloroethene	90		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02
Vinyl chloride	< 10		1	µg/L	10/23/2013 5:43 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

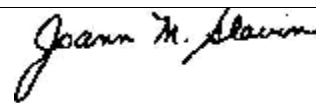
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit > MDL and < LOQ, Value estimated.

J = Estimated value - below calibration range

S = Recovery exceeded control limits for this analyte

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Laboratory Manager

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575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 22118-2640****Attn To :** Donald Miller

Collected : 10/16/2013 11:00:00 AM

Received : 10/16/2013 11:55:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

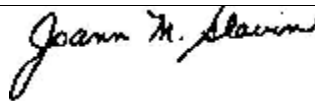
Type : Aqueous

Origin: Effluent

Lab No. : 1310896-003A**Client Sample ID: EFFLUENT - 1**

<u>Analytical Method:</u> SW8260 :		<u>Prep Method:</u> 5030C		<u>Analyst:</u> GKB	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Container:</u>
Xylene (total)	< 10		1	µg/L	10/23/2013 5:43 PM Container-01 of 02
Surr: 1,2-Dichloroethane-d4	80.9		1	%REC Limit 53-183	10/23/2013 5:43 PM Container-01 of 02
Surr: 4-Bromofluorobenzene	92.0		1	%REC Limit 63-140	10/23/2013 5:43 PM Container-01 of 02
Surr: Toluene-d8	80.1		1	%REC Limit 60-135	10/23/2013 5:43 PM Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
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Laboratory Manager

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NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller

Collected : 10/16/2013 11:00:00 AM

Received : 10/16/2013 11:55:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

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Sample Information:

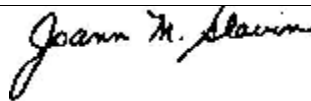
Type : Aqueous

Origin: Effluent

Lab No. : 1310896-003B**Client Sample ID: EFFLUENT - 1**

<u>Analytical Method:</u> SM4500-H B : IOC					<u>Analyst:</u> JL	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
pH	6.8	H	+	1	10/16/2013 5:57 PM	Container-01 of 01
pH Temperature	10.4	H	+	1	10/16/2013 5:57 PM	Container-01 of 01
<u>Analytical Method:</u> SM2540C : IOC					<u>Analyst:</u> MLM	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Total Dissolved Solids	120			1	10/16/2013 2:54 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
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Laboratory Manager

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller

Collected : 10/16/2013 11:00:00 AM

Received : 10/16/2013 11:55:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

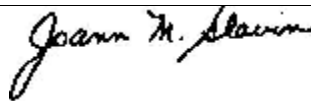
Type : Aqueous

Origin: Effluent

Lab No. : 1310896-003C**Client Sample ID: EFFLUENT - 1**

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 10/23/2013 10:00:00 AM		<u>Analyst:</u> CM
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	0.20		1	mg/L	10/28/2013 12:57 PM	Container-01 of 01
Manganese	0.11		1	mg/L	10/28/2013 12:57 PM	Container-01 of 01
Zinc	0.05		1	mg/L	10/28/2013 12:57 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation**8130 Boone Blvd.****Vienna, VA 221182-2640****Attn To :** Donald Miller

Collected : 10/16/2013 11:00:00 AM

Received : 10/16/2013 11:55:00 AM DISSOLVED

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

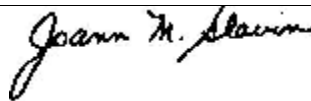
Type : Aqueous

Origin: Effluent

Lab No. : 1310896-003D**Client Sample ID: EFFLUENT - 1**

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 10/23/2013 10:00:00 AM		<u>Analyst:</u> CM
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	0.05		1	mg/L	10/28/2013 1:14 PM	Container-01 of 01
Manganese	0.10		1	mg/L	10/28/2013 1:14 PM	Container-01 of 01
Zinc	0.09		1	mg/L	10/28/2013 1:14 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

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H2M LABS INC
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **FAIR**

Date and Time Received: **10/16/2013 11:55:00 AM**

Work Order Number: **1310896**

RcptNo: **1**

Received by **Jamie Spero**

Completed by:

Reviewed by:

Completed Date: 10/16/2013 11:57:19 AM

Reviewed Date: 10/21/2013 3:58:07 PM

Carrier name: Client

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Are matrices correctly identified on Chain of custody?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Is it clear what analyses were requested?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Were correct preservatives used and noted?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
Preservative added to bottles:				
Sample Condition?	Intact <input checked="" type="checkbox"/>	Broken <input type="checkbox"/>	Leaking <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Were container labels complete (ID, Pres, Date)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Was an attempt made to cool the samples?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
All samples received at a temp. of > 0° C to 6.0° C?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	To 3.8 ° <input type="checkbox"/>	
Water - Were bubbles absent in VOC vials?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No Vials <input type="checkbox"/>	
Water - Was there Chlorine Present?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No Water <input type="checkbox"/>	
Are Samples considered acceptable?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Custody Seals present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		
Airbill or Sticker?	Air Bil <input type="checkbox"/>	Sticker <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Airbill No:				

Case Number:

SDG:

SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☒ No

Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

ECOTEST LABORATORIES

A division of H2M Labs, Inc.

