Gannett Fleming

Excellence Delivered As Promised

January 28, 2020
File # 55929.005

Mr. Matthew Vitale
Bureau of Remediation and Redevelopment
Wisconsin Department of Natural Resources, WCR
1300 West Clairemont Avenue
Eau Claire, WI 54702-4001

Re: **Annual Operations & Maintenance Report**
November 2018 - October 2019
WRR Environmental Services
WDNR BRRTS No. 02-18-000274
WDNR FID No. 618 026 530
EPA ID No. WID 990 829 475

Dear Mr. Vitale:

On behalf of WRR Environmental Services Co. Inc. (WRR), the enclosed *Operations & Maintenance* (O&M) report summarizes remedial and groundwater monitoring activities at its facility in Eau Claire during the period November 2018 through October 2019. This O&M report follows Gannett Fleming, Inc.'s April 2013 *Corrective Action Plan*, which contained a detailed summary of remedial and monitoring activities through March 2013; our June 2014 *Evaluation of Corrective Measures and Plan of Activities* report, which contained an evaluation and summary of remedial and monitoring activities through March 2014; and our most recent January 15, 2019, *O&M Report* which contained a summary of remedial and monitoring activities through October 2018.

Submittal of this annual O&M report is required by WRR's RCRA license. The executive summary describes the work conducted during this reporting period and refers the reader to previous reports for historical details. For brevity, narrative sections discussing site background data and operations have been removed except as they pertain to trends in contaminant concentrations and their estimated extent in groundwater. However, the report does include more tables and charts for tracking purposes, evaluation, and reference.

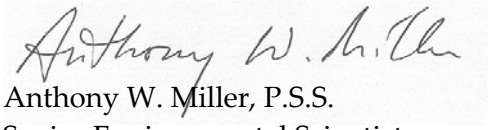
Included with the report is a copy of the Wisconsin Department of Natural Resources' (WDNR's) *Remediation Site Operation, Maintenance, Monitoring & Optimization Report* Form 4400-194, and a signed copy of the engineer and hydrogeologist certification form, as required by NR 712.07(1) of the Wis. Adm. Code. An electronic copy of this cover letter and O&M report have been uploaded to the WDNR portal and a hard copy of both documents will be shipped to you. However, as in the past, we will not provide hard copies of the 1013 pages of laboratory reports (Appendices A, B, and D) unless requested.

Gannett Fleming, Inc.
8040 Excelsior Drive, Suite 303, Madison, WI 53717
t 608.327.5050
www.gannettfleming.com

The next O&M report will be submitted to the WDNR by January 15, 2021, and will include the analytical results of all sampling and remedial activities conducted from November 2019 through October 2020. In the meantime, please call if you have any questions or need additional information.

Sincerely,

GANNETT FLEMING, INC.



Anthony W. Miller, P.S.S.
Senior Environmental Scientist

AWM/jec/Enc.

ecc: Jim Hager, Bob Fuller, Becky Anderson (WRR)
Mike Ellenbecker (WDNR – Waste and Materials Management Specialist)
Douglas Coenen (WDNR – Hazardous Waste Specialist)

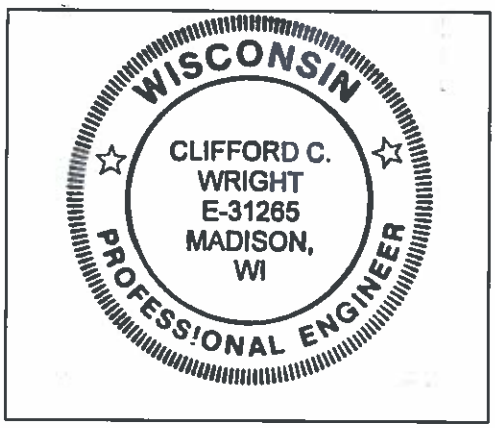
Gannett Fleming

ENGINEERING AND HYDROGEOLOGIST CERTIFICATIONS

I hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print Name Clifford C. Wright	Title Project Engineer
Signature Clifford C. Wright	Date 1/28/2020

P.E. Seal for E-31265:



I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print Name Clifford C. Wright	Title Project Geologist
Signature Clifford C. Wright	Date 1/28/2020

Gannett Fleming

Excellence Delivered As Promised

Prepared for:

WRR ENVIRONMENTAL SERVICES

EAU CLAIRE, WISCONSIN

ANNUAL OPERATIONS & MAINTENANCE REPORT

NOVMEBER 2018 – OCTOBER 2019

EAU CLAIRE, WISCONSIN

WDNR BRRTS No. 02-18-000274

WDNR FID No. 618 026 530

EPA ID No. WID 990 829 475

PROJECT #55929.005

JANUARY 2020

Office Location:

Gannett Fleming, Inc.

8040 Excelsior Drive, Ste 303

Madison, Wisconsin 53717

Office Contacts:

Anthony W. Miller, P.S.S.

Clifford C. Wright, P.G, P.E

(608) 327-5050

EXECUTIVE SUMMARY 1

1.0 RECOVERY WELL Operation (NOVEMBER 2018 through October 2019) 5
1.1 Recovery Wells RW-2, RW-4, RW-8 and RW-9 6
1.2 Recovery Well RW-6 6
1.3 Recovery Well RW-7 6
1.4 Recovery Well RW-10 6
1.5 Recovery Well RW-11 6
1.6 Recovery Well RW-12 6
1.7 Recovery Well RW-13 7
1.8 Production Well 7

2.0 AIR INJECTION AND SOIL VAPOR EXTRACTION SYSTEMS 8
2.1 Southern, Middle and Northern AI/SVE Systems 8
2.2 Main SVE System – RW-10, RW-11, & SVE-4 8
2.3 SVE-5 – Warehouse A 8

3.0 GROUNDWATER SAMPLING (DECEMBER 2018 THROUGH October 2019) 9
3.1 Semi-Annual Groundwater Monitoring Results 9
3.2 Estimated Extent of Dissolved-Phase Contamination 10

4.0 EVALUATION OF REMEDIATION SYSTEMS 12
4.1 Trends in Contaminant Concentrations in Groundwater 12
4.1.1 Monitoring Wells 12
4.1.2 Recovery Wells 14
4.1.3 In Situ Reductive Dechlorination Wells 15
4.2 SVE Systems 17
4.2.1 Main SVE System – RW-10, RW-11, & SVE-4 17
4.2.2 SVE-5 Vent System 18
4.2.3 SVE-6 18

5.0 Future Activities and Schedules 20
5.1 Monitoring and Remedial Activities - November 2019 to October 2020 20
5.2 Remedial Goals & Activities Required to Achieve Site Closure 21
5.2.1 Remedial Goals 21
5.2.2 Ongoing Remedial Activities 22
5.2.3 Schedule 23

DRAWINGS

No.	Description
1	Cross Section A-A' with Estimated Vertical Extent of VOC Plumes

FIGURES

No.	Description
1	Location Map
2	Aerial Photo of the Site
3	Seep and Monitoring Well Location Map
4	Boring and Well Locations
5	Off-Site and Select Monitoring Well Locations
6	Estimated Extent of CVOCs in Shallow Aquifer on Site (May-October 2019)
7	Estimated Extent of Chlorinated VOCs in Shallow Aquifer (May-October 2019)
8	Estimated Extent of Chlorinated VOCs in Mid-Depth Aquifer (May-October 2019)
9	Estimated Extent of Chlorinated VOCs in Deep/Bedrock Aquifer (May-October 2019)
10	Estimated Extent of Alcohols and Ketones in Shallow Aquifer on Site (May-October 2019)
11	Estimated Extent of Alcohols and Ketones in Mid-Depth Aquifer (October 2019)
12	Estimated Extent of Petroleum-Related Compounds in Shallow Aquifer (May-October 2019)
13	Estimated Extent of Petroleum-Related Compounds in Mid-Depth Aquifer (May-October 2019)
14	Estimated Extent of Petroleum-Related Compounds in Deep/Bedrock Aquifer (October 2019)
15	Northern Area Injection Boring Locations
16	Southeastern Area Injection Boring Locations

TABLES

No.	Description
1	Summary of Detected Compounds in RW-2, RW-4, RW-8 & RW-9 (June 2013 – July 2019)
2	Estimated Volume of Water & Mass of VOCs Removed by RW-2, RW-4, RW-8, & RW-9 (May 2016 - July 2019)
3	Summary of Detected Compounds in RW-6 (October 2013 – October 2019)
4	Estimated Volume of Water Pumped & Mass of VOCs Removed by RW-6
5	Summary of Detected Compounds in RW-7 (August 2012 – May 2019)
6	Estimated Volume of Water Pumped & Mass of VOCs Removed by RW-7
7	Summary of Detected Compounds in RW-10 (December 2014 – October 2019)
8	Estimated Mass of VOCs Removed by RW-10
9	Summary of Detected Compounds in RW-11 (December 2014 – October 2019)
10	Estimated Mass of VOCs Removed by RW-11
11	Summary of Detected Compounds in RW-12 (August 2017 – October 2019)

12 Estimated Mass of VOCs Removed by RW-12
13 Summary of Detected Compounds in RW-13 (August 2017 – October 2019)
14 Estimated Mass of VOCs Removed by RW-13
15 Summary of Detected Compounds in WRR Production Well (May 2011 – October 2019)
16 Estimated Mass of VOCs Removed by Production Well
17 Summary of VOCs Detected in Exhaust/Soil Gas Samples Collected During/After SVE Pilot Tests
18 Estimated Air Emissions of PCE, Total HAPs, and Total VOCs From the SVE System
19 Summary of VOCs Detected in SVE-5 Exhaust Gas Samples
20 Estimated Air Emissions of Total HAPs and Total VOCs from SVE-5
21 Groundwater Monitoring Schedule
22 Groundwater Elevations (May 2018 – October 2019)
23 Measured Vertical Gradient (October 2018 – October 2019)
24 Summary of Detected Compounds in AS-1, SVE-2, and GP_36
25a-d Summary of Detected Compounds in [W-32, W-33, W-34, SVE-4] (May 2017 – October 2019)
26 Summary of Detected Compounds in W-35 (October 2018 – October 2019)
27 Groundwater DNA Analysis Summary
28 RNA Scoresheet
29 Summary of VOCs Detected in Soil Gas Samples Collected from W-32, W-34, & SVE-7

APPENDICES

A Laboratory Reports for Water Samples Collected from Recovery Wells and WRR's Production Well (November 2018 through October 2019)
B Laboratory Reports and Chain of Custody Records for SVE Exhaust Gas Samples (December 2018 Through October 2019)
C Relevant Pages of the WDNR's "Operation, Maintenance, Monitoring and Optimization Reporting of Soil and Groundwater Remediation Systems" Form 4400-194
D Laboratory Reports, Chain of Custody Records, and Summaries of VOCs Exceeding NR 140 Preventative Action Limits and/or Enforcement Standards for May and October 2019 Sampling Events
E WRR Tables Containing Analytical Results of May and October 2019 Groundwater Samples and Previous Results Dating Back to May 2009
F Charts with Trends in VOC Concentrations Measured in:
- Recovery Wells (F-1)
- In Situ Reductive Dechlorination Wells (F-2)
- Exhaust Gas Samples Collected from SVE Systems (F-3)

LIST OF ACRONYMS AND ABBREVIATIONS

AI	air injection
CVOC	chlorinated volatile organic compound
DCA	dichloroethane compound (e.g., 1,1-dichloroethane)
DCE	dichloroethylene compounds (e.g, 1,1-dichloroethylene)
DHBt	*dehalobacter* microbes
DHC	*dehalococcoides* microbes
DNA	deoxyribonucleic acid
DO	dissolved oxygen
DPE	dual-phase extraction
ES	Enforcement Standard (WAC NR 140)
gal/lb VOC	gallons/pound of volatile organic compound removed
GF	Gannett Fleming, Inc.
gpm	gallons per minute
HAP	hazardous air pollutant
hp	horsepower
J	Reported value fell below the Limit of Quantitation set by the lab (results qualifier)
lbs	pounds
lb/yr	pounds per year
MEE	methane, ethane, and ethene
MW	monitoring well
µg/ℓ	micrograms per liter
O&M	operation and maintenance
ORP	oxidation reduction potential
PAL	Preventative Action Limit (WAC NR 140)
PCE	tetrachloroethylene
PRC	petroleum-related compounds
RD	reductive dechlorination
RNA	remediation by natural attenuation
RW	recovery well
SVE	soil vapor extraction
TCA	trichloroethane compounds (e.g., 1,1,1-trichloroethane)
TCE	trichloroethylene
TOC	total organic carbon
VOCs	volatile organic compounds
WAC	Wisconsin Administrative Code
WDNR	Wisconsin Department of Natural Resources
WRR	WRR Environmental Services Co. Inc.

EXECUTIVE SUMMARY

A summary of the remediation and monitoring work completed at the subject site during the November 2018 through October 2019 reporting period follows.

- Volatile organic compounds (VOCs) are being actively removed from the groundwater by the operation of recovery wells RW-2, RW-4, and RW-6 through RW-12 and WRR's production well. Collectively, 11 wells comprising the "groundwater remediation system" operated during this reporting period.
- **In total, approximately 11.6 million gallons of water containing 1,314 lbs of VOCs were pumped from the recovery wells and production well during this reporting period.** Below is a table summarizing the volume of water and estimated mass of VOCs removed by each well from November 2018 through October 2019 calculated using the meter readings and VOC concentrations measured on the dates the wells were sampled. Also summarized is the range in average flow rates for each well in gallons per minute (gpm) and their operational history during this reporting period.

Well ID	Volume Pumped (gallons)	Mass of VOC Removed (lbs)	Ave Flow Rate (gpm)
RW-2, -4, -8 & -9	653,880	0.1	0.2 - 2.2
RW-6	373,930	54	0.1 – 2.2
RW-7	1,522,480	7.7	3.9 – 5.4
RW-10	259,860	336	0.1 – 1.7
RW-11	429,855	67	0.6 – 0.9
RW-12	837,750	509	0.8 – 1.8
RW-13	373,285	339	0.4 – 1.8
Production	7,171,400	0.7	9.7 – 14.6
Total	11,622,440	1,314	15.9 – 30.6

Recovery wells RW-2, RW-4, RW-8, and RW-9 share a common flow meter with RW-10. RW-10 also has a separate flowmeter at its well head, and the volume of water pumped by RW-10 is subtracted from the combined flowmeter reading to determine the volume of water pumped by RW-2, RW-4, RW-8, and RW-9. All other wells have their own individual flow meters and sampling ports.

Figure 1 is a location map, and Figure 2 provides an aerial photo of the site. Figures 3 and 4 show the locations of the recovery wells listed above. No water was pumped from recovery wells RW-1, RW-3, or RW-5 during this reporting period. See Gannett Fleming's (GF's) April 2012 *Corrective Action Plan* and September 2017 *Semiannual Operations & Maintenance Report* for a summary of the historical operations of the groundwater remediation system. The following tables summarize the VOC concentrations measured in each recovery well dating back to August 2012, a month after the groundwater pump-and-treat system was restarted,

and the total mass of VOCs removed by the recovery wells during this and previous reporting periods:

- Table 1 presents the VOC concentrations measured in RW-2, RW-4, RW-8, and RW-9.
- Table 2 presents the total mass of VOCs removed by RW-2, RW-4, RW-8, and RW-9.
- Table 3 presents the VOC concentrations measured in RW-6.
- Table 4 presents the total mass of VOCs removed by RW-6.
- Table 5 presents the VOC concentrations measured in RW-7.
- Table 6 presents the total mass of VOCs removed by RW-7.
- Table 7 presents the VOC concentrations measured in RW-10.
- Table 8 presents the total mass of VOCs removed by RW-10.
- Table 9 presents the VOC concentrations measured in RW-11.
- Table 10 presents the total mass of VOCs removed by RW-11.
- Table 11 presents the VOC concentrations measured in RW-12.
- Table 12 presents the total mass of VOCs removed by RW-12.
- Table 13 presents the VOC concentrations measured in RW-13.
- Table 14 presents the total mass of VOC removed by RW-13.
- Table 15 presents the VOC concentrations measured in WRR's Production Well
- Table 16 presents the total mass of VOCs removed by WRR's Production Well.

Appendix A contains the analytical results of samples collected from the recovery wells during this reporting period.

- VOCs were removed from the soil by dual-phase extraction (DPE) wells RW-10 and RW-11 and by soil vapor extraction (SVE) well SVE-4, which were connected to the same vacuum blower, and SVE-5, which is connected to its own vacuum blower. The SVE system connected to RW-10, RW-11, and SVE-4 was shut down on November 1, 2018, due to elevated concentrations of tetrachloroethylene (PCE) measured in its exhaust gas, which exceeded the NR 445 PCE emission threshold for stacks under 25 ft. The stack height for the exhaust connected to the blower venting RW-10, RW-11, and SVE-4 was raised to 27 ft, and the blower for that system restarted on March 19, 2019.