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Fairchild Corporation

8130 Boone Blvd.
Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 11/6/2013 11:30:00 AM

Received : 11/6/2013 11:45:00 AM

Collected By WIRE TO WATER

Lab No. : 1311275-001A

Client Sample ID: INFLUENT - 1

Sample Information:

Type : Waste Water

Origin: Influent

Analytical Method: SW8260 :		Prep Method: 5030C		Analyst: GKB	
Parameter(s)	Results	Qualifier	D.F.	Units	Container:
1,1,1-Trichloroethane	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
1,1,2-Trichloroethane	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
1,1-Dichloroethane	16		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
1,1-Dichloroethene	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
1,2-Dichloroethane	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
1,2-Dichloroethene (total)	370		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
1,2-Dichloropropane	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
2-Butanone	< 10	c	1	µg/L	11/08/2013 2:01 AM Container-01 of 02
2-Hexanone	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
4-Methyl-2-pentanone	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
Acetone	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
Benzene	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
Bromodichloromethane	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
Bromoform	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
Bromomethane	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
Carbon disulfide	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
Carbon tetrachloride	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
Chlorobenzene	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
Chloroethane	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
Chloroform	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
Chloromethane	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
cis-1,3-Dichloropropene	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
Dibromochloromethane	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
Ethylbenzene	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
Freon-113	23		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
Methylene chloride	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
Styrene	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
Tetrachloroethene	850	D	10	µg/L	11/08/2013 10:53 PM Container-02 of 02
Toluene	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
trans-1,3-Dichloropropene	< 10		1	µg/L	11/08/2013 2:01 AM Container-01 of 02
Trichloroethene	370	D	10	µg/L	11/08/2013 10:53 PM Container-02 of 02
Vinyl chloride	45		1	µg/L	11/08/2013 2:01 AM Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

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+ = ELAP / NELAC does not offer certification for this analyte

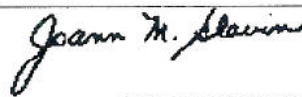
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Laboratory Manager

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Date Reported : 11/14/2013

Page 1 of 16

ECOTEST LABORATORIES

A division of H2M Labs, Inc.

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation

8130 Boone Blvd.
Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 11/6/2013 11:30:00 AM

Received : 11/6/2013 11:45:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

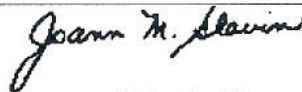
Type : Waste Water

Origin: Influent

Lab No. : 1311275-001A
Client Sample ID: INFLUENT - 1

Analytical Method: SW8260 :		Prep Method: 5030C		Analyst: GKB	
Parameter(s)	Results	Qualifier	D.F.	Units	Container:
Xylene (total)	< 10		1	µg/L	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	88.5		1	%REC Limit 53-183	Container-01 of 02
Surr: 4-Bromofluorobenzene	93.6		1	%REC Limit 63-140	Container-01 of 02
Surr: Toluene-d8	95.6		1	%REC Limit 60-135	Container-01 of 02

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Page 2 of 16

ECOTEST LABORATORIES

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NYSDOH ID#10478

Fairchild Corporation
8130 Boone Blvd.
Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 11/6/2013 11:30:00 AM

Received : 11/6/2013 11:45:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Waste Water

Origin: Influent

Lab No. : 1311275-001B
Client Sample ID: INFLUENT - 1

Analytical Method: SM4500-H B : IOC						Analyst: AW	
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:	
pH	5.1	H	+	1	pH Units	11/06/2013 6:20 PM	Container-01 of 01
pH Temperature	23.9	H	+	1	°C	11/06/2013 6:20 PM	Container-01 of 01
Analytical Method: SM2540C : IOC						Analyst: MLM	
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:	
Total Dissolved Solids	121			1	mg/L	11/11/2013 1:54 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.

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D.F. = Dilution Factor D = Results for Dilution

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+ = ELAP / NELAC does not offer certification for this analyte

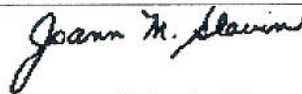
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Page 3 of 16

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NYSDOH ID#10478

Fairchild Corporation

8130 Boone Blvd.
Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 11/6/2013 11:30:00 AM

Received : 11/6/2013 11:45:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

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Sample Information:

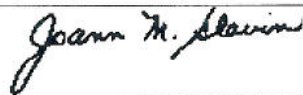
Type : Waste Water

Origin: Influent

Lab No. : 1311275-001C
Client Sample ID: INFLUENT - 1

Analytical Method: E200.7 :		Prep Method: E200.7		Prep Date: 11/7/2013 10:48:47 AM		Analyst: CM	
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:	
Iron	0.19		1	mg/L	11/12/2013 11:59 AM	Container-01 of 01	
Manganese	0.10		1	mg/L	11/12/2013 11:59 AM	Container-01 of 01	
Zinc	0.06		1	mg/L	11/12/2013 11:59 AM	Container-01 of 01	

Qualifiers: E = Value above quantitation range, Value estimated.
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Page 4 of 16

ECOTEST LABORATORIES

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NYSDOH ID#10478

LABORATORY RESULTS

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Fairchild Corporation

8130 Boone Blvd.

Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 11/6/2013 11:30:00 AM

Received : 11/6/2013 11:45:00 AM DISSOLVED

Collected By WIRE TO WATER

Lab No. : 1311275-001D

Client Sample ID: INFLUENT - 1

Sample Information:

Type : Waste Water

Origin: Influent

Analytical Method: E200.7 :		Prep Method: E200.7		Prep Date: 11/12/2013 12:03:55 PM		Analyst: Aba
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Iron	0.11		1	mg/L	11/13/2013 2:08 PM	Container-01 of 01
Manganese	0.09		1	mg/L	11/13/2013 2:08 PM	Container-01 of 01
Zinc	0.08		1	mg/L	11/13/2013 2:08 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

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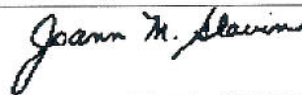
c = Calibration acceptability criteria exceeded for this analyte

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Laboratory Manager

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Date Reported : 11/14/2013

Page 5 of 16

ECOTEST LABORATORIES

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

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Fairchild Corporation

8130 Boone Blvd.
Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 11/6/2013 11:15:00 AM

Received : 11/6/2013 11:45:00 AM

Collected By WIRE TO WATER

Lab No. : 1311275-002A

Client Sample ID: INFLUENT - 2

Sample Information:

Type : Waste Water

Origin: Influent

Analytical Method: SW8260 :		Prep Method: 5030C		Analyst: GKB	
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed: Container:
1,1,1-Trichloroethane	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
1,1,2-Trichloroethane	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
1,1-Dichloroethane	15		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
1,1-Dichloroethene	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
1,2-Dichloroethane	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
1,2-Dichloroethene (total)	360		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
1,2-Dichloropropane	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
2-Butanone	< 10	c	1	µg/L	11/08/2013 2:31 AM Container-01 of 02
2-Hexanone	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
4-Methyl-2-pentanone	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
Acetone	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
Benzene	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
Bromodichloromethane	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
Bromoform	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
Bromomethane	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
Carbon disulfide	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
Carbon tetrachloride	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
Chlorobenzene	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
Chloroethane	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
Chloroform	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
Chloromethane	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
cis-1,3-Dichloropropene	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
Dibromochloromethane	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
Ethylbenzene	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
Freon-113	12		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
Methylene chloride	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
Styrene	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
Tetrachloroethene	750	D	5	µg/L	11/08/2013 10:18 PM Container-02 of 02
Toluene	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
trans-1,3-Dichloropropene	< 10		1	µg/L	11/08/2013 2:31 AM Container-01 of 02
Trichloroethene	350	D	5	µg/L	11/08/2013 10:18 PM Container-02 of 02
Vinyl chloride	34		1	µg/L	11/08/2013 2:31 AM Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
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Joann M. Slavin
Laboratory Manager

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Date Reported : 11/14/2013

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ECOTEST LABORATORIES

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation
8130 Boone Blvd.
Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 11/6/2013 11:15:00 AM

Received : 11/6/2013 11:45:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

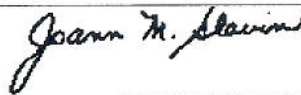
Type : Waste Water

Origin: Influent

Lab No. : 1311275-002A
Client Sample ID: INFLUENT - 2

Analytical Method: SW8260 :		Prep Method: 5030C		Analyst: GKB			
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:	
Xylene (total)	< 10		1	µg/L	11/08/2013 2:31 AM	Container-01 of 02	
Surr: 1,2-Dichloroethane-d4	89.7		1	%REC	Limit 53-183	11/08/2013 2:31 AM	Container-01 of 02
Surr: 4-Bromofluorobenzene	93.5		1	%REC	Limit 63-140	11/08/2013 2:31 AM	Container-01 of 02
Surr: Toluene-d8	96.8		i	%REC	Limit 60-135	11/08/2013 2:31 AM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Date Reported : 11/14/2013

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ECOTEST LABORATORIES

A division of H2M Labs, Inc.

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation
8130 Boone Blvd.
Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 11/6/2013 11:15:00 AM

Received : 11/6/2013 11:45:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

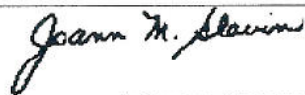
Type : Waste Water

Origin: Influent

Lab No. : 1311275-002B
Client Sample ID: INFLUENT - 2

Analytical Method: SM4500-H B : IOC						Analyst: AW	
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:	
pH	5.1	H	+	1	pH Units	11/06/2013 6:23 PM	Container-01 of 01
pH Temperature	23.9	H	+	1	°C	11/06/2013 6:23 PM	Container-01 of 01
Analytical Method: SM2540C : IOC						Analyst: MLM	
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:	
Total Dissolved Solids	130			1	mg/L	11/11/2013 1:57 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 11/14/2013

Page 8 of 16

ECOTEST LABORATORIES

A division of H2M Labs, Inc.

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation

8130 Boone Blvd.
Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 11/6/2013 11:15:00 AM

Received : 11/6/2013 11:45:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Lab No. : 1311275-002C
Client Sample ID: INFLUENT - 2

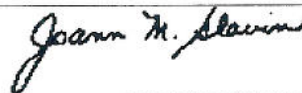
Sample Information:

Type : Waste Water

Origin: Influent

Analytical Method: E200.7 :		Prep Method: E200.7		Prep Date: 11/7/2013 10:48:47 AM		Analyst: CM
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Iron	0.20		1	mg/L	11/12/2013 12:04 PM	Container-01 of 01
Manganese	0.10		1	mg/L	11/12/2013 12:04 PM	Container-01 of 01
Zinc	0.18		1	mg/L	11/12/2013 12:04 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound


Laboratory Manager

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Date Reported : 11/14/2013

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ECOTEST LABORATORIES

A division of H2M Labs, Inc.

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation

8130 Boone Blvd.
Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 11/6/2013 11:15:00 AM

Received : 11/6/2013 11:45:00 AM DISSOLVED

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Waste Water

Origin: Influent

Lab No. : 1311275-002D
Client Sample ID: INFLUENT - 2

Analytical Method: E200.7 :		Prep Method: E200.7		Prep Date: 11/12/2013 12:03:55 PM		Analyst: Aba
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Iron	0.03		1	mg/L	11/13/2013 2:13 PM	Container-01 of 01
Manganese	0.09		1	mg/L	11/13/2013 2:13 PM	Container-01 of 01
Zinc	0.15		1	mg/L	11/13/2013 2:13 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

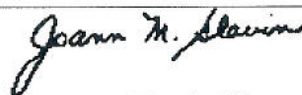
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit > MDL and < LOQ, Value estimated.

J = Estimated value - below calibration range

S = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 11/14/2013

Page 10 of 16

ECOTEST LABORATORIES

A division of H2M Labs, Inc.