  Through October 17, 2019, approximately 8,371 lbs of VOCs were removed from RW-10, RW-11, and SVE-4 by the main SVE system. Of that total, approximately 1,512 lbs of VOCs were removed between November 2018 and October 2019. Table 17 presents a summary of the VOCs detected in the exhaust gas samples collected from the main SVE system connected to SVE-4, RW-10, and RW-11 during this reporting period. Table 18 presents the estimated air emissions of PCE, hazardous air pollutants (HAPs), and VOCs removed by the main SVE system through October 17, 2019.

  Through October 17, 2019, approximately 189 lbs of VOCs were removed by the blower connected to SVE-5, which started full-time operation on August 5, 2019. Tables 19 and 20 present a summary of the VOC detected in exhaust gas samples collected from and the

estimated air emissions of HAPs and VOCs removed by SVE-5, respectively. Appendix B contains the laboratory reports that show the analytical results of all SVE exhaust gas samples collected during this reporting period.

- The northern, middle, and southern air injection (AI) and SVE systems, which were turned off with the approval of the Wisconsin Department of Natural Resources (WDNR) on March 4, 2013, were not operational during this reporting period. See Figure 4 for the locations of the three AI/SVE systems.
- Since October 2014, water pumped from all recovery wells, except RW-11, is treated by a turbo air stripper before being discharged to a 360,000-gallon aeration reservoir. The water pumped from RW-11 and the production well is used as process water for the facility before being discharged directly to the aeration reservoir. Water in the aeration reservoir is discharged to an absorption pond located just south of the WRR facility. Figure 4 shows the locations of the turbo stripper building and 360,000-gallon aeration reservoir.
- Discharge samples from the aerated reservoir (outfall 002) were collected on a bi-monthly basis, and the concentrations of all compounds were below limits in WRR's WPDES permit No. WI-0058718-05-0 dated December 7, 2017, which authorizes discharge from the aerated reservoir for the period January 1, 2018, through December 31, 2022. The results of discharge samples are submitted to the WDNR per WRR's WPDES permit. Appendix C contains the relevant pages of the WDNR's "Operation, Maintenance, Monitoring and Optimization Reporting of Soil and Groundwater Remediation Systems" Form 4400-194.
- Groundwater samples were collected from the on-site wells and the wells located in the Lowes Creek Park in May through October 2019. Figure 3 shows the locations of the wells sampled during this reporting period. All groundwater samples were analyzed for VOCs. With a few minor exceptions, VOC concentrations measured in the groundwater samples collected from on- and off-site wells during this reporting period exhibited a stable or decreasing trend when compared to previous VOC concentrations. Appendix D contains the laboratory reports and summaries of the compounds measured at concentrations exceeding their NR 140 preventative action limits (PAL) and enforcement standards (ES) in groundwater samples collected during this reporting period. Appendix E contains tables that list the analytical results of groundwater samples collected during this and previous reporting periods dating back to May 2009.
- Reducing reagents were injected into the groundwater in the northern and southeastern portions of the facility in August 2019. The second phase of full-scale injections in the northern portion of the of the facility consisted of injecting 11,000 gallons of reagent mixture into 22 borings and SVE-4. The first phase of injections in the southeastern portion of the facility consisted of injecting 6,000 gallons of reagent mixture into 12 borings.
- Additional groundwater samples were collected from wells W-32 through W-35 and/or SVE-4 from December 2018 through October 2019 and analyzed for dechlorinating bacteria, total organic carbon, alkalinity, nitrate, sulfate, and dissolved iron and manganese to determine the aquifer's response to the pilot-injection activities. Based on the analytical results of those

samples and the in-situ measurement of remediation by natural attenuation (RNA) field parameters (dissolved oxygen [DO], pH, conductivity, temperature, and oxidation-reduction potential (ORP]), the aquifer in that area is conducive to microbial-facilitated reductive dechlorination. PCE and trichloroethylene (TCE) concentrations in groundwater samples collected from W-34 decreased by over two orders of magnitude to non-detectable concentrations between June 2018 and October 2019. Though less significant, PCE, TCE, and/or total VOC concentrations also decreased between two- and ten-fold in W-32, W-33, W-35, and SVE-4 during the same time period.

- Water samples were collected from private off-site wells PW-11 and PW-16 in May 2019. The analytical results of the water samples collected were submitted to the private well owners and the WDNR on August 30, 2019.

Below is a more detailed discussion of soil and groundwater remediation system operations through October 2019 and the May and October 2019 groundwater sampling results.

1.0 RECOVERY WELL OPERATION (NOVEMBER 2018 THROUGH OCTOBER 2019)

Recovery wells RW-1, RW-3, and RW-5, which have not operated since 2007, were not pumped during this reporting period. With the exceptions noted below, recovery wells RW-2, RW-4, and RW-6 through RW-12 and the production well operated continuously with minor downtime for repairs or maintenance.

- The production well and all recovery wells were turned off from December 31, 2018, through January 3, 2019, when the facility was shut down for the New Year holiday.

- Below is a summary of the pumping activities for each of the recovery wells and the production well during this reporting period.

Well ID	Volume Pumped (gallons)	VOC Mass Removed (lbs)	Removal Efficiency (gal/lb VOC)
RW-2, -4, -8 & -9	653,880	0.1	6,538,800
RW-6	373,930	54	6,925
RW-7	1,522,480	7.7	197,725
RW-10	259,860	336	773
RW-11	429,855	67	6,416
RW-12	837,750	509	1,646
RW-13	373,285	339	1,101
Production	7,171,400	0.7	10,244,857

Well ID	Operational History – November 2018 through October 2019
RW-2, -4, -8 & -9	With minor exceptions, RW-8 & RW-9 operated continuously while the facility was in operation. RW-2 and RW-4 were shut down on May 4 and remained off through October 31, 2019.
RW-6	Off 200 days from 11/8/18 to 5/28/19 and 6/5/19 to 7/12/19 when the electrical system was repaired – then on continuously through 10/31/19
RW-7	Off 173 days from 5/11/19 through 10/31/19 due to pump failure
RW-10	Off 250 days from 11/5/18 through 7/2/19 due to pump and wiring failures
RW-11	Pumped continuously while facility was in operation
RW-12	Pumped continuously while facility was in operation
RW-13	Off 103 days: Pumped briefly from 1/17/19 to 1/24/19 then off until 4/8/19 when it was restarted and pumped intermittently through 10/31/19
Production	Pumped continuously while facility was in operation

Refer to Tables 1 through 16 for VOC concentrations measured in and the mass of VOCs removed by each recovery well and WRR's production well. Additional details regarding the operation of each recovery well are discussed below.

1.1 Recovery Wells RW-2, RW-4, RW-8 and RW-9

Recovery wells RW-2, RW-4, RW-8, and RW-9 share a common flow meter with RW-10 and RW-12. RW-10 and RW-12 also have separate flowmeters at their well heads, and the volume of water pumped by RW-10 and RW-12 is subtracted from the combined flowmeter reading to determine the volume of water pumped by RW-2, RW-4, RW-8, and RW-9.

With minor exceptions, RW-8 and RW-9 pumped continuously during this reporting period. RW-2 and RW-4 were off from May 4 through October 31, 2019, due to low flow and failed parts. WRR does not plan to repair or restart RW-2 or RW-4.

1.2 Recovery Well RW-6

RW-6 operated as follows during this reporting period:

- RW-6 operated from:
  - November 1 through 7, 2018, when it was turned off because of a frozen line.
  - May 29 through June 4, 2019, when it was turned off to replace its timer.
  - July 13 through October 31, 2019.

1.3 Recovery Well RW-7

RW-7 operated continuously from November 1, 2018, through May 10, 2019, when it stopped pumping due to a failed pump and electrical wiring and remained off through October 31, 2019.

1.4 Recovery Well RW-10

RW-10 operated continuously from November 1 through 4, 2018, and from July 3 through October 31, 2019. RW-10 was offline between November 5, 2018, and July 2, 2019, due to a failed pump and faulty electrical wiring. The pump and wiring were repaired on July 2, 2019, and RW-10 operated continuously through October 31, 2019.

1.5 Recovery Well RW-11

RW-11 operated continuously while the facility was operating during this reporting period. However, the flow meter was plugged between May 10 and June 10, 2019. Therefore, the gallons pumped and mass of VOCs removed in Tables 9 and 10 are underestimated.

1.6 Recovery Well RW-12

RW-12 pumped continuously while the facility was operating during this reporting period.

1.7 Recovery Well RW-13

RW-13 was off from November 1, 2018, through January 17, 2019, then pumped briefly over the next week to gauge the flow rate and VOC concentrations in the well. RW-13 was off from January 24 through April 8, 2019, when it was operated intermittently to control VOC concentrations in the reservoir.

1.8 Production Well

The production well for WRR was pumped as needed every day the facility was in operation at an average flow rate of 9.7 to 14.6 gpm based on the daily flow totals during this reporting period. However, the production well is pumped at variable rates on an as-needed basis, with significant periods when it is off, so the flow rate when it is pumping is generally higher than 14.6 gpm. During periods of peak demand, the production well pumps at 60 gpm.

2.0 AIR INJECTION AND SOIL VAPOR EXTRACTION SYSTEMS

2.1 Southern, Middle and Northern AI/SVE Systems

The southern, middle, and northern AI/SVE systems installed in 2004-2006 were turned off with the approval of the WDNR on March 4, 2013, and have not operated since then.

2.2 Main SVE System – RW-10, RW-11, & SVE-4

The main SVE vacuum blower (Rotron Model EN858 with 7.5-hp motor) previously used for the AI/SVE systems was connected to DPE wells RW-11 and RW-10 on July 6 and September 13, 2016, respectively. On October 1, 2018, dual-purpose well SVE-4 was connected to the blower. The main SVE system was shut down on November 1, 2018, due to elevated concentrations of PCE measured in its exhaust gas, which exceeded the NR 445 PCE emission threshold of 301 lb/yr for stacks under 25 ft. The stack height for the exhaust gas discharge connected to the main SVE blower was raised to 27 ft, and the blower for that system restarted on March 19, 2019. In total, the main SVE system operated for 227 of the 365 days of this reporting period.

Exhaust gas samples from the main SVE blower were collected on eight occasions from March 19 through October 17, 2019. Table 17 lists the VOCs that were detected in one or more of the main SVE exhaust gas samples since it began operating. Based on the concentrations of VOCs measured in the exhaust gas samples, the main SVE system removed approximately 8,371 lbs of VOCs between July 6, 2016, and October 17, 2019. Of that total, approximately 1,570 lbs of VOCs were removed between March 19 and October 17, 2019, the last sample collected during this reporting period. Table 18 presents the estimated air emissions of PCE, HAPs, and total VOCs from the main SVE system through November 4, 2019.

2.3 SVE-5 – Warehouse A

A relatively small vacuum blower (Rotron Model EN303 with 0.5-hp motor) was connected to SVE-5 located next to Warehouse A in the southwestern corner of the WRR facility and began full-time operation on August 5, 2019. Figure 4 shows the location of SVE-5. Exhaust gas samples were collected from the SVE-5 blower daily for the first three days of operation, weekly for the next three weeks, and then monthly for the remainder of this reporting period. Table 19 lists the VOCs that were detected in one or more of the SVE-5 exhaust gas samples since it began operating. Based on the concentrations of VOCs measured in the exhaust gas samples, the SVE-5 system removed approximately 189 lbs of VOCs between August 5 and October 17, 2019. Table 20 presents the estimated air emissions of HAP and total VOCs from the SVE-5 system through November 4, 2019.

3.0 GROUNDWATER SAMPLING (DECEMBER 2018 THROUGH OCTOBER 2019)

Groundwater samples were collected during this reporting period on the following dates:

- On December 11, 2018, samples were collected from W-32 through W-34 and SVE-4 for VOC analyses. RNA field parameters measured in each well include DO, ORP, pH, temperature, and conductivity. Additional RNA samples were collected from W-32 and W-34 for laboratory analyses of methane, ethane, and ethene (MEE), dissolved iron and manganese, alkalinity, sulfate, nitrate, total organic carbon (TOC), and *dehalococcoides* (DHC) and *dehalobacter* (DHBt) microbes. These samples were collected to evaluate the effects of the injection of reducing reagents conducted in the northern portion of the facility in June and October 2018.
- On March 26, 2019, samples were collected from AS-1 and SVE-2 in the middle AI/SVE system for VOC analyses. These samples were collected to determine the groundwater quality in that area of the facility.
- On March 27, 2019, samples were collected from W-32 through W-25 and SVE-4 for VOCs and RNA analyses. Samples were also collected for DHC and DHBt analyses from W-32, W-34, and W35.
- On May 21 through 23, 2019, samples were collected from the wells and seeps listed in Table 21 as part of the annual groundwater monitoring program. All samples were analyzed for VOCs. Samples collected from W-32 and W-34 were also analyzed for DHC and DHBt, MEE, sulfate, alkalinity, and TOC.
- On July 2, 2019, samples were collected from RW-8 and SVE-4 for VOC analyses. Additional samples were collected from SVE-4 for DHC and DHBt and RNA analyses.
- On October 22 and 23, 2019, samples were collected from wells listed on Table 21 as part of the semi-annual monitoring program. All samples were analyzed for VOCs. Samples collected from W-32 through W-35 and SVE-4 were also analyzed for RNA parameters. Additional samples were collected from W-32 and W-35 for DHC and DHBt analyses.

The groundwater samples collected from December 2018 through October 2019 were submitted to ALS Environmental of Holland, Michigan, or Pace Analytical Laboratory of Green Bay, Wisconsin, and analyzed for VOCs using Method 8260.

3.1 Semi-Annual Groundwater Monitoring Results

Table 22 includes groundwater elevations based on depth-to-water measurements recorded in May and October 2019. Figures 5 through 7 of GF's June 2014 *Evaluation of Corrective Measures and Plan of Activities* show the groundwater contours in the shallow, mid-depth, and deep/bedrock aquifers based on elevations measured in June 2013. Based on the groundwater elevations measured in site wells, the groundwater flow direction is to the west toward Lowes Creek, as shown on the figures referenced above. However, as shown on Figure 5 of the June 2014 report, there is a pronounced mounding effect caused by the discharge of treated water from the

aerated reservoir to the absorption pond located off the southwest corner of the WRR facility. That mounding effect, combined with the pumping of groundwater from the on-site production well, creates a relatively steep downward vertical gradient on site and helps to keep VOCs in the shallow aquifer from migrating off site. May and October 2019 groundwater elevation data are consistent with previous results, indicating that the overall flow direction is to the west towards Lowes Creek with the local mounding, as described above.

Table 23 summarizes the estimated vertical gradients within each of the on- and off-site well nests based on elevations measured during the reporting period. During the reporting period, downward vertical gradients ranged from 0.04 to 0.41 in on-site well nests W-1/A/D, W-2/B/A, W-3/B/A, W-7/A, and W-31A/B. Relatively steep downward vertical gradients ranging from 0.09 to 0.84 were also measured in off-site well nests W-17/-17A/-17B, W-18/-18A, MW-104/-104A, and MW-106/-106A. The downward vertical gradient measured in the off-site well nests listed above are likely partially influenced by the pumping of groundwater from recovery wells RW-6 and RW-7, which are screened in the mid-depth aquifer.

The vertical gradients measured in off-site well nests closest to Lowes Creek were upward and ranged from 0.01 to 0.11 in MW-111/A/B and 0.0015 to 0.0228 in MW-113/A/B. The upward vertical gradients measured in the MW-111 and MW-113 well nests are consistent with previous measurements and indicate the regional groundwater is discharging to Lowes Creek.

3.2 Estimated Extent of Dissolved-Phase Contamination

Figure 6 shows the estimated extent of chlorinated VOCs (CVOCs) measured at concentrations greater than their NR 140 ESs in the shallow groundwater samples collected on site in May and October 2019. Figures 7 through 9 show the estimated off-site extent of CVOCs in the shallow, mid-depth, and deep/bedrock aquifers, respectively. As shown on Figures 6 and 7, the relatively high concentrations of CVOCs measured in the shallow aquifer on site do not extend very far off site (less than 80 feet), except for 1.7 J micrograms per liter (µg/ℓ) of vinyl chloride in Seep 2N. However, CVOCs in the groundwater at concentrations above their NR 140 ESs:

- Extend to Lowes Creek in the mid-depth , as shown on Figure 8.
- Were measured in deep aquifer at MW-115A and W-17A, located approximately halfway to the creek, as shown on Figure 9.

Figures 10 and 11 show the estimated extent of alcohols and ketones at concentrations above their NR 140 ESs in the shallow and mid-depth aquifers, respectively, based on the most recent sample results measured in groundwater samples collected through October 2019. As shown on Figures 10 and 11, the relatively high concentrations of IPA and ketones measured in the shallow and mid-depth aquifers do not extend off site, likely due to the operation of RW-10, RW-12, and RW-13 and the mounding of groundwater caused by the discharge of water to the absorption pond southwest of WRR. Additionally, when it's operating, recovery well RW-6 is capturing most, if not all, of the ketones in the mid-depth aquifer downgradient of the WRR facility. No ketones or

alcohol were measured at concentrations above their NR 140 ESs in groundwater samples collected from wells screened in the deep/bedrock aquifer in October 2019, so a map showing their extent in the deep/bedrock aquifer was not prepared for this report.