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Fairchild Corporation

8130 Boone Blvd.
Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 11/6/2013 11:00:00 AM

Received : 11/6/2013 11:45:00 AM

Collected By WIRE TO WATER

Lab No. : 1311275-003A

Client Sample ID: EFFLUENT - 1

Sample Information:

Type : Waste Water

Origin: Effluent

Analytical Method: SW8260 :		Prep Method: 5030C		Analyst: GKB	
Parameter(s)	Results	Qualifier	D.F.	Units	Container
1,1,1-Trichloroethane	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
1,1,2-Trichloroethane	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
1,1-Dichloroethane	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
1,1-Dichloroethene	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
1,2-Dichloroethane	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
1,2-Dichloroethene (total)	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
1,2-Dichloropropane	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
2-Butanone	< 10	c	1	µg/L	11/08/2013 3:01 AM Container-01 of 02
2-Hexanone	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
4-Methyl-2-pentanone	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Acetone	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Benzene	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Bromodichloromethane	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Bromoform	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Bromomethane	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Carbon disulfide	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Carbon tetrachloride	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Chlorobenzene	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Chloroethane	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Chloroform	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Chloromethane	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
cis-1,3-Dichloropropene	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Dibromochloromethane	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Ethylbenzene	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Freon-113	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Methylene chloride	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Styrene	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Tetrachloroethene	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Toluene	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
trans-1,3-Dichloropropene	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Trichloroethene	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02
Vinyl chloride	< 10		1	µg/L	11/08/2013 3:01 AM Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slawin

Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 11/14/2013

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ECOTEST LABORATORIES

A division of H2M Labs, Inc.

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation

8130 Boone Blvd.
Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 11/6/2013 11:00:00 AM

Received : 11/6/2013 11:45:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Waste Water

Origin: Effluent

Lab No. : 1311275-003A
Client Sample ID: EFFLUENT - 1

Analytical Method: SW8260 :		Prep Method: 5030C		Analyst: GKB	
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:
Xylene (total)	< 10		1	µg/L	11/08/2013 3:01 AM
Surr: 1,2-Dichloroethane-d4	87.7		1	%REC	11/08/2013 3:01 AM
Surr: 4-Bromofluorobenzene	93.3		1	%REC	11/08/2013 3:01 AM
Surr: Toluene-d8	97.3		1	%REC	11/08/2013 3:01 AM
				Limit	53-183
				Limit	63-140
				Limit	60-135

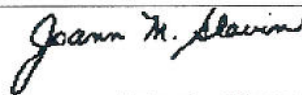
Container: Container-01 of 02

Container: Container-01 of 02

Container: Container-01 of 02

Container: Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound


Laboratory Manager

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Date Reported : 11/14/2013

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ECOTEST LABORATORIES

A division of H2M Labs, Inc.

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation
8130 Boone Blvd.
Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 11/6/2013 11:00:00 AM

Received : 11/6/2013 11:45:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

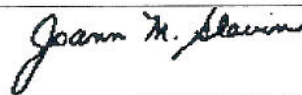
Type : Waste Water

Origin: Effluent

Lab No. : 1311275-003B
Client Sample ID: EFFLUENT - 1

Analytical Method: SM4500-H B : IOC						Analyst: AW
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
pH	6.8	H +	1	pH Units	11/06/2013 6:25 PM	Container-01 of 01
pH Temperature	23.8	H +	1	°C	11/06/2013 6:25 PM	Container-01 of 01
Analytical Method: SM2540C : IOC						Analyst: MLM
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Dissolved Solids	113		1	mg/L	11/11/2013 2:00 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
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Laboratory Manager

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ECOTEST LABORATORIES

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575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation

8130 Boone Blvd.
Vienna, VA 22182-2640

Attn To : Donald Miller

Collected : 11/6/2013 11:00:00 AM

Received : 11/6/2013 11:45:00 AM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Waste Water

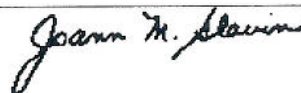
Origin: Effluent

Lab No. : 1311275-003C

Client Sample ID: EFFLUENT - 1

Analytical Method: E200.7 :		Prep Method: E200.7		Prep Date: 11/7/2013 10:48:47 AM		Analyst: CM	
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:	
Iron	0.19		1	mg/L	11/12/2013 12:08 PM	Container-01 of 01	
Manganese	0.10		1	mg/L	11/12/2013 12:08 PM	Container-01 of 01	
Zinc	0.05		1	mg/L	11/12/2013 12:08 PM	Container-01 of 01	

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound


Laboratory Manager

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Date Reported : 11/14/2013

Page 14 of 16

ECOTEST LABORATORIES

A division of H2M Labs, Inc.

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

Fairchild Corporation

8130 Boone Blvd.

Vienna, VA 22182-2640

Attn To : Donald Miller

Collected : 11/6/2013 11:00:00 AM

Received : 11/6/2013 11:45:00 AM DISSOLVED

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Waste Water

Origin: Effluent

Lab No. : 1311275-003D

Client Sample ID: EFFLUENT - 1

Analytical Method: E200.7 :		Prep Method: E200.7		Prep Date: 11/12/2013 12:03:55 PM		Analyst: Aba
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Iron	0.02		1	mg/L	11/13/2013 2:17 PM	Container-01 of 01
Manganese	0.09		1	mg/L	11/13/2013 2:17 PM	Container-01 of 01
Zinc	0.05		1	mg/L	11/13/2013 2:17 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

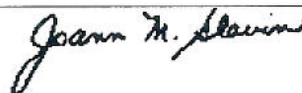
c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit > MDL and < LOQ, Value estimated.

J = Estimated value - below calibration range

S = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound



Laboratory Manager

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Date Reported : 11/14/2013

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H2M LABS INC
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **FAIR**

Date and Time Received: **11/6/2013 11:45:00 AM**

Work Order Number: **1311275**

RcptNo: **1**

Received by **JoshLaedke**

Completed by:

Reviewed by:

Completed Date: **11/7/2013 5:00:49 PM**

Reviewed Date: **11/7/2013 4:08:35 PM**

Carrier name: Client

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Are matrices correctly identified on Chain of custody?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Is it clear what analyses were requested?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present	<input checked="" type="checkbox"/>
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Were correct preservatives used and noted?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA	<input type="checkbox"/>
Preservative added to bottles:				
Sample Condition?	Intact <input checked="" type="checkbox"/>	Broken <input type="checkbox"/>	Leaking	<input type="checkbox"/>
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Were container labels complete (ID, Pres, Date)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Was an attempt made to cool the samples?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA	<input type="checkbox"/>
All samples received at a temp. of > 0° C to 6.0° C?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA	<input type="checkbox"/>
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	To	2 °
Water - Were bubbles absent in VOC vials?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No Vials	<input type="checkbox"/>
Water - Was there Chlorine Present?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA	<input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No Water	<input type="checkbox"/>
Are Samples considered acceptable?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Custody Seals present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		
Airbill or Sticker?	Air Bil <input type="checkbox"/>	Sticker <input type="checkbox"/>	Not Present	<input checked="" type="checkbox"/>

Airbill No:

Case Number:

SDG:

SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☒ No

Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Fairchild Corporation

8130 Boone Blvd.
Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 1/20/2014 2:30:00 PM

Received : 1/20/2014 2:45:00 PM

Collected By WIRE TO WATER

Lab No. : 1401831-001A

Client Sample ID: INFLUENT - 1

Sample Information:

Type : Waste Water

Origin: Influent

Analytical Method: SW8260 :		Prep Method: 5030C		Analyst: BL	
Parameter(s)	Results	Qualifier	D.F.	Units	Container:
1,1,1-Trichloroethane	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
1,1,2-Trichloroethane	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
1,1-Dichloroethane	22		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
1,1-Dichloroethene	14		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
1,2-Dichloroethane	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
1,2-Dichloroethene (total)	580	D	100	µg/L	01/27/2014 3:19 PM Container-02 of 02
1,2-Dichloropropane	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
2-Butanone	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
2-Hexanone	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
4-Methyl-2-pentanone	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
Acetone	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
Benzene	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
Bromodichloromethane	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
Bromoform	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
Bromomethane	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
Carbon disulfide	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
Carbon tetrachloride	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
Chlorobenzene	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
Chloroethane	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
Chloroform	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
Chloromethane	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
cis-1,3-Dichloropropene	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
Dibromochloromethane	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
Ethylbenzene	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
Freon-113	33		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
Methylene chloride	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
Styrene	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
Tetrachloroethene	990	D	100	µg/L	01/27/2014 3:19 PM Container-02 of 02
Toluene	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
trans-1,3-Dichloropropene	< 10		1	µg/L	01/25/2014 2:22 AM Container-01 of 02
Trichloroethene	440	D	100	µg/L	01/27/2014 3:19 PM Container-02 of 02
Vinyl chloride	71		1	µg/L	01/25/2014 2:22 AM Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit > MDL and < LOQ, Value estimated.

J = Estimated value - below calibration range

S = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound

Stu Murrell
Sr. Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Fairchild Corporation

**8130 Boone Blvd.
 Vienna, VA 22118-2640**

Attn To : Donald Miller

Collected : 1/20/2014 2:30:00 PM

Received : 1/20/2014 2:45:00 PM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Waste Water

Origin: Influent

Lab No. : 1401831-001A
Client Sample ID: INFLUENT - 1

<u>Analytical Method:</u> SW8260 :		<u>Prep Method:</u> 5030C		<u>Analyst:</u> BL	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Container:</u>
Xylene (total)	< 10		1	µg/L	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	116		1	%REC Limit 53-183	Container-01 of 02
Surr: 4-Bromofluorobenzene	114		1	%REC Limit 63-140	Container-01 of 02
Surr: Toluene-d8	98.8		1	%REC Limit 60-135	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
 B = Found in Blank
 D.F. = Dilution Factor D = Results for Dilution
 H = Received/analyzed outside of analytical holding time
 + = ELAP / NELAC does not offer certification for this analyte
 c = Calibration acceptability criteria exceeded for this analyte
 r = Reporting limit > MDL and < LOQ, Value estimated.
 J = Estimated value - below calibration range
 S = Recovery exceeded control limits for this analyte
 N = Indicates presumptive evidence of compound

Stu Murrell
 Sr.Project Manager

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LABORATORY RESULTS

Results for the samples and analytes requested

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Fairchild Corporation

8130 Boone Blvd.
 Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 1/20/2014 2:30:00 PM

Received : 1/20/2014 2:45:00 PM

Collected By WIRE TO WATER

Lab No. : 1401831-001B

Client Sample ID: INFLUENT - 1

Sample Information:

Type : Waste Water

Origin: Influent

<u>Analytical Method:</u> SM4500-H B : IOC					<u>Analyst:</u> MW	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
pH	5.0	H	+	1	01/20/2014 5:44 PM	Container-01 of 01
pH Temperature	20.8	H	+	1	01/20/2014 5:44 PM	Container-01 of 01
<u>Analytical Method:</u> SM2540C : IOC					<u>Analyst:</u> CO	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Total Dissolved Solids	113			1 mg/L	01/22/2013 10:51 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
 B = Found in Blank
 D.F. = Dilution Factor D = Results for Dilution
 H = Received/analyzed outside of analytical holding time
 + = ELAP / NELAC does not offer certification for this analyte
 c = Calibration acceptability criteria exceeded for this analyte
 r = Reporting limit > MDL and < LOQ, Value estimated.
 J = Estimated value - below calibration range
 S = Recovery exceeded control limits for this analyte
 N = Indicates presumptive evidence of compound

Stu Murrell
 Sr. Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Fairchild Corporation

**8130 Boone Blvd.
 Vienna, VA 22118-2640**

Attn To : Donald Miller

Collected : 1/20/2014 2:30:00 PM

Received : 1/20/2014 2:45:00 PM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Waste Water