Figures 12, 13, and 14 show the estimated extent of petroleum-related compounds (PRCs) at concentrations above their NR 140 ESs in the shallow, mid-depth, and deep aquifers, respectively, based on concentrations measured in groundwater samples collected in October 2019. Like the other suites of VOCs, the elevated concentrations of PRCs measured in wells screened in the shallow aquifer on site do not extend off site, likely because they are captured by the collective pumping of RW-8 through RW-11 and, to a lesser extent, mid-depth recovery wells RW-12 and RW-13 and the production well. In addition, the mounding effect that the discharge of treated water from the aerated reservoir creates under the southwestern portion of the site helps to keep the VOCs in the shallow aquifer from migrating off site. As with the IPA and ketone plume, we believe that the PRC plume in the mid-depth aquifer is being captured by RW-12, RW-13, and WRR's production well and that the PRC plume in the mid-depth and deep aquifers offsite will decrease in concentration and size with their continued operation.

Based on the groundwater elevations, VOC concentrations and vertical gradients measured in the MW-111 and MW-113 well nests east and west of Lowes Creek, GF believes that the VOCs migrating off site from WRR discharge to Lowes Creek, as discussed in the Conceptual Site Model section of GF's June 2014 *Evaluation of Corrective Measures and Plan of Activities* report. Drawing 1/cross section A-A' included with this report shows the estimated vertical extent of the three dissolved-phase VOC plumes in 2019; screened intervals of key select well nests; and cross sections of the shallow, mid-depth, and deep/bedrock aquifers. Cross-section A-A' runs from well W-4 in the southeastern corner of the WRR property due west along the predominant groundwater flow direction to the creek and ends at the MW-113/A/B well nest located approximately 525 feet west of Lowes Creek (2,800 feet west of WRR).

4.0 EVALUATION OF REMEDIATION SYSTEMS

The following sections discuss the analytical results of samples collected for laboratory analyses or measured in the field used to evaluate the effectiveness of the various remediation systems and activities conducted through October 2019.

4.1 Trends in Contaminant Concentrations in Groundwater

4.1.1 Monitoring Wells

Tables prepared by WRR containing the analytical results of groundwater samples collected from monitoring wells during the reporting period, and previous results dating back to May 2009, are included with this report as Appendix E. As can be seen in the tables in Appendix E, there are three suites of compounds that have been detected in the groundwater at concentrations above their respective NR 140 ESs (alcohols and ketones, CVOCs, and PRCs).

With minor exceptions, the concentrations of the compounds that have been measured in on-site and off-site wells at concentrations above their NR 140 ESs have been stable or decreasing due to the remedial activities that have been conducted over the past seven years. Since July 2012, when groundwater pump-and-treat operations were resumed, VOC concentrations in the groundwater have decreased to levels below the NR 140 ES in the following on- and off-site wells that had previously contained one or more VOCs at concentrations above an NR 140 ES:

On-Site Wells

- Water table wells W-1 and W-5 located along the southern property boundary of the WRR facility.
- Mid-depth piezometer W-2A located along the northern portion of the western property boundary.
- Deep piezometer W-31B screened just above the bedrock surface approximately 35 feet south of WRR's production well.
- WRR's production well screened in the sandstone bedrock beneath the site.

Off-Site Wells

- Water table wells W-18, W-28, and W-29.
- Mid-depth piezometers W-17B.
- Deep piezometers MW-111B and MW-115B.

Additionally, total VOC concentrations in the following wells have decreased by one or more order of magnitude since maximum concentrations were measured since 2008:

On-Site Wells

- TW-1, the water table well located near the former UST location in the southwestern portion of the facility.
- W-1A and W-1D screened in the mid-depth aquifer in the southwestern, downgradient corner of the site.
- W-7 & W-7A, screened in the water table and mid-depth piezometer located along the southern property boundary.
- Mid-depth well W-31A.
- Recovery wells RW-2 and RW-5 screened in the shallow aquifer.

Off-Site Wells

- Mid-depth piezometer W-18A.
- Deep piezometer W-17A.

See Figures 3 and 4 for off- and on-site well locations, respectively, and the tables in Appendix E for VOC concentrations measured in the wells listed above over the last ten years. Wells that contained an increasing trend in VOC concentrations during this reporting period are discussed below:

- Though not a trend per se, the following compounds were measured in the groundwater sample collected from W-4 in May 2019 at concentrations above their NR 140 ES or PALs:
  - Methylene chloride was measured at 97 µg/ℓ, above its NR 140 ES of 5.0 µg/ℓ.
  - 1,2-Dichloroethane (DCA) and TCE were measured at 3.5 µg/ℓ and 1.5 µg/ℓ, respectively, above their NR 140 PAL of 0.5 µg/ℓ.

  W-4 is in the southeastern corner of the WRR facility, upgradient of the VOC sources on site. 1,2-DCA and TCE had not been detected in W-4 over the last 8 years, and a trace of methylene chloride (1.0 µg/ℓ) was detected once in May 2014. However, relatively elevated concentrations of methyl tert-butyl ether and a few other VOCs were also measured in May 2014. See the table in Appendix E for specific compounds and concentrations measured in W-4 in May 2014.

  The reason for the spike in VOC concentrations measured in May 2019 is not known. However, GF believes it may be associated, at least partially, with the relatively wet spring and high water table in 2019 that, combined with the discharge of water from the aeration reservoir, caused the mounding of groundwater beneath the southwestern corner of the WRR facility to push impacted groundwater to the east. Whatever the case, WRR and GF will

closely monitor VOC concentrations in W-4 going forward to determine if additional investigation or remediation in that area is warranted.

- The concentration of toluene measured in off-site mid-depth well W-19R increased from non-detectable concentrations (<0.45 µg/ℓ) in May to 32,000 µg/ℓ in October 2019. With that exception, the concentrations of the other VOCs measured in W-19R were relatively stable the last year. The toluene concentration measured in October 2019 was slightly more than the highest concentration of 31,600 µg/ℓ detected in October 2017. GF believes the rebound in the toluene concentration observed in W-19R in October 2019 may have been due to RW-6 being non-operational for 200 days earlier in this reporting period. RW-6 is approximately 70 ft away and received a new pump and has been operating continuously since July 12, 2019. Monthly samples collected from RW-6 since it was restarted in July 2019 have contained toluene at concentrations ranging from 8,420 to 12,400 µg/ℓ. Based on the elevated concentrations of toluene measured in RW-6, which are likely diluted by "clean" water with no or low toluene concentrations also captured by RW-6, GF believes that toluene and other VOC concentrations in W-19R will decrease with the continued operation of RW-6.

Groundwater samples were collected from AS-1 and SVE-2 in the middle AI/SVE system on March 26, 2019, to measure VOC concentrations in the groundwater in that area. With the exceptions noted below, no VOCs were measured at concentrations above their NR 140 ES; bromoform and methylene chloride were measured at 40 and 47 µg/ℓ in the sample collected from SVE-2, above their NR 140 ES of 4.4 and 5 µg/ℓ, respectively. Table 24 presents a summary of the compounds measured in the groundwater samples collected from AS-1 and SVE-2 in March 2019. Table 24 also includes the analytical results of the groundwater sample collected from Geoprobe boring GP-36 in September 2013, which contained elevated concentrations of numerous VOCs. See Figure 4 for the locations of GP-36, AS-1, and SVE-2. Based on those sample results, the operation of dual-phase extraction well RW-11 is effectively remediating the soil and groundwater in the area where the middle AI/SVE system is located and WRR does not plan to restart the that system or conduct additional remedial activities in that area at this time. Appendix D includes the laboratory report for the samples collected from AS-1 and SVE-2 in March 2019.

4.1.2 Recovery Wells

The following trends in total VOC concentrations have been measured in recovery wells over the last several years:

- Total VOC concentrations measured in RW-6 after it was restarted in June 2019 ranged from 14,584 to 20,490 µg/ℓ, about two to three times higher than the total VOC concentrations measured in November 2018 (6,727 µg/ℓ) before it stopped pumping. See Table 3 for total VOC concentrations measured in RW-6 since it resumed pumping in October 2013.

- With minor exceptions, VOC concentrations have been relatively stable in RW-7, RW-10, and WRR's production well. See Tables 5, 7, and 15 for the total VOC concentrations measured in RW-7, RW-10, and the production well, respectively.

- Total VOC concentrations in RW-11 have not been "stable" but, with the exceptions noted below, fluctuated over the last year within the historical range of 12,990 and 30,430 µg/ℓ measured in RW-11 since it started operating in May 2015. Total VOC concentrations measured from December 2018 through March 2019 ranged between 9,195 µg/ℓ and 12,187 µg/ℓ but then increased between April and October 2019. The increase in VOC concentrations observed in RW-11 between April and October 2019 may have been due to the relatively high water table causing VOCs in the capillary fringe and vadose zone to be released into the groundwater. See Table 9 for total VOC concentrations measured in RW -11 since it was installed in December 2014.

- Total VOC concentrations measured in RW-12 after February 2019 when it began continuous, full-time operation ranged from 64,555 to 83,440 µg/ℓ, less than 16 percent of the maximum total VOC concentration measured in RW-12 in October 2017 (523,592 µg/ℓ), before it began pumping. See Table 11 for total VOC concentrations measured in RW-12 since August 2017.

- VOC concentrations decreased in RW-13 since it started operating full time in April 2019. The total VOC concentration measured in October 2019 (74,936 µg/ℓ) was about half the total VOC concentration measured in RW-13 in October 2017 (143,537 µg/ℓ) before RW-13 became operational. See Table 13 for total VOC concentrations measured in RW-13 since August 2017.

Charts showing total VOC concentrations measured in and mass removed by recovery wells RW-6, RW-7, and RW-10 through RW-13 and WRR's production well are included with this report as Appendix F-1.

4.1.3 In Situ Reductive Dechlorination Wells

Injection activities were conducted in August 2019 that included injecting a mixture of 11,000 gallons of reducing reagents into 22 borings (#46 through #67) and SVE-4 in the northern portion of the facility and 6,000 gallons into 12 borings (A through M) in the southeastern portion of the site. Figures 15 and 16 show the locations of the borings that were injected in the northern and southeastern areas, respectively, in August 2019. Figure 15 also shows the locations of the borings that were injected during the pilot test and first phase of full-scale injections in June and October 2018, respectively.

To measure the factors affecting the degradation of CVOCs in areas that were injected with reducing reagents in 2018 and 2019, the following parameters were measured in groundwater wells W-32 through W-35 and SVE-4:

- VOCs and MEE.

- DO, ORP, pH, temperature, and conductivity. These RNA field parameters were measured in groundwater being purged from each well prior to collecting groundwater samples for laboratory analyses.
- Alkalinity, dissolved iron and manganese, nitrate, sulfate, and TOC. These RNA parameters were measured in groundwater samples submitted for laboratory analyses.
- Dechlorinating bacteria DHC and DHBt. DHC and DHBt include the suites of microbes that facilitate the dechlorination of chloroethenes (PCE, TCE, DCE, and vinyl chloride), and chloroethanes (trichloroethane [TCA], DCA, and chloroethane), respectively.

Tables 25a through 25d list analytical results of compounds measured in groundwater samples collected from W-32 through W-34 and SVE-4, respectively, in the northern portion of the facility. Table 26 presents the analytical results of groundwater samples collected from W-35 in the south portion of the facility. The results of RNA parameters measured in the field and laboratory, along with the concentrations of VOCs and MEE detected in each well, are included in Tables 25 and 26. Table 27 presents the analytical results of groundwater samples collected from W-32 through W-35 and SVE-4 that were analyzed for microbial cell concentrations.

The analytical results of the RNA parameters and microbes measured in each well were used to evaluate the status of reductive dechlorination (RD) occurring in the groundwater at each well's location. To evaluate the relative status of RD occurring at each location, the measured RNA parameters were assigned points based on Table 2.3 of the USEPA's *Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water* – Weidemeier, et al, September 1998. The total RNA score for each well was then compared to Table 2.4 of that guidance. Table 28 of this report lists the points assigned for each RNA parameter and the total RNA score for each well. Based on that scoring system, there is limited evidence of RD occurring in W-32, adequate evidence of RD occurring at SVE-4, and strong evidence that RD is occurring in W-33 through W-35.

As shown in Table 28, the elevated DHC and DHBt concentrations measured in W-34, W-35, and SVE-4, combined with their relatively high RNA score, indicate that conditions in the groundwater at those locations are favorable for anaerobic degradation of CVOCs. However, no DHC and DHBt were measured in W-32; whereas the DHC and DBHt concentrations measured in W-33 were moderately elevated. The results for W-32 and W-33 were unexpected. W-32 is located within the area that received injections of reducing reagents and microbes in October 2018 and July 2019; whereas, W-33 is located down/side gradient of that area. Additional injections are planned for the area near W-32 in 2020, as discussed in Section 5.0 below.

Charts showing trends in CVOC concentrations measured in W-32 through W-35 and SVE-4 are included with this report as Appendix F-2. As shown on those charts and in Tables 25 and 26, concentrations of total CVOCs, PCE, and/or TCE have been significantly reduced in W-34 and W-35 and, to a lesser degree, in SVE-4, W-32, and W-33. Generally speaking, increases in the concentrations of intermediate daughter products DCA and vinyl chloride have accompanied the

decrease in PCE and TCE concentrations. However, PCE, TCE, and/or TCA concentrations in the groundwater in W-33 and SVE-4 rebounded to elevated levels after initially being reduced by two to three orders of magnitude. See Tables 25 and 26 for specific concentrations of each compound in each well.

The rebound in PCE, TCE, and other CVOCs was most likely due to those compounds in the vadose zone soil being released into the groundwater during periods when the water table elevation was relatively high. As discussed in Section 4.2.1 below, soil gas samples were collected from W-32 and W-34 in September and newly installed SVE-7 in November 2019 and elevated concentrations of VOCs were measured in the samples collected from W-32 and SVE-7. The concentrations of PCE and TCE, along with other CVOCs, in the vadose zone soil are expected to decrease due to the operation of the SVE systems discussed below, especially during periods when the water table elevation is relatively low, which in turn should reduce the magnitude of the rebound in CVOC concentrations in the groundwater.

4.2 SVE Systems

Charts showing the total VOC concentrations measured in and removed by SVE-5 and the main SVE system connected to RW-10, RW-11, and SVE-4 are included with this report as Appendix F-3. The follow sections provide a summary of the operations for each system during this reporting period and the mass of VOCs removed by each system.

4.2.1 Main SVE System – RW-10, RW-11, & SVE-4

The vacuum blower formerly used for the three AI/SVE systems was connected to RW-11 and restarted on July 6, 2016. Wells RW-10 and SVE-4 were connected to the main SVE system and began venting on September 13, 2016, and October 1, 2018, respectively. As discussed in GF's January 2019 *Operations & Maintenance Report,* the main SVE system was shut down on November 1, 2018, due to elevated concentrations of PCE measured in its exhaust gas, which exceeded the NR 445 PCE emission threshold of 301 lb/yr for stacks under 25 ft. The stack height for the exhaust connected to the main SVE blower was raised to 27 ft, and the blower for that system restarted on March 19, 2019. With minor exceptions discussed in the footnotes of Table 18, each of the wells connected to the main SVE blower vented continuously from March 19 through October 31, 2019.

Exhaust gas samples were collected weekly for two weeks after the main SVE blower was restarted on March 19, 2019, and then monthly thereafter. Through October 17, 2019, the main SVE system had removed approximately 8,371 lbs of VOCs, of which 1,137 lbs were PCE. During the 7.5 months that it was operating during this reporting period, the main SVE system removed 1,512 lbs of VOCs, of which 582 lbs were PCE, mostly from SVE-4. See Tables 17 and 18 for the concentrations of specific VOCs measured in the main SVE system's exhaust gas samples and the data used to estimate the mass of VOCs removed by that system.

Based on the total mass of VOCs removed during the first three years of its operation, the main SVE system removed about 1 lb of VOCs per every 3.0 hours of operation. For comparison, the

main SVE system removed about 1 lb of VOCs for every 3.4 hours of operation during this reporting period. Since the main SVE system has been upgraded to include additional wells over time, however, this general mass removal comparison is of limited value. A more useful graph showing the total VOC concentrations and mass of VOCs removed by the main SVE system since it began venting in July 2016 is shown on the chart in Appendix F-3.

As previously discussed, soil gas samples were collected from W-32 and W-34 in September 2019 and submitted to ALS Laboratory in Simi Valley, California, for analyses of VOCs using TO-15. See Table 29 for the concentrations of specific VOCs measured in the soil gas samples collected from W-32 and W-34. As shown in Table 29, elevated VOC concentrations were measured in the sample collected from W-32, and as a result, two additional dual-purpose injection/vent wells, SVE-6 and SVE-7, were installed in November 2019. SVE-7 was installed next to the loading dock at the northwest corner of Building E-1 where elevated CVOC concentrations had been previously measured in the soil and groundwater. See Figure 4 for the locations of SVE-6 and SVE-7. A soil gas sample was collected from SVE-7 in November 2019 after it was installed and elevated VOC concentrations were also measured in that sample. Table 29 includes the analytical results of the soil gas sample collected from SVE-7.