Origin: Influent

Lab No. : 1401831-001C
Client Sample ID: INFLUENT - 1

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 1/21/2014 8:25:36 AM		<u>Analyst:</u> CM
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	0.25		1	mg/L	01/21/2014 5:16 PM	Container-01 of 01
Manganese	0.10		1	mg/L	01/21/2014 5:16 PM	Container-01 of 01
Zinc	0.13		1	mg/L	01/21/2014 5:16 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
 B = Found in Blank
 D.F. = Dilution Factor D = Results for Dilution
 H = Received/analyzed outside of analytical holding time
 + = ELAP / NELAC does not offer certification for this analyte
 c = Calibration acceptability criteria exceeded for this analyte
 r = Reporting limit > MDL and < LOQ, Value estimated.
 J = Estimated value - below calibration range
 S = Recovery exceeded control limits for this analyte
 N = Indicates presumptive evidence of compound

Stu Murrell
 Sr.Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

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LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Fairchild Corporation

8130 Boone Blvd.
 Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 1/20/2014 2:30:00 PM

Received : 1/20/2014 2:45:00 PM DISSOLVED

Collected By WIRE TO WATER

Lab No. : 1401831-001D

Client Sample ID: INFLUENT - 1

Sample Information:

Type : Waste Water

Origin: Influent

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 1/21/2014 1:50:05 PM		<u>Analyst:</u> CM
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	0.25		1	mg/L	01/24/2014 1:39 PM	Container-01 of 01
Manganese	0.10		1	mg/L	01/24/2014 1:39 PM	Container-01 of 01
Zinc	0.40		1	mg/L	01/24/2014 1:39 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
 B = Found in Blank
 D.F. = Dilution Factor D = Results for Dilution
 H = Received/analyzed outside of analytical holding time
 + = ELAP / NELAC does not offer certification for this analyte
 c = Calibration acceptability criteria exceeded for this analyte
 r = Reporting limit > MDL and < LOQ, Value estimated.
 J = Estimated value - below calibration range
 S = Recovery exceeded control limits for this analyte
 N = Indicates presumptive evidence of compound

Stu Murrell
 Sr.Project Manager

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LABORATORY RESULTS

Results for the samples and analytes requested

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Fairchild Corporation

8130 Boone Blvd.
 Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 1/20/2014 2:15:00 PM

Received : 1/20/2014 2:45:00 PM

Collected By WIRE TO WATER

Lab No. : 1401831-002A

Client Sample ID: INFLUENT - 2

Sample Information:

Type : Waste Water

Origin: Influent

Analytical Method: SW8260 :		Prep Method: 5030C		Analyst: BL	
Parameter(s)	Results	Qualifier	D.F.	Units	Container:
1,1,1-Trichloroethane	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
1,1,2-Trichloroethane	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
1,1-Dichloroethane	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
1,1-Dichloroethene	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
1,2-Dichloroethane	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
1,2-Dichloroethene (total)	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
1,2-Dichloropropane	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
2-Butanone	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
2-Hexanone	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
4-Methyl-2-pentanone	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Acetone	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Benzene	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Bromodichloromethane	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Bromoform	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Bromomethane	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Carbon disulfide	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Carbon tetrachloride	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Chlorobenzene	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Chloroethane	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Chloroform	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Chloromethane	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
cis-1,3-Dichloropropene	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Dibromochloromethane	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Ethylbenzene	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Freon-113	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Methylene chloride	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Styrene	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Tetrachloroethene	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Toluene	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
trans-1,3-Dichloropropene	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Trichloroethene	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02
Vinyl chloride	< 10		1	µg/L	01/27/2014 2:49 PM Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit > MDL and < LOQ, Value estimated.

J = Estimated value - below calibration range

S = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound

Stu Murrell
 Sr. Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Fairchild Corporation

**8130 Boone Blvd.
 Vienna, VA 22118-2640**

Attn To : Donald Miller

Collected : 1/20/2014 2:15:00 PM

Received : 1/20/2014 2:45:00 PM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Waste Water

Origin: Influent

Lab No. : 1401831-002A
Client Sample ID: INFLUENT - 2

<u>Analytical Method:</u> SW8260 :		<u>Prep Method:</u> 5030C		<u>Analyst:</u> BL			
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>	
Xylene (total)	< 10		1	µg/L	01/27/2014 2:49 PM	Container-01 of 02	
Surr: 1,2-Dichloroethane-d4	124		1	%REC	Limit 53-183	01/27/2014 2:49 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	128		1	%REC	Limit 63-140	01/27/2014 2:49 PM	Container-01 of 02
Surr: Toluene-d8	126		1	%REC	Limit 60-135	01/27/2014 2:49 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
 B = Found in Blank
 D.F. = Dilution Factor D = Results for Dilution
 H = Received/analyzed outside of analytical holding time
 + = ELAP / NELAC does not offer certification for this analyte
 c = Calibration acceptability criteria exceeded for this analyte
 r = Reporting limit > MDL and < LOQ, Value estimated.
 J = Estimated value - below calibration range
 S = Recovery exceeded control limits for this analyte
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Stu Murrell
 Sr.Project Manager

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LABORATORY RESULTS

Results for the samples and analytes requested

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Fairchild Corporation

8130 Boone Blvd.
 Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 1/20/2014 2:15:00 PM

Received : 1/20/2014 2:45:00 PM

Collected By WIRE TO WATER

Lab No. : 1401831-002B

Client Sample ID: INFLUENT - 2

Sample Information:

Type : Waste Water

Origin: Influent

<u>Analytical Method:</u> SM4500-H B : IOC					<u>Analyst:</u> MW	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
pH	6.8	H	+	1	01/20/2014 5:48 PM	Container-01 of 01
pH Temperature	20.8	H	+	1	01/20/2014 5:48 PM	Container-01 of 01
<u>Analytical Method:</u> SM2540C : IOC					<u>Analyst:</u> CO	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Total Dissolved Solids	111			1 mg/L	01/22/2013 10:54 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
 B = Found in Blank
 D.F. = Dilution Factor D = Results for Dilution
 H = Received/analyzed outside of analytical holding time
 + = ELAP / NELAC does not offer certification for this analyte
 c = Calibration acceptability criteria exceeded for this analyte
 r = Reporting limit > MDL and < LOQ, Value estimated.
 J = Estimated value - below calibration range
 S = Recovery exceeded control limits for this analyte
 N = Indicates presumptive evidence of compound

Stu Murrell
 Sr.Project Manager

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Fairchild Corporation

**8130 Boone Blvd.
 Vienna, VA 22118-2640**

Attn To : Donald Miller

Collected : 1/20/2014 2:15:00 PM

Received : 1/20/2014 2:45:00 PM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Waste Water

Origin: Influent

Lab No. : 1401831-002C
Client Sample ID: INFLUENT - 2

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 1/21/2014 8:25:36 AM		<u>Analyst:</u> CM
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	0.23		1	mg/L	01/21/2014 5:34 PM	Container-01 of 01
Manganese	0.10		1	mg/L	01/21/2014 5:34 PM	Container-01 of 01
Zinc	0.03		1	mg/L	01/21/2014 5:34 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
 B = Found in Blank
 D.F. = Dilution Factor D = Results for Dilution
 H = Received/analyzed outside of analytical holding time
 + = ELAP / NELAC does not offer certification for this analyte
 c = Calibration acceptability criteria exceeded for this analyte
 r = Reporting limit > MDL and < LOQ, Value estimated.
 J = Estimated value - below calibration range
 S = Recovery exceeded control limits for this analyte
 N = Indicates presumptive evidence of compound

Stu Murrell
 Sr. Project Manager

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LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Fairchild Corporation

8130 Boone Blvd.
 Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 1/20/2014 2:15:00 PM

Received : 1/20/2014 2:45:00 PM DISSOLVED

Collected By WIRE TO WATER

Lab No. : 1401831-002D

Client Sample ID: INFLUENT - 2

Sample Information:

Type : Waste Water

Origin: Influent

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 1/21/2014 1:50:05 PM		<u>Analyst:</u> CM
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	0.08		1	mg/L	01/24/2014 1:45 PM	Container-01 of 01
Manganese	0.10		1	mg/L	01/24/2014 1:45 PM	Container-01 of 01
Zinc	0.06		1	mg/L	01/24/2014 1:45 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
 B = Found in Blank
 D.F. = Dilution Factor D = Results for Dilution
 H = Received/analyzed outside of analytical holding time
 + = ELAP / NELAC does not offer certification for this analyte
 c = Calibration acceptability criteria exceeded for this analyte
 r = Reporting limit > MDL and < LOQ, Value estimated.
 J = Estimated value - below calibration range
 S = Recovery exceeded control limits for this analyte
 N = Indicates presumptive evidence of compound

Stu Murrell
 Sr.Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

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LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Fairchild Corporation

8130 Boone Blvd.
Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 1/20/2014 2:00:00 PM

Received : 1/20/2014 2:45:00 PM

Collected By WIRE TO WATER

Lab No. : 1401831-003A

Client Sample ID: EFFLUENT - 1

Sample Information:

Type : Waste Water

Origin: Effluent

Analytical Method: SW8260 :		Prep Method: 5030C		Analyst: BL	
Parameter(s)	Results	Qualifier	D.F.	Units	Container:
1,1,1-Trichloroethane	< 10		1	µg/L	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	Container-01 of 02
1,1,2-Trichloroethane	< 10		1	µg/L	Container-01 of 02
1,1-Dichloroethane	< 10		1	µg/L	Container-01 of 02
1,1-Dichloroethene	< 10		1	µg/L	Container-01 of 02
1,2-Dichloroethane	< 10		1	µg/L	Container-01 of 02
1,2-Dichloroethene (total)	< 10		1	µg/L	Container-01 of 02
1,2-Dichloropropane	< 10		1	µg/L	Container-01 of 02
2-Butanone	< 10		1	µg/L	Container-01 of 02
2-Hexanone	< 10		1	µg/L	Container-01 of 02
4-Methyl-2-pentanone	< 10		1	µg/L	Container-01 of 02
Acetone	< 10		1	µg/L	Container-01 of 02
Benzene	< 10		1	µg/L	Container-01 of 02
Bromodichloromethane	< 10		1	µg/L	Container-01 of 02
Bromoform	< 10		1	µg/L	Container-01 of 02
Bromomethane	< 10		1	µg/L	Container-01 of 02
Carbon disulfide	< 10		1	µg/L	Container-01 of 02
Carbon tetrachloride	< 10		1	µg/L	Container-01 of 02
Chlorobenzene	< 10		1	µg/L	Container-01 of 02
Chloroethane	< 10		1	µg/L	Container-01 of 02
Chloroform	< 10		1	µg/L	Container-01 of 02
Chloromethane	< 10		1	µg/L	Container-01 of 02
cis-1,3-Dichloropropene	< 10		1	µg/L	Container-01 of 02
Dibromochloromethane	< 10		1	µg/L	Container-01 of 02
Ethylbenzene	< 10		1	µg/L	Container-01 of 02
Freon-113	< 10		1	µg/L	Container-01 of 02
Methylene chloride	< 10		1	µg/L	Container-01 of 02
Styrene	< 10		1	µg/L	Container-01 of 02
Tetrachloroethene	< 10		1	µg/L	Container-01 of 02
Toluene	< 10		1	µg/L	Container-01 of 02
trans-1,3-Dichloropropene	< 10		1	µg/L	Container-01 of 02
Trichloroethene	< 10		1	µg/L	Container-01 of 02
Vinyl chloride	< 10		1	µg/L	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = ELAP / NELAC does not offer certification for this analyte

c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit > MDL and < LOQ, Value estimated.