During cold-weather months, WRR field staff periodically measure soil vapor temperatures at RW-10, RW-11, SVE-4, and SVE-5 for tracking purposes. The main SVE system was shut down on January 7, 2020, when temperatures of the extracted soil vapor fell below freezing. SVE-7 will be connected to the main SVE system in 2020 and will be used for venting the soil gas and injection of reducing reagents into the groundwater.

4.2.2 SVE-5 Vent System

The vacuum blower connected to SVE-5 was started on August 19, 2019, and operated continuously for the remainder of this reporting period. Through November 4, 2019, the SVE-5 vent system had removed approximately 215 lbs of VOCs. See Tables 19 and 20 for the concentrations of specific VOCs measured in the SVE-5 exhaust gas samples and the data used to estimate the mass of VOCs removed by that system.

Based on the total mass of VOCs removed during the first three months of its operation, the SVE-5 vent system removed about 1 lb of VOCs per every 10 hours of operation. Like the main SVE system, the blower for SVE-5 was shut down on January 7, 2020, when soil vapor temperatures fell below freezing. The system will resume full-time operation in the spring once the average daily air temperature is above freezing.

4.2.3 SVE-6

As mentioned above, elevated VOC concentrations were measured in a soil gas sample collected from W-32 in September 2019. Dual-purpose SVE-6 was installed in November 2019 near W-32 and will be used for venting VOCs from the soil gas and injecting reducing reagents. See Figure 4 for the locations of W-32 and SVE-6. SVE-6 will be connected to its own vacuum

blower and will begin venting in the spring of 2020 when the average daily air temperature is above freezing.

5.0 FUTURE ACTIVITIES AND SCHEDULES

5.1 Monitoring and Remedial Activities - November 2019 to October 2020

The following activities are scheduled during the next reporting period – November 2019 through October 2020:

- Continue to operate recovery wells RW-6, RW-7, and RW-10 through RW-13. Samples will be collected from each of the operating recovery wells to document the estimated mass of VOCs being removed by each well.

- The pumping rates of the recovery wells will be monitored by WRR, and any repairs or other maintenance activities will be conducted, as necessary, to optimize their performance.

- Recovery wells RW-2, RW-4, RW-8, and/or RW-9 will be turned off. The water pumped from these wells removed negligible VOC mass, based on their relatively low VOC concentrations and pumping rates since May 2018.

- The vacuum blowers connected to SVE-5 and the main SVE system will be restarted after average daily temperatures rise above freezing. Due to the relatively low mass of VOCs and HAPs removed from SVE-5 during the first three months of its operation, exhaust gas samples will be collected quarterly to monitor its VOC emissions.

- Two injection/vent wells, SVE-6 and SVE-7, were installed in November 2019. These wells will receive injections of reducing reagents and vent VOCs from the soil gas, as discussed below.

- Exhaust gas samples will continue to be collected on a monthly basis from the main SVE system until SVE-7 is connected to that blower in 2020.

- Exhaust gas samples will be collected from the blowers connected to SVE-6 and SVE-7 for VOC analysis once each day for the first 3 days of their operation, weekly for the next three weeks, and monthly thereafter, per WDNR guidance.

- The existing three AI/SVE systems will remain off.

- Groundwater samples will be collected for VOC analyses in the spring and fall of 2020 from the on- and off-site wells listed in Table 21. Water samples will also be collected from private wells PW-11 and PW-16 in the spring of 2020.

- Groundwater samples will also be collected from wells W-32 through W-35 and SVE-4 to monitor the progress of reductive dechlorination occurring in areas that were injected with reducing reagents in 2018 and 2019. Those samples will be analyzed for RNA parameters and the microbes that facilitate reductive dechlorination of CVOCs.

- Additional reducing reagents will be injected into the groundwater in the northern and southeastern portions of the facility where elevated concentrations of CVOC are present, as approved by the WDNR on August 8, 2019. The supplemental injection activities will occur in late spring/early summer of 2020. Figures 15 and 16 show the remaining proposed injection boring locations in the northern and southeastern portions of the facility, respectively.

- Bi-monthly samples will be collected from Outfall 002 (aerated reservoir discharge) as required by the WPDES Permit and reported to the WDNR.

- With the exception of the bi-monthly samples collected from Outfall 002 referenced above, the analytical results of the all other samples collected during the next reporting period will be included in the next O&M report.

- The next O&M report will summarize monitoring and remedial activities through October 2020 and will be submitted to the WDNR by January 15, 2021.

5.2 Remedial Goals & Activities Required to Achieve Site Closure

5.2.1 Remedial Goals

The following conditions taken from GF's April 2013 *Corrective Action Plan* were set for the remedial goals necessary to achieve site closure:

- All new sources of VOCs have been defined by supplemental site investigation activities.
- No new releases have occurred that would serve as continuing sources of contaminants to groundwater.
- VOC concentrations in the soil have been reduced to concentrations below direct contact, vapor inhalation, and soil to groundwater protection screening levels by remedial efforts where practical and technically feasible.
- Areas where elevated VOCs remain in soil can be addressed by institutional or engineered controls will be placed on WDNR's database.
- VOC concentrations in groundwater have been reduced to concentrations below NR 140 ES in all on-site wells or reduced to asymptotically low concentrations indicating that remediation has been completed to the extent practical.
- Groundwater in on- and off-site areas with VOCs concentrations greater than NR 140 ESs can be included on WDNR's database.

5.2.2 Ongoing Remedial Activities

The following activities will need to be conducted until VOC concentrations in the soil and groundwater meet the remedial goals listed above and the site can achieve regulatory closure:

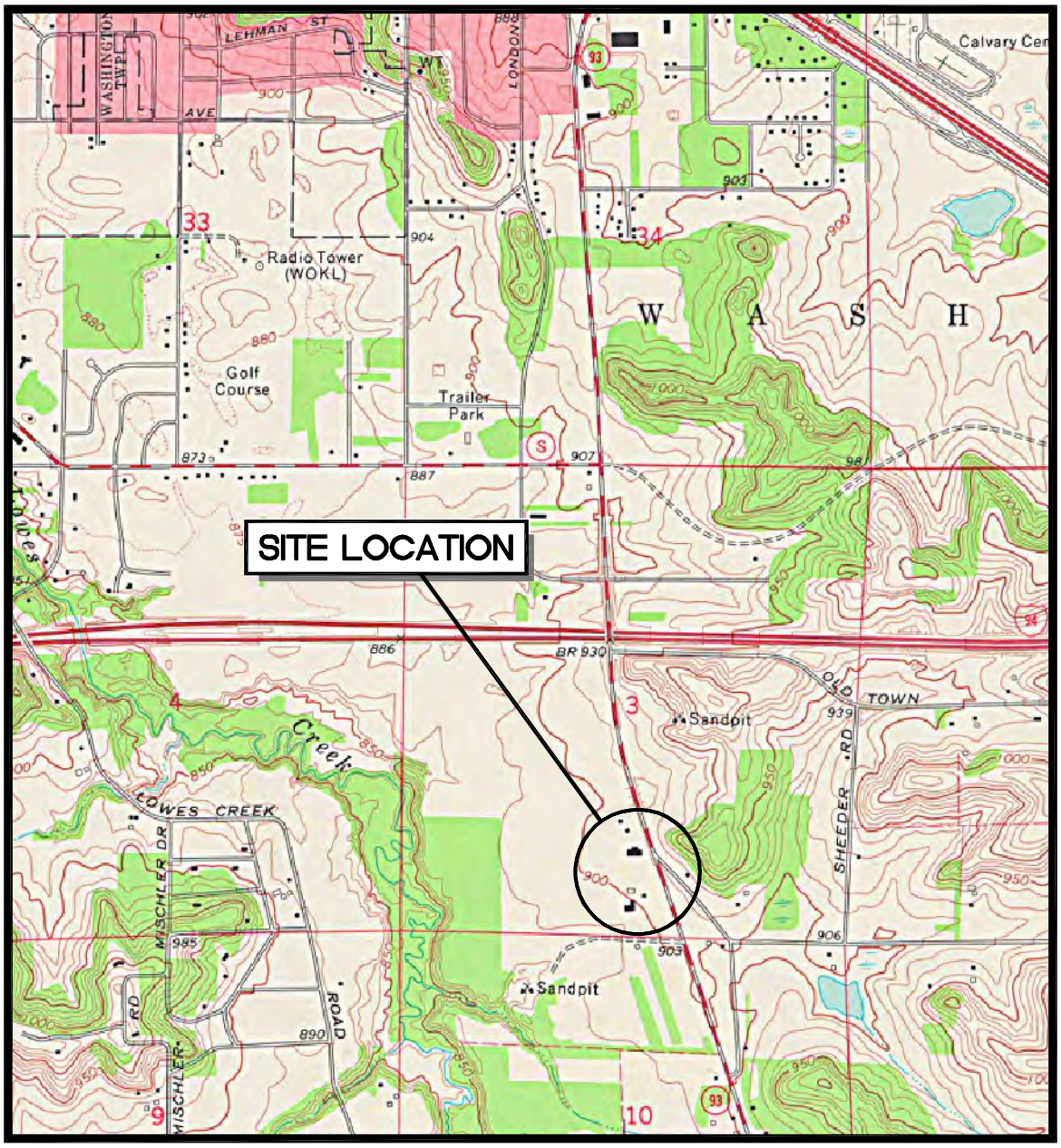
- All remediation systems will need to be maintained and operated until they are no longer needed to reduce VOC concentrations in the soil and/or groundwater.
- Groundwater monitoring of on- and off-site wells will continue on a semi-annual basis until VOC concentrations in all on-site wells have been reduced to levels below the NR 140 ES or to asymptotically low levels, after which point the remediation systems can be turned off. Wells that will sampled as part of the groundwater monitoring program are listed on Table 21 of this report.
- All remediation systems, including WRR's aeration reservoir, will be sampled according to regulatory requirements. Sample results will be reported to the WDNR as either part of the WPDES discharge monitoring report or the annual O&M report.
- Post-remediation soil sampling will occur after active remediation is complete. Confirmation samples will be collected in areas where elevated VOCs were measured in pre-remediation soil samples.
- Post-remediation monitoring of VOC concentrations in on- and off-site wells will continue for 8 quarters after the remediation systems have been turned off.
- Annual sampling of private wells PW-11 and PW-16 will continue for up to ten years after the remediation systems have been turned off or until the WDNR grants approval to discontinue sampling those wells.
- Areas with VOC concentrations above regulatory standards in on- and off-site soil and groundwater will be placed on the WDNR's database.
- Off-site property owners will be notified of any contamination remaining above regulatory standards in the soil or groundwater on their property.
- Institutional controls will be placed on the WRR property indicating that it cannot be used for non-industrial purposes.
- Any engineered barriers (i.e., buildings or pavement, etc.) used as a condition of closure will have maintenance plans approved by the WDNR that will be enacted/enforced by WRR and subsequent property owners as part of their continuing obligations.
- Following conditional closure by the WDNR, all monitoring wells will be sealed/abandoned and all remediation systems dismantled. Documentation of well abandonment and dismantling of the remediation systems will be submitted to the WDNR as the final step in the closure process.

5.2.3 Schedule

Based on the remedial activities conducted through October 2019, documented improvement in groundwater quality, and trends in VOC concentrations measured in dissolved-phase and SVE exhaust gas samples, GF believes the remediation systems can be turned off in the summer of 2023. Following that timeline, post-remediation soil sampling would occur in the fall of 2023. Post-remediation groundwater sampling would begin in the fall of 2023 for eight quarters through the spring of 2025, and the closure request would be submitted to the WDNR in December 2025. This schedule assumes that all remediation systems necessary to reduce VOC concentrations in the soil and groundwater are operating through June 2023 and that any rebound in VOC concentrations after the remediation systems are turned off (e.g., due to back diffusion of residual VOCs from a silt and/or clay lens) is relatively limited in degree and extent.

Gannett Fleming

FIGURE 1



APPROX. SCALE: 1 INCH = 2,150 FEET

7.5 MIN TOPOGRAPHIC MAP
EAU CLAIRE EAST, WISCONSIN
1972

LOCATION MAP

WRR ENVIRONMENTAL SERVICES, INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN

122916
awm_R55929-005_2019_020M_F01

APPROX. SCALE: 1 INCH = 420 FEET

GOOGLE EARTH IMAGERY (04/14)

N

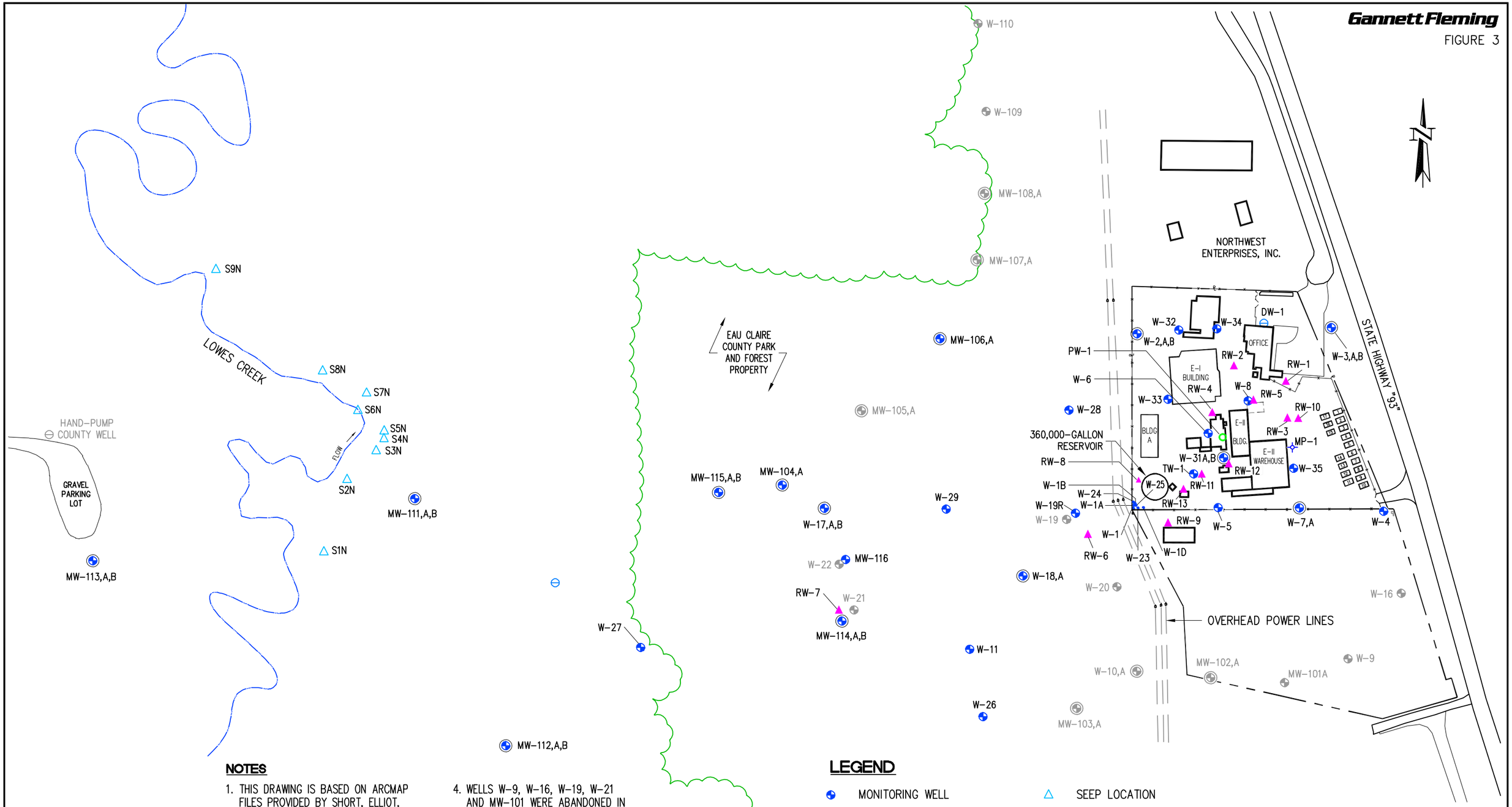
AERIAL PHOTO OF SITE

WRR ENVIRONMENTAL SERVICES, INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN

122916
awm_R55929-005_2019_020M_F02

Gannett Fleming

FIGURE 3



0 250

Approximate
Scale In Feet

NOTES

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. SITE FEATURES ARE APPROXIMATE.
3. WELL NEST MW-105,A WAS REMOVED DURING EXCAVATION OF CLAY BY EAU CLAIRE COUNTY.
4. WELLS W-9, W-16, W-19, W-21 AND MW-101 WERE ABANDONED IN SEPT. 2013. WELLS MW-107, MW-107A, MW-109 AND MW-110 WERE REMOVED IN SEPTEMBER 2014. WELLS W-10, W-10A, W-20, W-22, MW-101A, MW-102, MW-102A, MW 103, MW-103A, MW-108 AND MW-108A WERE REMOVED IN JUNE 2018. THE LOWE'S CREEK COUNTY HAND PUMP WELL WAS ABANDONED IN 2018.

LEGEND

- MONITORING WELL
- MONITORING WELL NEST
- RECOVERY WELL
- PRODUCTION WELL
- DRINKING WATER WELL
- SEEP LOCATION
- POWER POLE
- LIGHT POLE
- FENCE
- TREE LINE

SEEP AND MONITORING WELL LOCATION MAP

WRR ENVIRONMENTAL SERVICES, INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN

120219
awm_R55929-005_2019_020M_F03

Gannett Fleming

FIGURE 4

0 80

Approximate Scale In Feet

NORTHWEST ENTERPRISES, INC.

STATE HIGHWAY "93"

SCALE

OFFICE

E-I BUILDING

NORTHERN AI/SVE SYSTEM

BULK LOADING AND UNLOADING AREA CANOPY

DRUM AND TOTE STORAGE SHEDS (1-17)

BUILDING A

MIDDLE AI/SVE SYSTEM

E-II BLDG.

E-II WAREHOUSE

CC-7 BLDG.

FUELS BLDG.

360,000-GAL. RESERVOIR

TURBO STRIPPER BLDG.

SOUTHERN AI/SVE SYSTEM

SVE WELL

W-18 (AI WELL)

RESCO BUILDING

OVERHEAD POWER LINES

DUMPSTER SHELTER

#1 #2 #3 #4 #5 #6

LEGEND

- GEOPROBE BORING SAMPLE LOCATION
- MONITORING WELL
- MONITORING WELL NEST
- RECOVERY WELL
- PRODUCTION WELL
- AIR SPARGE WELL
- DRINKING WATER WELL
- 1-INCH-DIAMETER MONITORING POINT
- ABOVEGROUND STORAGE TANK (APPROXIMATE LOCATION)
- POWER POLE
- LIGHT POLE
- FENCE
- SURFACE WATER DRAINAGE DITCH
- #2 SOLID WASTE MANAGEMENT UNITS

NOTES

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. SITE FEATURES ARE APPROXIMATE.
3. THE LOCATIONS OF STORAGE TANKS ARE APPROXIMATE
4. BORINGS GP-28 THROUGH GP-58 WERE SAMPLED IN SEPTEMBER 2013. BORINGS GP-59 THROUGH GP-66 WERE SAMPLED IN NOVEMBER 2013. BORINGS GP-67 THROUGH GP-70 WERE SAMPLED IN SEPTEMBER 2014. BORINGS GP-71 THROUGH GP-85 WERE SAMPLED IN SEPTEMBER 2016. BORINGS GP-86 THROUGH GP-90 WERE SAMPLED IN JUNE 2018. BORINGS GP-91 THROUGH GP-95 WERE SAMPLED IN OCTOBER 2018.

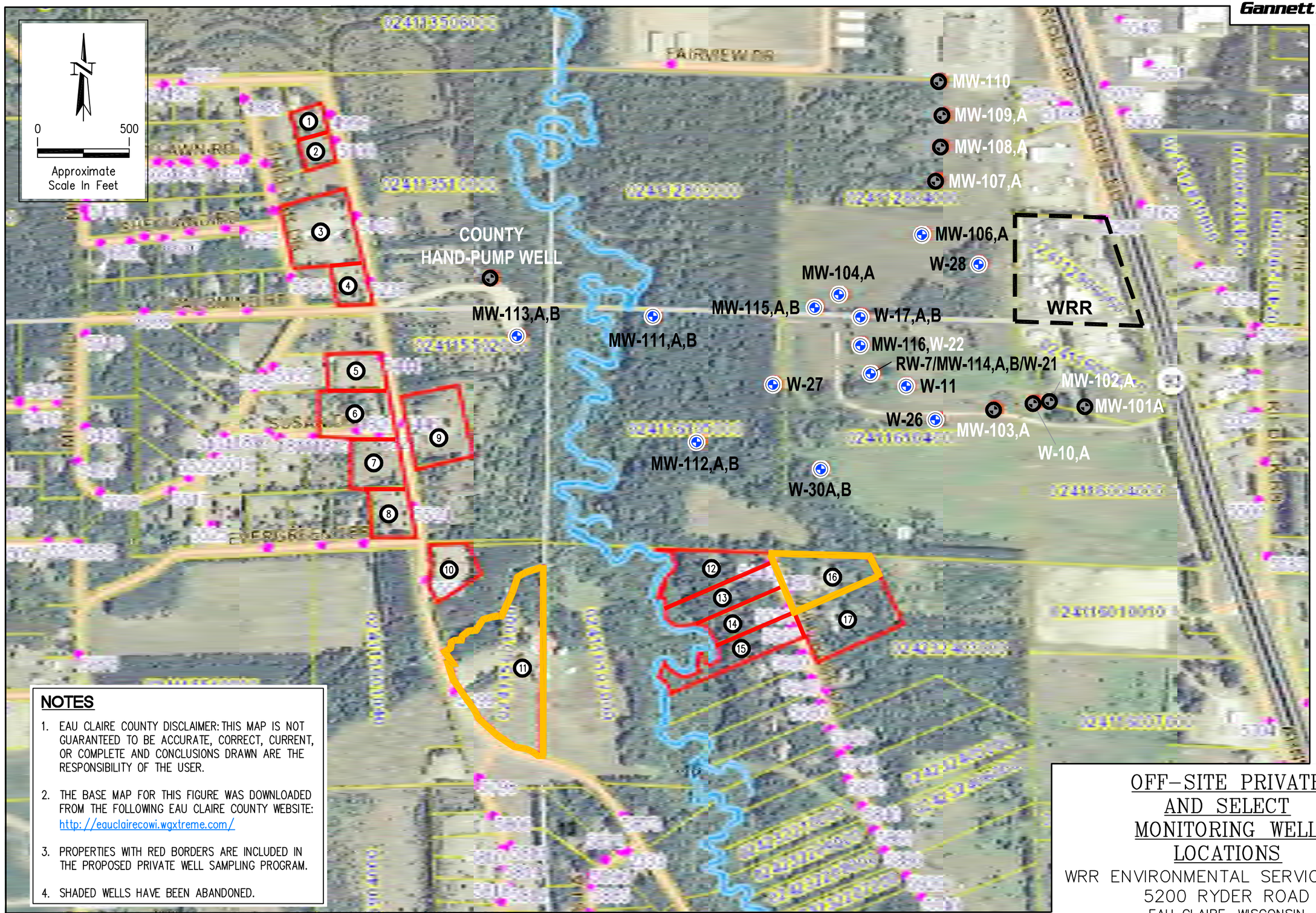
BORING AND WELL LOCATIONS

WRR ENVIRONMENTAL SERVICES, INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN

120618
awm_R55929-005_2019_020M_F04

Gannett Fleming

FIGURE 5



NOTES

1. EAU CLAIRE COUNTY DISCLAIMER: THIS MAP IS NOT GUARANTEED TO BE ACCURATE, CORRECT, CURRENT, OR COMPLETE AND CONCLUSIONS DRAWN ARE THE RESPONSIBILITY OF THE USER.
2. THE BASE MAP FOR THIS FIGURE WAS DOWNLOADED FROM THE FOLLOWING EAU CLAIRE COUNTY WEBSITE: http://eauclairecowi.wgxtreme.com/
3. PROPERTIES WITH RED BORDERS ARE INCLUDED IN THE PROPOSED PRIVATE WELL SAMPLING PROGRAM.
4. SHADED WELLS HAVE BEEN ABANDONED.

OFF-SITE PRIVATE AND SELECT MONITORING WELL LOCATIONS

WRR ENVIRONMENTAL SERVICES, INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN

120219
awm_R55929-005_2019_020M_F05

Gannett Fleming

FIGURE 6

NORTHWEST ENTERPRISES, INC.

0 80

Approximate Scale In Feet

SEE FIGURE 7 FOR TABLE SUMMARIZING CVOC EXCEEDANCES

SCALE

STATE HIGHWAY "93"

OFFICE

E-I BUILDING

NORTHERN AI/SVE SYSTEM

BULK LOADING AND UNLOADING AREA CANOPY

DRUM AND TOTE STORAGE SHEDS (1-17)

BUILDING A

E-II BLDG.

MIDDLE AI/SVE SYSTEM

E-II WAREHOUSE

CC-7 BLDG.

FUELS BLDG.

360,000-GAL. RESERVOIR

TURBO STRIPPER BLDG.

SOUTHERN AI/SVE SYSTEM

SVE WELL

W-1B (AI WELL)

RESCO BUILDING

OVERHEAD POWER LINES

#1 #2 #3 #4 #5 #6

LEGEND

- ESTIMATED EXTENT OF CVOCs AT CONCENTRATIONS TWO ORDERS OF MAGNITUDE GREATER THAN NR 140 ES.
- ESTIMATED EXTENT OF CVOCs AT CONCENTRATIONS ONE ORDER OF MAGNITUDE GREATER THAN NR 140 ES.
- ESTIMATED EXTENT OF CVOCs AT CONCENTRATIONS GREATER THAN NR 140 ES.
- GEOPROBE BORING SAMPLE LOCATION
- MONITORING WELL
- MONITORING WELL NEST
- RECOVERY WELL
- PRODUCTION WELL
- DRINKING WATER WELL
- 1-INCH-DIAMETER MONITORING POINT
- ABOVEGROUND STORAGE TANK (APPROXIMATE LOCATION)
- POWER POLE
- LIGHT POLE
- FENCE
- SURFACE WATER DRAINAGE DITCH
- #2 SOLID WASTE MANAGEMENT UNITS

NOTES

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. SITE FEATURES ARE APPROXIMATE.
3. THE LOCATIONS OF STORAGE TANKS ARE APPROXIMATE
4. BORINGS GP-28 THROUGH GP-58 WERE SAMPLED IN SEPTEMBER 2013. BORINGS GP-59 THROUGH GP-66 WERE SAMPLED IN NOVEMBER 2013. BORINGS GP-67 THROUGH GP-70 WERE SAMPLED IN SEPTEMBER 2014. BORINGS GP-71 THROUGH GP-85 WERE SAMPLED IN SEPTEMBER 2016. BORINGS GP-86 THROUGH GP-90 WERE SAMPLED IN JUNE 2018. BORINGS GP-91 THROUGH GP-95 WERE SAMPLED IN OCTOBER 2018.

ESTIMATED EXTENT OF CVOCs IN SHALLOW AQUIFER ON SITE (MAY-OCTOBER 2019)

WRR ENVIRONMENTAL SERVICES, INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN

120219
awm_R55929-005_2019_020M_F06

Gannett Fleming

FIGURE 7

EXTENT OF CHLORINATED COMPOUNDS IN SHALLOW AQUIFER

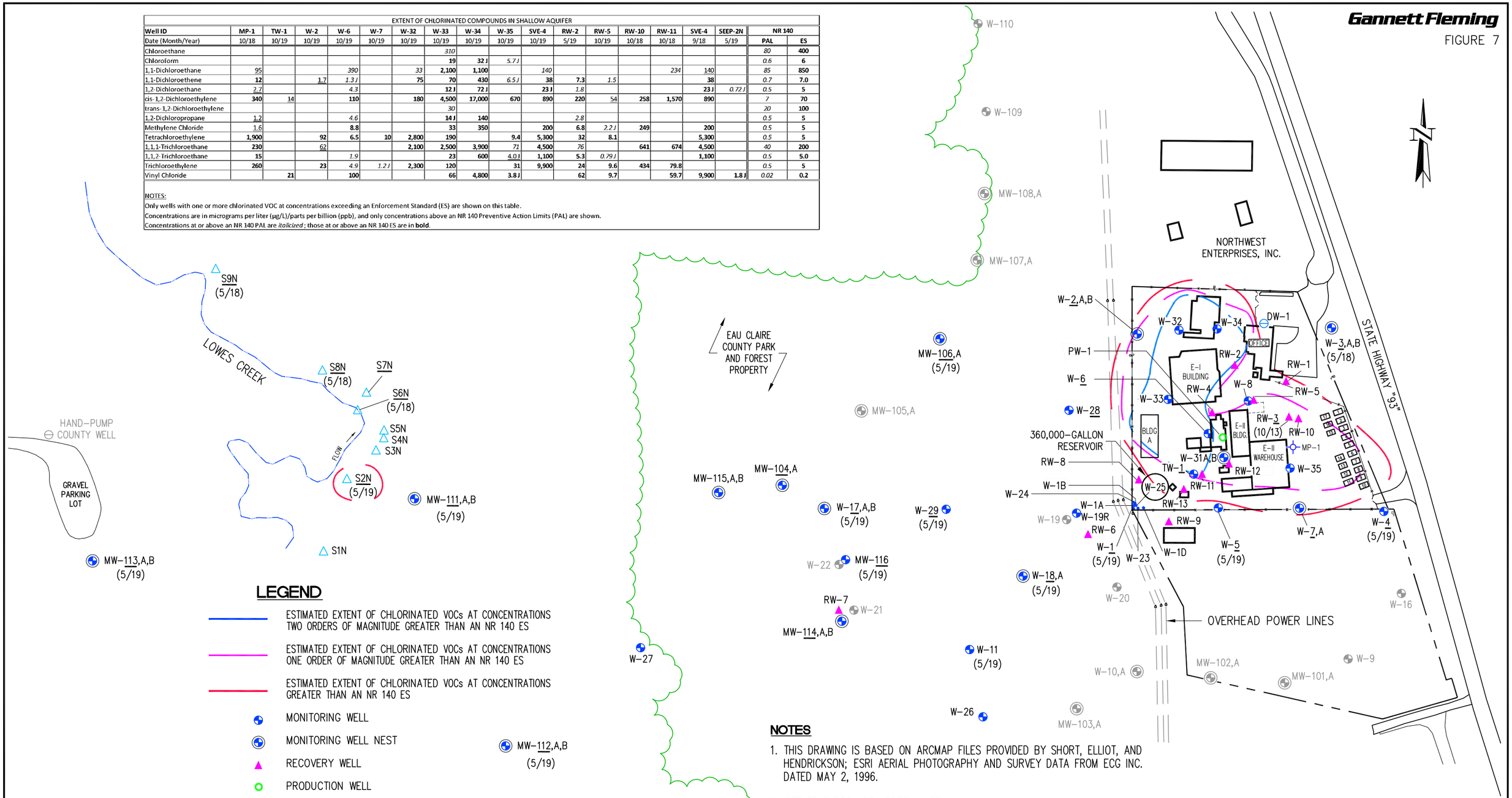
Well ID	MP-1	TW-1	W-2	W-6	W-7	W-32	W-33	W-34	W-35	SVE-4	RW-2	RW-5	RW-10	RW-11	SVE-4	SEEP-2N	NR 140	
Date (Month/Year)	10/18	10/19	10/19	10/19	10/19	10/19	10/19	10/19	10/19	10/19	5/19	10/19	10/18	10/18	9/18	5/19	PAL	ES
Chloroethane							*310*										*80*	**400**
Chloroform							**19**	**32 J**	*5.7 J*								*0.6*	**6**
1,1-Dichloroethane	95			*390*		*33*	**2,100**	**1,100**		*140*				*234*	140		*85*	**850**
1,1-Dichloroethene	**12**		1.7	*1.3 J*		**75**	**70**	**430**	*6.5 J*	**38**	**7.3**	*1.5*			**38**		*0.7*	**7.0**
1,2-Dichloroethane	2.7			*4.3*			**12 J**	**72 J**		**23 J**	*1.8*				**23 J**	*0.72 J*	*0.5*	**5**
cis-1,2-Dichloroethylene	**340**	14		**110**		**180**	**4,500**	**17,000**	**670**	**890**	**220**	54	**258**	**1,570**	**890**		*7*	**70**
trans-1,2-Dichloroethylene							*30*										*20*	**100**
1,2-Dichloropropane	1.2			*4.6*			**14 J**	**140**			*2.8*						*0.5*	**5**
Methylene Chloride	1.6			**8.8**			**33**	**350**		**200**	**6.8**	*2.2 J*	**249**		**200**		*0.5*	**5**
Tetrachloroethylene	**1,900**		**92**	**6.5**	**10**	**2,800**	**190**		**9.4**	**5,300**	**32**	**8.1**			**5,300**		*0.5*	**5**
1,1,1-Trichloroethane	**230**		62			**2,100**	**2,500**	**3,900**	*71*	**4,500**	*76*		**641**	**674**	**4,500**		*40*	**200**
1,1,2-Trichloroethane	**15**			*1.9*			**23**	**600**	4.0 J	**1,100**	**5.3**	*0.79 J*			**1,100**		*0.5*	**5.0**
Trichloroethylene	**260**		**23**	*4.9*	*1.2 J*	**2,300**	**120**		**31**	**9,900**	**24**	**9.6**	**434**	**79.8**			*0.5*	**5**
Vinyl Chloride		**21**		**100**			**66**	**4,800**	**3.8 J**		**62**	**9.7**		**59.7**	**9,900**	**1.8 J**	*0.02*	**0.2**

NOTES:

Only wells with one or more chlorinated VOC at concentrations exceeding an Enforcement Standard (ES) are shown on this table.

Concentrations are in micrograms per liter (µg/L)/parts per billion (ppb), and only concentrations above an NR 140 Preventive Action Limits (PAL) are shown.

Concentrations at or above an NR 140 PAL are *italicized*; those at or above an NR 140 ES are in **bold**.



LEGEND

- ESTIMATED EXTENT OF CHLORINATED VOCs AT CONCENTRATIONS TWO ORDERS OF MAGNITUDE GREATER THAN AN NR 140 ES
- ESTIMATED EXTENT OF CHLORINATED VOCs AT CONCENTRATIONS ONE ORDER OF MAGNITUDE GREATER THAN AN NR 140 ES
- ESTIMATED EXTENT OF CHLORINATED VOCs AT CONCENTRATIONS GREATER THAN AN NR 140 ES
- MONITORING WELL
- MONITORING WELL NEST
- RECOVERY WELL
- PRODUCTION WELL
- DRINKING WATER WELL
- SEEP LOCATION
- POWER POLE
- LIGHT POLE
- FENCE
- TREE LINE

0 250

Approximate Scale In Feet

120919

awm_R55929-005_2019_020M_F07

NOTES

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. SITE FEATURES ARE APPROXIMATE.
3. ESTIMATED EXTENT OF CHLORINATED VOCS AT CONCENTRATIONS GREATER THAN AN NR 140 ES IS BASED ON RESULTS OF SAMPLES COLLECTED FROM UNDERLINED WELLS IN OCTOBER 2019 UNLESS OTHERWISE NOTED.
4. WELLS W-9, W-16, W-19, W-21 AND MW-101 WERE ABANDONED IN SEPT. 2013. WELLS MW-107, MW-107A, MW-109 AND MW-110 WERE REMOVED IN SEPTEMBER 2014. WELLS MW-101A, MW-102, MW-102A, MW-103, MW-103A, MW-108, MW-108A, W-10, W-10A, W-20, AND W-22 WERE REMOVED IN JUNE 2018. LOWE'S CREEK HAND PUMP COUNTY WELL WAS REMOVED IN 2018.

ESTIMATED EXTENT OF CHLORINATED VOCs IN SHALLOW AQUIFER (MAY-OCTOBER 2019)

WRR ENVIRONMENTAL SERVICES, INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN

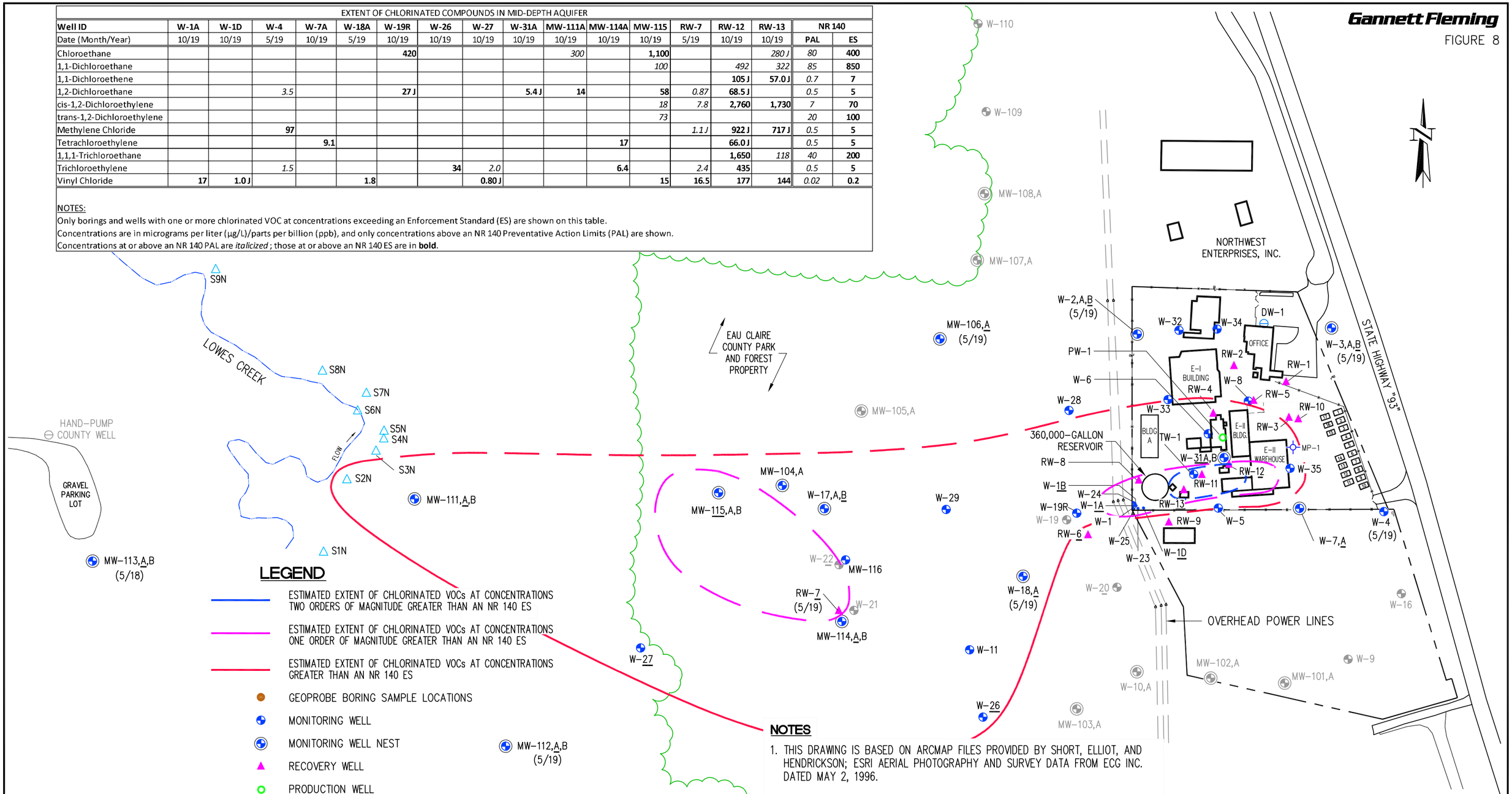
Gannett Fleming

FIGURE 8

EXTENT OF CHLORINATED COMPOUNDS IN MID-DEPTH AQUIFER

Well ID	W-1A	W-1D	W-4	W-7A	W-18A	W-19R	W-26	W-27	W-31A	MW-111A	MW-114A	MW-115	RW-7	RW-12	RW-13	NR 140	
Date (Month/Year)	10/19	10/19	5/19	10/19	5/19	10/19	10/19	10/19	10/19	10/19	10/19	10/19	5/19	10/19	10/19	PAL	ES
Chloroethane						**420**				*300*		**1,100**			*280 J*	*80*	**400**
1,1-Dichloroethane												*100*		*492*	*322*	*85*	**850**
1,1-Dichloroethene														**105 J**	**57.0 J**	*0.7*	**7**
1,2-Dichloroethane			*3.5*			**27 J**			**5.4 J**	**14**		**58**	*0.87*	**68.5 J**		*0.5*	**5**
cis-1,2-Dichloroethylene												*18*	*7.8*	**2,760**	**1,730**	*7*	**70**
trans-1,2-Dichloroethylene												*73*				*20*	**100**
Methylene Chloride			**97**										*1.1 J*	**922 J**	**717 J**	*0.5*	**5**
Tetrachloroethylene				**9.1**							**17**			**66.0 J**		*0.5*	**5**
1,1,1-Trichloroethane														**1,650**	*118*	*40*	**200**
Trichloroethylene			*1.5*				**34**	*2.0*			**6.4**		*2.4*	**435**		*0.5*	**5**
Vinyl Chloride	**17**	**1.0 J**			**1.8**			**0.80 J**				**15**	**16.5**	**177**	**144**	*0.02*	**0.2**

NOTES:
Only borings and wells with one or more chlorinated VOC at concentrations exceeding an Enforcement Standard (ES) are shown on this table.
Concentrations are in micrograms per liter (µg/L)/parts per billion (ppb), and only concentrations above an NR 140 Preventative Action Limits (PAL) are shown.
Concentrations at or above an NR 140 PAL are *italicized* ; those at or above an NR 140 ES are in **bold**.



LEGEND

- ESTIMATED EXTENT OF CHLORINATED VOCs AT CONCENTRATIONS TWO ORDERS OF MAGNITUDE GREATER THAN AN NR 140 ES
- ESTIMATED EXTENT OF CHLORINATED VOCs AT CONCENTRATIONS ONE ORDER OF MAGNITUDE GREATER THAN AN NR 140 ES
- ESTIMATED EXTENT OF CHLORINATED VOCs AT CONCENTRATIONS GREATER THAN AN NR 140 ES
- GEOPROBE BORING SAMPLE LOCATIONS
- MONITORING WELL
- MONITORING WELL NEST
- RECOVERY WELL
- PRODUCTION WELL
- DRINKING WATER WELL
- SEEP LOCATION
- POWER POLE
- LIGHT POLE
- FENCE
- TREE LINE

0 250

Approximate Scale In Feet

NOTES

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. SITE FEATURES ARE APPROXIMATE.
3. ESTIMATED EXTENT OF CHLORINATED VOCS AT CONCENTRATIONS GREATER THAN AN NR 140 ES IS BASED ON RESULTS OF SAMPLES COLLECTED FROM UNDERLINED WELLS IN OCTOBER 2018 UNLESS OTHERWISE NOTED.
4. WELLS W-9, W-16, W-19, W-21 AND MW-101 WERE ABANDONED IN SEPT. 2013. WELLS MW-107, MW-107A, MW-109 AND MW-110 WERE REMOVED IN SEPTEMBER 2014. WELLS MW-101A, MW-102, MW-102A, MW-103, MW-103A, MW-108, MW-108A, W-10, W-10A, W-20, AND W-22 WERE REMOVED IN JUNE 2018. LOWE'S CREEK HAND PUMP COUNTY WELL WAS REMOVED IN 2018.

ESTIMATED EXTENT OF CHLORINATED VOCs IN MID-DEPTH AQUIFER (MAY-OCTOBER 2019)

WRR ENVIRONMENTAL SERVICES, INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN

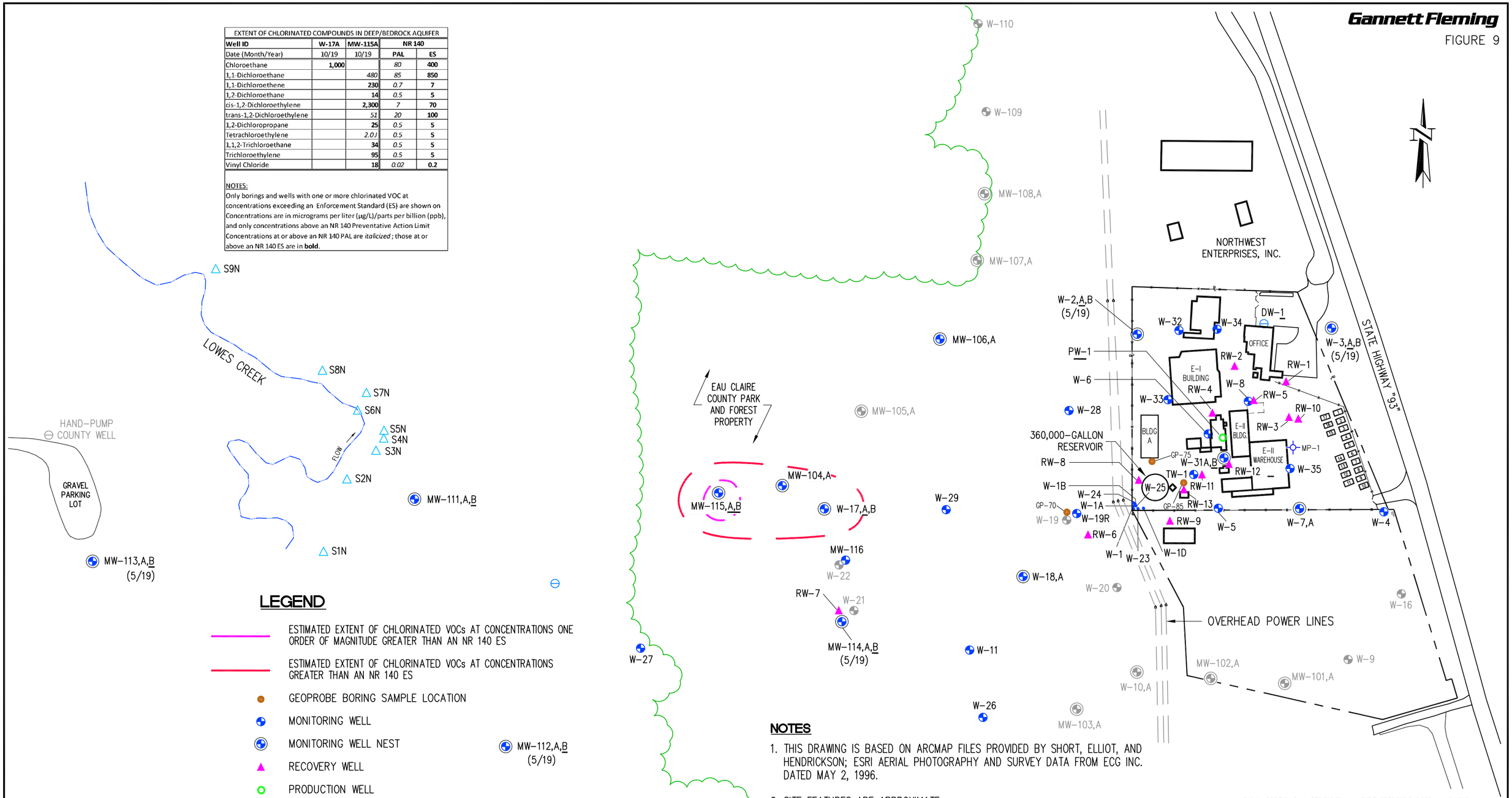
120919
awm_R55929-005_2019_020M_F08

Gannett Fleming

FIGURE 9

EXTENT OF CHLORINATED COMPOUNDS IN DEEP/BEDROCK AQUIFER				
Well ID	**W-17A**	**MW-115A**	**NR 140**	
Date (Month/Year)	10/19	10/19	**PAL**	**ES**
Chloroethane	**1,000**		*80*	**400**
1,1-Dichloroethane		*480*	*85*	**850**
1,1-Dichloroethene		**230**	*0.7*	**7**
1,2-Dichloroethane		**14**	*0.5*	**5**
cis-1,2-Dichloroethylene		**2,300**	*7*	**70**
trans-1,2-Dichloroethylene		*51*	*20*	**100**
1,2-Dichloropropane		**25**	*0.5*	**5**
Tetrachloroethylene		*2.0J*	*0.5*	**5**
1,1,2-Trichloroethane		**34**	*0.5*	**5**
Trichloroethylene		**95**	*0.5*	**5**
Vinyl Chloride		**18**	*0.02*	**0.2**

NOTES:
Only borings and wells with one or more chlorinated VOC at concentrations exceeding an Enforcement Standard (ES) are shown on Concentrations are in micrograms per liter (µg/L)/parts per billion (ppb), and only concentrations above an NR 140 Preventative Action Limit Concentrations at or above an NR 140 PAL are *italicized*; those at or above an NR 140 ES are in **bold**.



LEGEND

- ESTIMATED EXTENT OF CHLORINATED VOCs AT CONCENTRATIONS ONE ORDER OF MAGNITUDE GREATER THAN AN NR 140 ES
- ESTIMATED EXTENT OF CHLORINATED VOCs AT CONCENTRATIONS GREATER THAN AN NR 140 ES
- GEOPROBE BORING SAMPLE LOCATION
- MONITORING WELL
- MONITORING WELL NEST
- RECOVERY WELL
- PRODUCTION WELL
- DRINKING WATER WELL
- SEEP LOCATION
- POWER POLE
- LIGHT POLE
- FENCE
- TREE LINE

0 250

Approximate Scale In Feet

120219
awm_R55929-005_2018_030M_F09

NOTES

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. SITE FEATURES ARE APPROXIMATE.
3. ESTIMATED EXTENT OF CHLORINATED VOCS AT CONCENTRATIONS GREATER THAN AN NR 140 ES IS BASED ON RESULTS OF SAMPLES COLLECTED FROM UNDERLINED WELLS IN OCTOBER 2019 UNLESS OTHERWISE NOTED.
4. WELLS W-9, W-16, W-19, W-21 AND MW-101 WERE ABANDONED IN SEPT. 2013. WELLS MW-107, MW-107A, MW-109 AND MW-110 WERE REMOVED IN SEPTEMBER 2014. WELLS MW-101A, MW-102, MW-102A, MW-103, MW-103A, MW-108, MW-108A, W-10, W-10A, W-20, AND W-22 WERE REMOVED IN JUNE 2018. LOWE'S CREEK HAND PUMP COUNTY WELL WAS REMOVED IN 2018.

ESTIMATED EXTENT OF CHLORINATED VOCs IN DEEP/BEDROCK AQUIFER (MAY-OCTOBER 2019)

WRR ENVIRONMENTAL SERVICES, INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN

Gannett Fleming

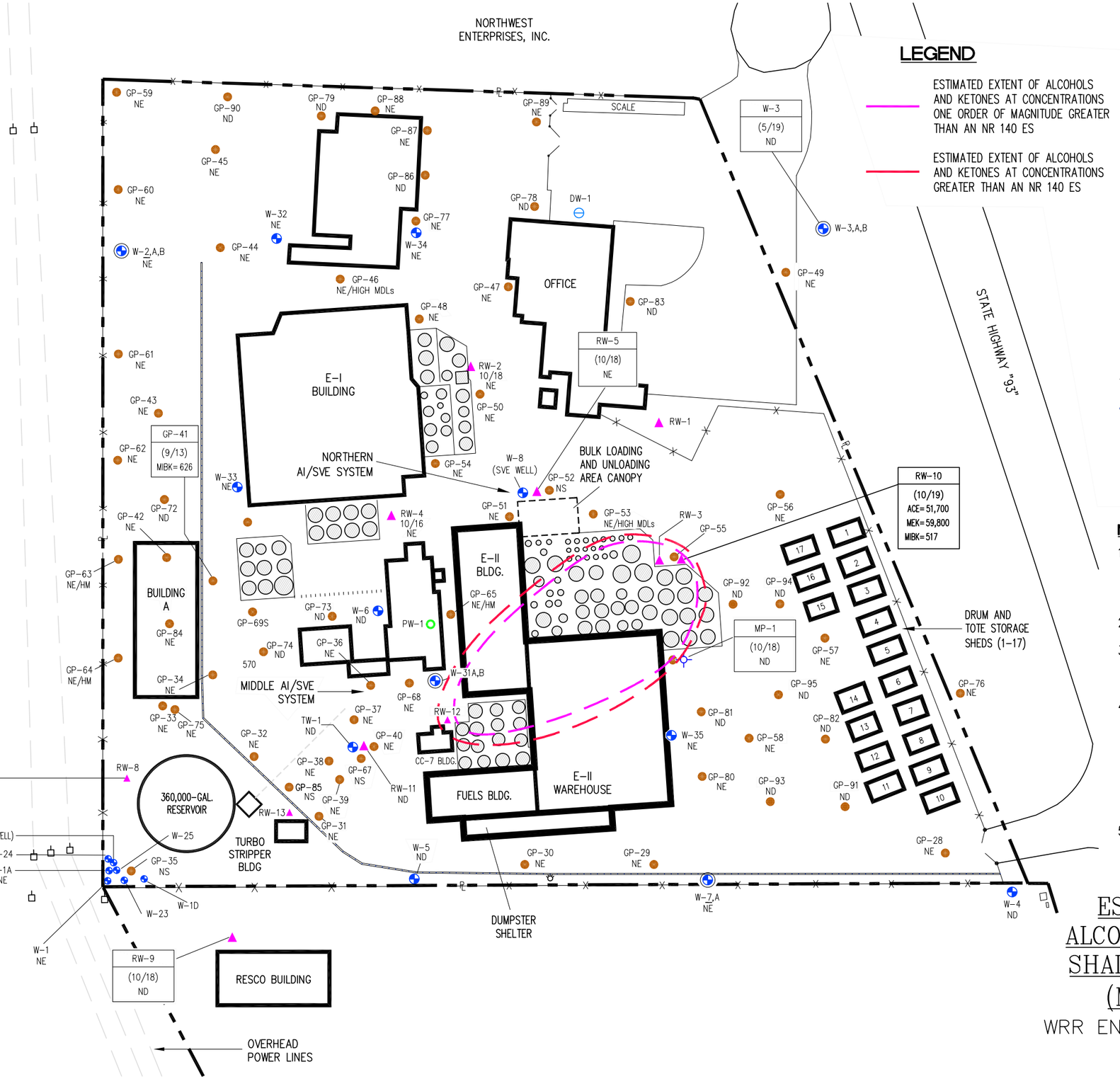
FIGURE 10

MAP ID	COMPOUND NAME	NR 140 ES
ACE	ACETONE	9,000
IPA	ISOPROPYL ALCOHOL	3,000
MEK	METHYL ETHYL KETONE	4,000
MIBK	METHYL ISOBUTYL KETONE	500

NOTES

ONLY COMPOUNDS AT CONCENTRATIONS ABOVE THEIR NR 140 ENFORCEMENT STANDARDS ARE SHOWN ON MAP.

NE=NO NR 140 ENFORCEMENT STANDARD EXCEEDANCES
HM=HIGH METHOD DETECTION LIMITS
NS=NOT SAMPLED
ND=NO DETECTS



LEGEND

- ESTIMATED EXTENT OF ALCOHOLS AND KETONES AT CONCENTRATIONS ONE ORDER OF MAGNITUDE GREATER THAN AN NR 140 ES
- ESTIMATED EXTENT OF ALCOHOLS AND KETONES AT CONCENTRATIONS GREATER THAN AN NR 140 ES
- GEOPROBE BORING SAMPLE LOCATION
- MONITORING WELL
- MONITORING WELL NEST
- RECOVERY WELL
- PRODUCTION WELL
- DRINKING WATER WELL
- ABOVEGROUND STORAGE TANK (APPROXIMATE LOCATION)
- POWER POLE
- LIGHT POLE
- FENCE
- SURFACE WATER DRAINAGE DITCH

NOTES

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. SITE FEATURES ARE APPROXIMATE.
3. THE LOCATIONS OF TANKS ARE APPROXIMATE AND THE SURVEYED LOCATIONS ARE SHOWN ON THE DRAWINGS IN THE FEASIBILITY AND PLAN OF OPERATION REPORT.
4. BORINGS GP-28 THROUGH GP-58 WERE SAMPLED IN SEPTEMBER 2013; BORINGS GP-59 THROUGH GP-66 WERE SAMPLED IN NOVEMBER 2013; BORINGS GP-67 THROUGH GP-70 WERE SAMPLED IN SEPTEMBER 2014; BORINGS GP-71 THROUGH GP-85 WERE SAMPLED IN SEPTEMBER 2016; BORINGS GP-86 THROUGH GP-90 WERE SAMPLED IN JUNE 2018; BORINGS GP-91 THROUGH GP-95 WERE SAMPLED IN OCTOBER 2018.
5. ALL CONCENTRATIONS ARE FROM OCTOBER 2019 UNLESS OTHERWISE NOTED.

ESTIMATED EXTENT OF ALCOHOLS AND KETONES IN SHALLOW AQUIFER ON SITE (MAY – OCTOBER 2019)

WRR ENVIRONMENTAL SERVICES, INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN

VOCcheckedAWM121019
121019
awm_R55929-005_2019_020M_F10

Gannett Fleming

FIGURE 11

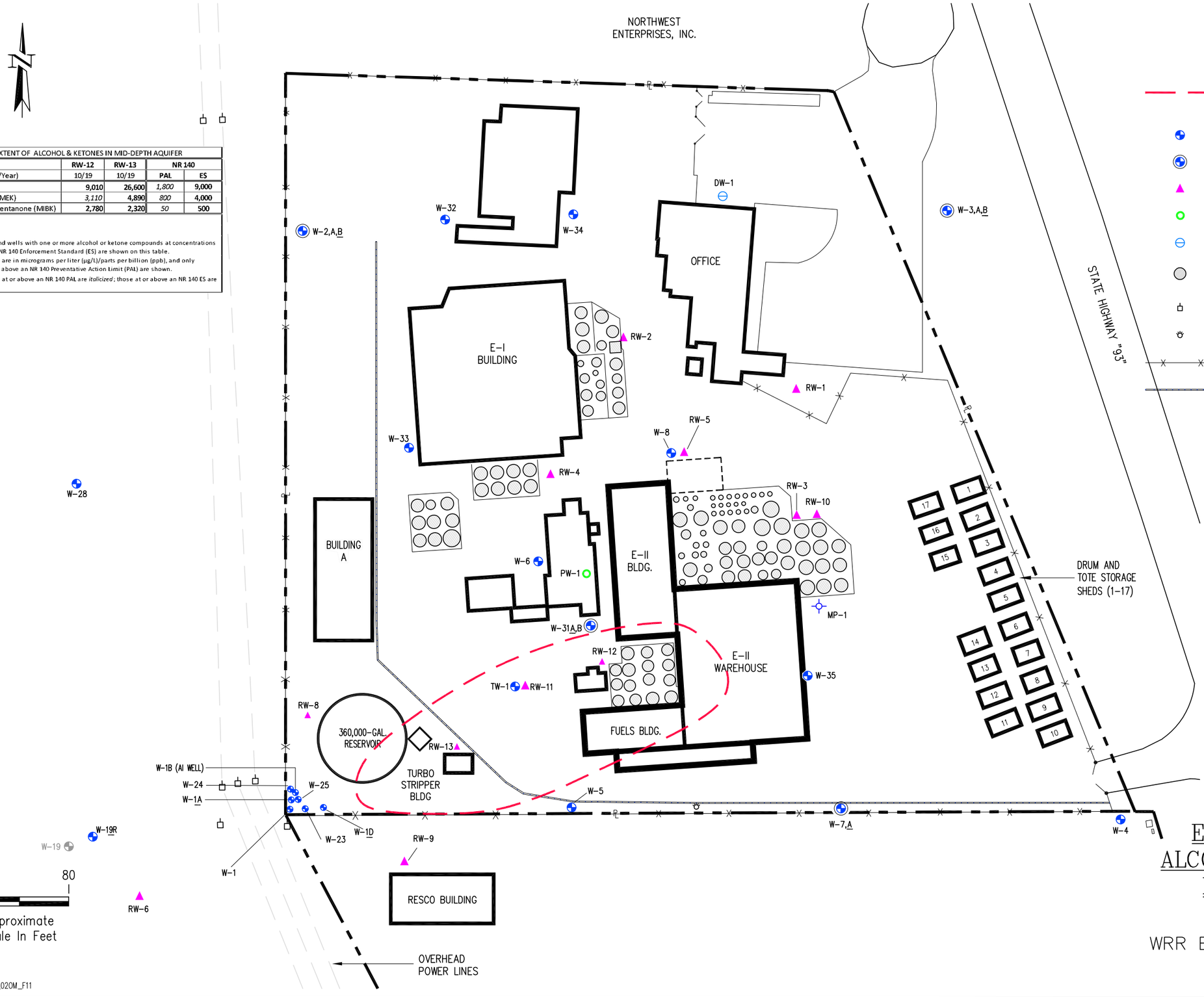
EXTENT OF ALCOHOL & KETONES IN MID-DEPTH AQUIFER				
Well ID	**RW-12**	**RW-13**	**NR 140**	
Date (Month/Year)	10/19	10/19	**PAL**	**ES**
Acetone	**9,010**	**26,600**	*1,800*	**9,000**
2-Butanone (MEK)	*3,110*	**4,890**	*800*	**4,000**
4-Methyl-2-Pentanone (MIBK)	**2,780**	**2,320**	*50*	**500**

NOTES:

Only borings and wells with one or more alcohol or ketone compounds at concentrations exceeding the NR 140 Enforcement Standard (ES) are shown on this table.

Concentrations are in micrograms per liter (µg/L)/parts per billion (ppb), and only concentrations above an NR 140 Preventative Action Limit (PAL) are shown.

Concentrations at or above an NR 140 PAL are *italicized*; those at or above an NR 140 ES are in **bold**.



LEGEND

- ESTIMATED EXTENT OF ALCOHOLS AND KETONES AT CONCENTRATIONS GREATER THAN AN NR 140 ES
- MONITORING WELL
- MONITORING WELL NEST
- RECOVERY WELL
- PRODUCTION WELL
- DRINKING WATER WELL
- ABOVEGROUND STORAGE TANK (APPROXIMATE LOCATION)
- POWER POLE
- LIGHT POLE
- FENCE
- SURFACE WATER DRAINAGE DITCH

NOTES

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. SITE FEATURES ARE APPROXIMATE.
3. ESTIMATED EXTENT OF ALCOHOLS AND KETONES AT CONCENTRATIONS GREATER THAN AN NR 140 ES IS BASED ON RESULTS OF SAMPLES COLLECTED FROM UNDERLINED WELLS IN OCTOBER 2018 UNLESS OTHERWISE NOTED.
4. BORINGS GP-28 THROUGH GP-58 WERE SAMPLED IN SEPTEMBER 2013; BORINGS GP-59 THROUGH GP-66 WERE SAMPLED IN NOVEMBER 2013; BORINGS GP-67 THROUGH GP-70 WERE SAMPLED IN SEPTEMBER 2014; BORINGS GP-71 THROUGH GP-85 WERE SAMPLED IN SEPTEMBER 2016; BORINGS GP-86 THROUGH GP-90 WERE SAMPLED IN JUNE 2018; BORINGS GP-91 THROUGH GP-95 WERE SAMPLED IN OCTOBER 2018.

ESTIMATED EXTENT OF ALCOHOLS AND KETONES IN MID-DEPTH AQUIFER (OCTOBER 2019)

WRR ENVIRONMENTAL SERVICES, INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN

112519
awm_R55929-005_2019_020M_F11

Gannett Fleming

FIGURE 12

MAP ID	COMPOUND NAME	NR 140 ES
B	BENZENE	5.0
EB	ETHYLBENZENE	700
TOL	TOLUENE	800
TMB	1,2,4- AND 1,3,5- TRIMETHYLBENZENE	480
XY	XYLENES	2,000

NOTES

ONLY COMPOUNDS AT CONCENTRATIONS ABOVE THEIR NR 140 ENFORCEMENT STANDARDS ARE SHOWN ON MAP.

NE=NO NR 140 ENFORCEMENT STANDARD EXCEEDANCES
HM=HIGH METHOD DETECTION LIMITS
ND=NOT DETECTED
NS=NOT SAMPLED

NORTHWEST ENTERPRISES, INC.

SCALE

STATE HIGHWAY "93"

OFFICE

E-I BUILDING

NORTHERN AI/SVE SYSTEM

E-II BLDG.

E-II WAREHOUSE

FUELS BLDG.

BUILDING A

MIDDLE AI/SVE SYSTEM

SOUTHERN AI/SVE SYSTEM

360,000-GAL. RESERVOIR

TURBO STRIPPER BLDG

DUMPSTER SHELTER

RESCO BUILDING

DRUM AND TOTE STORAGE SHEDS (1-17)

OVERHEAD POWER LINES

GP-63S
NE
GP-63D
EB=830
TOL=2,800
XY=2,870

GP-41
TOL=1,390

GP-64S
NE
GP-64D
TOL=1,500

GP-34
TOL=1,210

GP-33
EB=1,490
TOL=7,030
XY=6,460

GP-32
EB=2,590
TOL=7,890
XY=10,580

GP-74
EB=901
TOL=2,850
XY=3,970

GP-71
TOL=983
XY=2,854

RW-11
E=1,690
TOL=13,300
XY=7,880

TW-1
E=940
TMB=1,030
XY=4,700

RW-10
EB=1,000
TOL=14,100
XY=4,550

W-33
B=5.0J

GP-69
B=5.4

0 80
Approximate Scale In Feet

LEGEND

- ESTIMATED EXTENT OF PETROLEUM-RELATED COMPOUNDS AT CONCENTRATIONS GREATER THAN AN NR 140 ES
- ESTIMATED EXTENT OF PETROLEUM-RELATED COMPOUNDS AT CONCENTRATIONS ONE ORDER OF MAGNITUDE GREATER THAN AN NR 140 ES
- GEOPROBE BORING SAMPLE LOCATION
- MONITORING WELL
- MONITORING WELL NEST
- RECOVERY WELL
- PRODUCTION WELL
- DRINKING WATER WELL
- SEEP LOCATION
- ABOVEGROUND STORAGE TANK (APPROXIMATE LOCATION)
- POWER POLE
- LIGHT POLE
- FENCE
- SURFACE WATER DRAINAGE DITCH

NOTES

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. SITE FEATURES ARE APPROXIMATE.
3. THE LOCATIONS OF TANKS ARE APPROXIMATE AND THE SURVEYED LOCATIONS ARE SHOWN ON THE DRAWINGS IN THE FEASIBILITY AND PLAN OF OPERATION REPORT.
4. BORINGS GP-28 THROUGH GP-58 WERE SAMPLED IN SEPTEMBER 2013; BORINGS GP-59 THROUGH GP-66 WERE SAMPLED IN NOVEMBER 2013; BORINGS GP-67 THROUGH GP-70 WERE SAMPLED IN SEPTEMBER 2014; BORINGS GP-71 THROUGH GP-85 WERE SAMPLED IN SEPTEMBER 2016; BORINGS GP-86 THROUGH GP-90 WERE SAMPLED IN JUNE 2018; BORINGS GP-91 THROUGH GP-95 WERE SAMPLED IN OCTOBER 2018.
5. ALL CONCENTRATIONS SHOWN FOR VOCs IN WELLS ARE BASED ON SAMPLES COLLECTED MAY THROUGH OCTOBER 2019 UNLESS OTHERWISE NOTED. SEE NOTE #4 FOR THE DATES THAT GROUNDWATER SAMPLES WERE COLLECTED FORM EACH BORING.

ESTIMATED EXTENT OF PETROLEUM-RELATED COMPOUNDS IN SHALLOW AQUIFER (MAY-OCTOBER 2019)

WRR ENVIRONMENTAL SERVICES, INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN

010620
awm_R55929-005_2019_020M_F12

Gannett Fleming

FIGURE 13

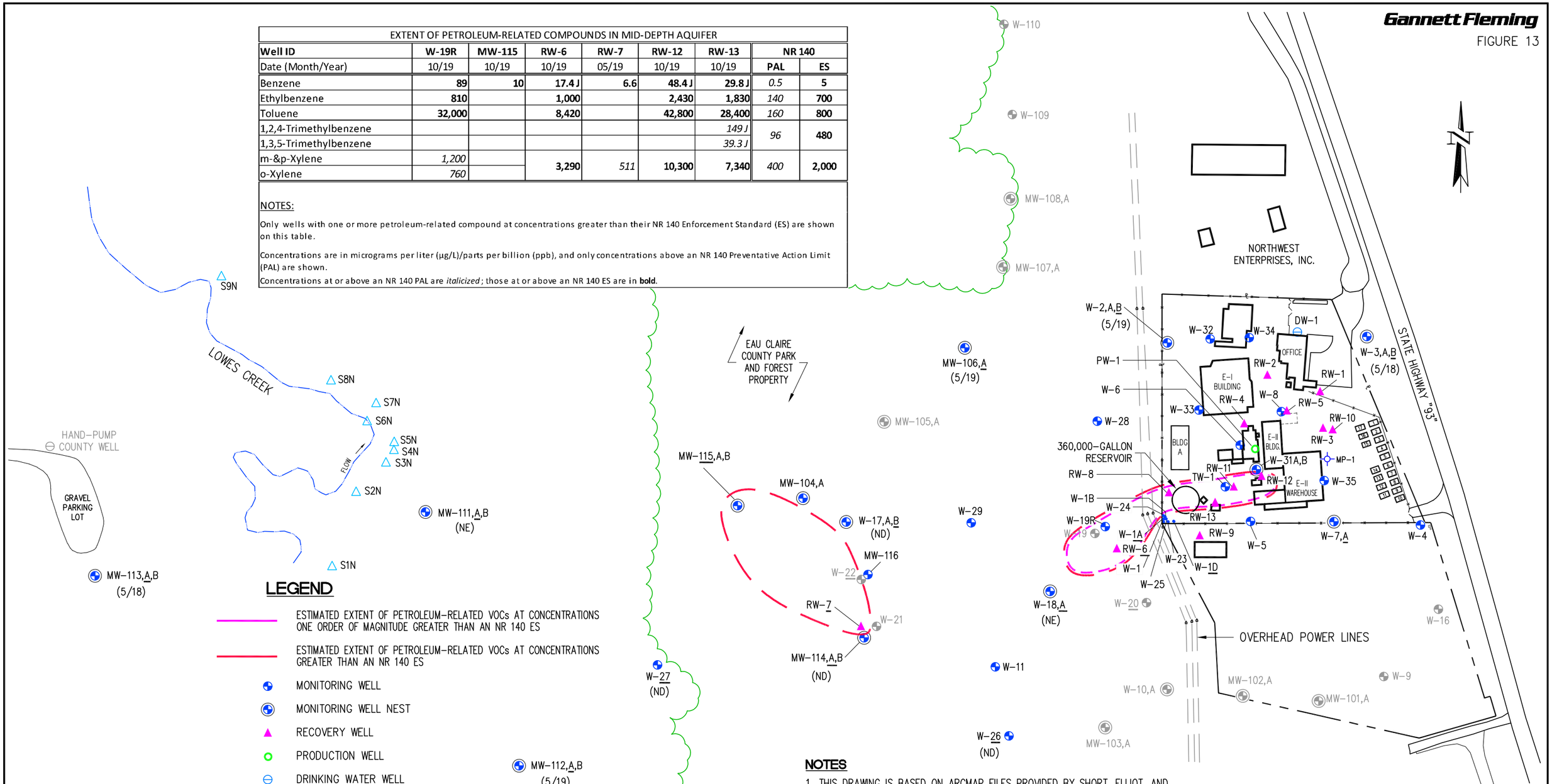
EXTENT OF PETROLEUM-RELATED COMPOUNDS IN MID-DEPTH AQUIFER								
Well ID	**W-19R**	**MW-115**	**RW-6**	**RW-7**	**RW-12**	**RW-13**	**NR 140**	
Date (Month/Year)	10/19	10/19	10/19	05/19	10/19	10/19	**PAL**	**ES**
Benzene	**89**	**10**	**17.4 J**	**6.6**	**48.4 J**	**29.8 J**	*0.5*	**5**
Ethylbenzene	**810**		**1,000**		**2,430**	**1,830**	*140*	**700**
Toluene	**32,000**		**8,420**		**42,800**	**28,400**	*160*	**800**
1,2,4-Trimethylbenzene						*149 J*	*96*	**480**
1,3,5-Trimethylbenzene						*39.3 J*		
m-&p-Xylene	*1,200*		**3,290**	*511*	**10,300**	**7,340**	*400*	**2,000**
o-Xylene	*760*							

NOTES:

Only wells with one or more petroleum-related compound at concentrations greater than their NR 140 Enforcement Standard (ES) are shown on this table.

Concentrations are in micrograms per liter (µg/L)/parts per billion (ppb), and only concentrations above an NR 140 Preventative Action Limit (PAL) are shown.

Concentrations at or above an NR 140 PAL are *italicized*; those at or above an NR 140 ES are in **bold**.



LEGEND

- ESTIMATED EXTENT OF PETROLEUM-RELATED VOCs AT CONCENTRATIONS ONE ORDER OF MAGNITUDE GREATER THAN AN NR 140 ES
- ESTIMATED EXTENT OF PETROLEUM-RELATED VOCs AT CONCENTRATIONS GREATER THAN AN NR 140 ES
- MONITORING WELL
- MONITORING WELL NEST
- RECOVERY WELL
- PRODUCTION WELL
- DRINKING WATER WELL
- SEEP LOCATION
- POWER POLE
- LIGHT POLE
- FENCE
- TREE LINE

0 250

Approximate Scale In Feet

NOTES

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. ESTIMATED EXTENT OF PETROLEUM-RELATED VOCS AT CONCENTRATIONS GREATER THAN AN NR 140 ES IS BASED ON RESULTS OF SAMPLES COLLECTED FROM UNDERLINED WELLS IN OCTOBER 2019 UNLESS OTHERWISE NOTED.
3. SITE FEATURES ARE APPROXIMATE.
4. SHADED WELLS W-9, W-16, W-21, AND MW-101 WERE REMOVED IN SEPTEMBER 2013, AND WELLS MW-107, MW-107A, MW-109, AND MW-110 WERE REMOVED IN SEPTEMBER 2014. WELLS MW-101A, MW-102, MW-102A, MW-103, MW-103A, MW-108, MW-108A, W-10, W-10A, W-20, AND W-22 WERE REMOVED IN JUNE 2018. LOWE'S CREEK HAND PUMP COUNTY WELL WAS REMOVED IN 2018.

ESTIMATED OFF-SITE EXTENT OF PETROLEUM-RELATED COMPOUNDS IN MID-DEPTH AQUIFER (MAY-OCTOBER 2019)

WRR ENVIRONMENTAL SERVICES, INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN

120919
awm_R55929-005_2019_020M_F13

Gannett Fleming

FIGURE 14

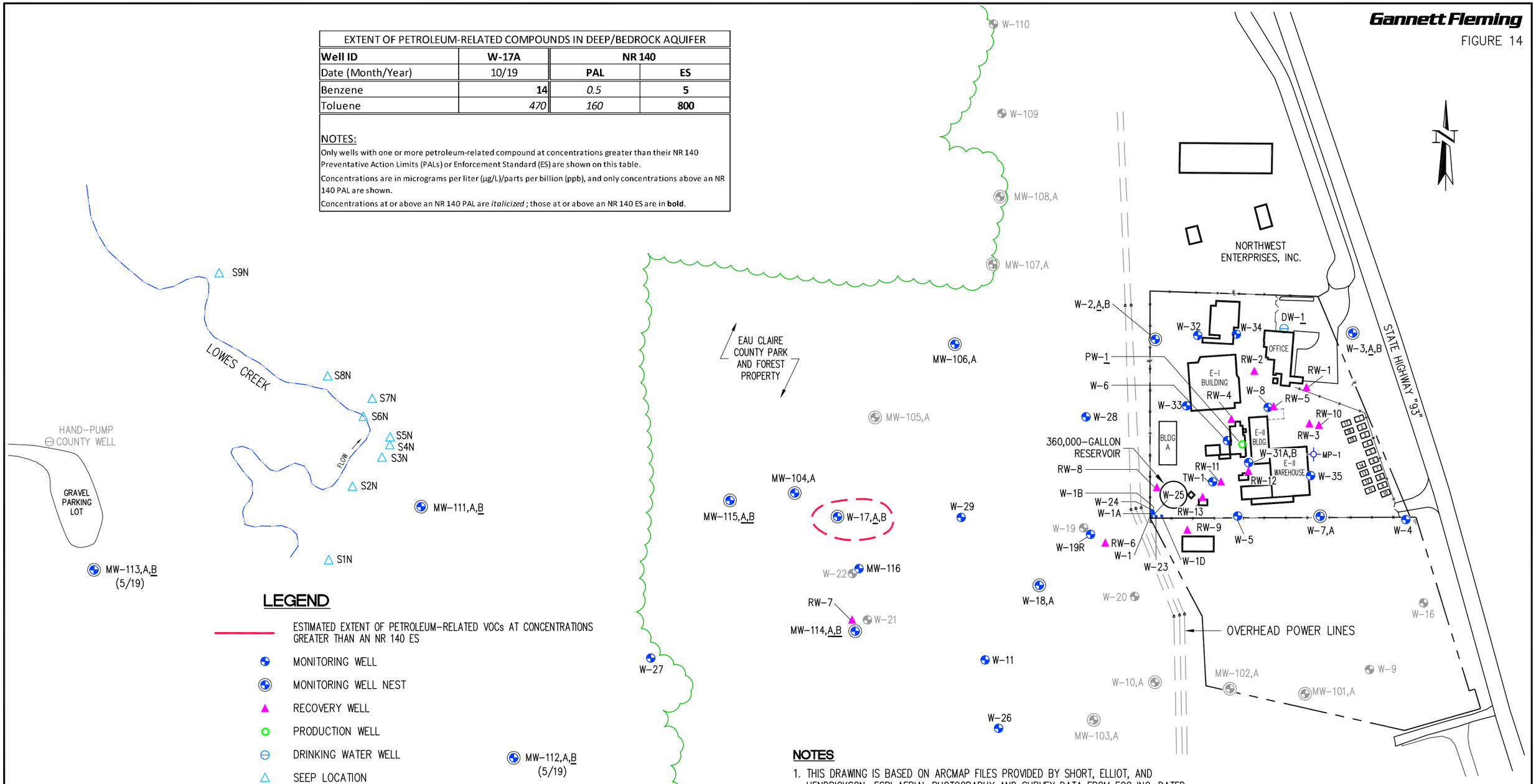
EXTENT OF PETROLEUM-RELATED COMPOUNDS IN DEEP/BEDROCK AQUIFER			
Well ID	**W-17A**	**NR 140**	
Date (Month/Year)	10/19	**PAL**	**ES**
Benzene	**14**	*0.5*	**5**
Toluene	*470*	*160*	**800**

NOTES:

Only wells with one or more petroleum-related compound at concentrations greater than their NR 140 Preventative Action Limits (PALs) or Enforcement Standard (ES) are shown on this table.

Concentrations are in micrograms per liter (µg/L)/parts per billion (ppb), and only concentrations above an NR 140 PAL are shown.

Concentrations at or above an NR 140 PAL are *italicized* ; those at or above an NR 140 ES are in **bold**.



LEGEND

- ESTIMATED EXTENT OF PETROLEUM-RELATED VOCs AT CONCENTRATIONS GREATER THAN AN NR 140 ES
- MONITORING WELL
- MONITORING WELL NEST
- RECOVERY WELL
- PRODUCTION WELL
- DRINKING WATER WELL
- SEEP LOCATION
- POWER POLE
- LIGHT POLE
- FENCE
- TREE LINE

0 250

Approximate Scale In Feet

NOTES

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. ESTIMATED EXTENT OF PETROLEUM-RELATED VOCS AT CONCENTRATIONS GREATER THAN AN NR 140 ES IS BASED ON RESULTS OF SAMPLES COLLECTED FROM UNDERLINED WELLS IN OCTOBER 2019 UNLESS OTHERWISE NOTED.
3. SITE FEATURES ARE APPROXIMATE.
4. WELLS W-9, W-16, W-19, W-21 AND MW-101 WERE ABANDONED IN SEPT. 2013. WELLS MW-107, MW-107A, MW-109 AND MW-110 WERE REMOVED IN SEPTEMBER 2014. WELLS MW-101A, MW-102, MW-102A, MW-103, MW-103A, MW-108, MW-108A, W-10, W-10A, W-20, AND W-22 WERE REMOVED IN JUNE 2018. LOWE'S CREEK HAND PUMP COUNTY WELL WAS REMOVED IN 2018.

ESTIMATED EXTENT OF PETROLEUM-RELATED COMPOUNDS IN DEEP/BEDROCK AQUIFER (OCTOBER 2019)

WRR ENVIRONMENTAL SERVICES, INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN

112519
awm_R55929-005_2019_020M_F14

Gannett Fleming

FIGURE 15

NORTHERN AREA INJECTION BORING LOCATIONS

WRR ENVIRONMENTAL SERVICES, CO., INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN

GP-59
GP-90
GP-88
GP-79
GP-87
GP-45
GP-60
GP-86
GP-77
GP-78
W-34
SVE-6
W-32
GP-44
W-2, W-2A & W-2B
GP-46
GP-47
GP-48
SVE-4
SVE-7
VP-1
DOCK #6 BUILDING
OFFICE
BUILDING E-1
CONCRETE DOCK AREA
PILOT TEST INJECTION AREAS (JUNE 2018)
UE
OHE
FE

NOTES

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996
2. SITE FEATURES ARE APPROXIMATE.
3. NOT ALL PROPOSED INJECTION BORINGS ARE SHOWN ON THIS FIGURE. TWO BORINGS WOULD BE LOCATED IN THE AREA BETWEEN BUILDING E-II AND THE SOUTHERN PORTION OF THE OFFICE BUILDING, SOUTHEAST OF SVE-4.

LEGEND

- GEOPROBE BORING SAMPLE LOCATION
- MONITORING WELL
- MONITORING WELL NEST
- SVE WELL
- UNDERGROUND ELECTRICAL
- FENCE
- PROPERTY LINE
- POWER POLE
- LIGHT POLE
- SURFACE WATER DRAINAGE DITCH
- PILOT TEST INJECTION BORING LOCATION (06/18)
- PHASE I INJECTION BORING LOCATION (10/18)
- PHASE II INJECTION BORING LOCATION (08/19)
- PROPOSED INJECTION BORING
- PILOT TEST AREA (06/18)
- INJECTED AREA
- PROPOSED INJECTION AREA

0 25
Approximate Scale In Feet

012220
awm_R55929-005_2019_020M_F15

Gannett Fleming

FIGURE 16

E-II BLDG

E-II WAREHOUSE

FUELS BLDG

DUMPSTER SHELTER

DELTA PAD

CONCRETE DOCK AREA

GP-55 RW-3 RW-10

GP-66 MP-1 GP-81 W-35 GP-80

GP-92 GP-94 GP-57 GP-95 GP-58 GP-82 GP-93 GP-91 GP-76 GP-28 GP-30 GP-29

17 16 2 3 15 4 5 6 14 7 13 8 12 9 11 10

ESTIMATED EXTENT OF GROUNDWATER WITH ONE OR MORE VOCs AT CONCENTRATIONS ONE ORDER OF MAGNITUDE ABOVE THEIR NR 140 ENFORCEMENT STANDARD

ESTIMATED EXTENT OF GROUNDWATER WITH ONE OR MORE VOCs AT CONCENTRATIONS TWO ORDERS OF MAGNITUDE ABOVE THEIR NR 140 ES

DRUM AND TOTE STORAGE SHEDS (1-17)

0 30

Approximate Scale In Feet

LEGEND

- INJECTION BORING LOCATION (8/19)
- PROPOSED INJECTION BORING LOCATION
- INJECTED AREA
- PROPOSED INJECTION AREA
- GEOPROBE BORING SAMPLE LOCATION
- MONITORING WELL
- MONITORING WELL NEST
- RECOVERY WELL
- 1-INCH-DIAMETER MONITORING POINT
- ABOVEGROUND STORAGE TANK (APPROXIMATE LOCATION)
- LIGHT POLE
- FENCE

W-7,A

NOTES:

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. THE LOCATIONS OF SITE FEATURES AND STORAGE TANKS ARE APPROXIMATE.
3. ONLY COMPOUNDS ABOVE THE NR 140 ES ARE SHOWN ON THIS FIGURE.
4. ALL CONCENTRATIONS ARE IN $\mu g/L$.
5. NE=