J = Estimated value - below calibration range

S = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound

Stu Murrell
Sr. Project Manager

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LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Fairchild Corporation

8130 Boone Blvd.
 Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 1/20/2014 2:00:00 PM

Received : 1/20/2014 2:45:00 PM

Collected By WIRE TO WATER

Lab No. : 1401831-003A

Client Sample ID: EFFLUENT - 1

Sample Information:

Type : Waste Water

Origin: Effluent

<u>Analytical Method:</u> SW8260 :		<u>Prep Method:</u> 5030C				<u>Analyst:</u> BL	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>		<u>Analyzed:</u>	<u>Container:</u>
Xylene (total)	< 10		1	µg/L		01/25/2014 3:21 AM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	117		1	%REC	Limit 53-183	01/25/2014 3:21 AM	Container-01 of 02
Surr: 4-Bromofluorobenzene	112		1	%REC	Limit 63-140	01/25/2014 3:21 AM	Container-01 of 02
Surr: Toluene-d8	98.3		1	%REC	Limit 60-135	01/25/2014 3:21 AM	Container-01 of 02

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Stu Munnell
 Sr.Project Manager

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Results for the samples and analytes requested

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Fairchild Corporation

8130 Boone Blvd.
 Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 1/20/2014 2:00:00 PM

Received : 1/20/2014 2:45:00 PM

Collected By WIRE TO WATER

Lab No. : 1401831-003B

Client Sample ID: EFFLUENT - 1

Sample Information:

Type : Waste Water

Origin: Effluent

<u>Analytical Method:</u> SM4500-H B : IOC					<u>Analyst:</u> MW	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
pH	6.8	H	+	1	01/20/2014 5:51 PM	Container-01 of 01
pH Temperature	20.5	H	+	1	01/20/2014 5:51 PM	Container-01 of 01
<u>Analytical Method:</u> SM2540C : IOC					<u>Analyst:</u> CO	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Total Dissolved Solids	108			1 mg/L	01/22/2013 10:57 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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 Sr. Project Manager

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Fairchild Corporation

**8130 Boone Blvd.
Vienna, VA 22118-2640**

Attn To : Donald Miller

Collected : 1/20/2014 2:00:00 PM

Received : 1/20/2014 2:45:00 PM

Collected By WIRE TO WATER

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Sample Information:

Type : Waste Water

Origin: Effluent

Lab No. : 1401831-003C
Client Sample ID: EFFLUENT - 1

<u>Analytical Method:</u> E200.7 :		<u>Prep Method:</u> E200.7		<u>Prep Date:</u> 1/21/2014 8:25:36 AM		<u>Analyst:</u> CM
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Analyzed:</u>	<u>Container:</u>
Iron	0.20		1	mg/L	01/21/2014 5:39 PM	Container-01 of 01
Manganese	0.10		1	mg/L	01/21/2014 5:39 PM	Container-01 of 01
Zinc	< 0.02		1	mg/L	01/21/2014 5:39 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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D.F. = Dilution Factor D = Results for Dilution
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Sr. Project Manager

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LABORATORY RESULTS

Results for the samples and analytes requested

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Fairchild Corporation

8130 Boone Blvd.
 Vienna, VA 22118-2640

Attn To : Donald Miller

Collected : 1/20/2014 2:00:00 PM

Received : 1/20/2014 2:45:00 PM DISSOLVED

Collected By WIRE TO WATER

Lab No. : 1401831-003D

Client Sample ID: EFFLUENT - 1

Sample Information:

Type : Waste Water

Origin: Effluent

Analytical Method: E200.7 :		Prep Method: E200.7		Prep Date: 1/21/2014 1:50:05 PM		Analyst: CM	
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:	
Iron	0.05		1	mg/L	01/24/2014 1:51 PM	Container-01 of 01	
Manganese	0.10		1	mg/L	01/24/2014 1:51 PM	Container-01 of 01	
Zinc	0.06		1	mg/L	01/24/2014 1:51 PM	Container-01 of 01	

Qualifiers: E = Value above quantitation range, Value estimated.
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 Sr. Project Manager

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PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **FAIR**

Date and Time Received: **1/20/2014 2:45:00 PM**

Work Order Number: **1401831**

RcptNo: **1**

Received by **Melissa Watson**

Completed by:

M. Watson

Reviewed by:

Samuel Car

Completed Date:

1/20/2014

Reviewed Date:

1/24/2014 10:23:15 AM

Carrier name: Client

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Are matrices correctly identified on Chain of custody?

Yes ☒

No ☐

Is it clear what analyses were requested?

Yes ☒

No ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Samples in proper container/bottle?

Yes ☒

No ☐

Were correct preservatives used and noted?

Yes ☒

No ☐

NA ☐

Preservative added to bottles:

Sample Condition?

Intact ☒

Broken ☐

Leaking ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

Were container labels complete (ID, Pres, Date)?

Yes ☒

No ☐

All samples received within holding time?

Yes ☐

No ☒

Was an attempt made to cool the samples?

Yes ☒

No ☐

NA ☐

All samples received at a temp. of > 0° C to 6.0° C?

Yes ☒

No ☐

NA ☐

Response when temperature is outside of range:

Sample Temp. taken and recorded upon receipt?

Yes ☒

No ☐

To 4.1 °

Water - Were bubbles absent in VOC vials?

Yes ☒

No ☐

No Vials ☐

Water - Was there Chlorine Present?

Yes ☐

No ☐

NA ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

No Water ☐

Are Samples considered acceptable?

Yes ☒

No ☐

Custody Seals present?

Yes ☐

No ☒

Airbill or Sticker?

Air Bil ☐

Sticker ☐

Not Present ☒

Airbill No:

Case Number:

SDG:

SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☒ NA

Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted:

Contacted By:

Regarding:

Comments:

The samples were received outside the analytical holding time for pH.

CorrectiveAction: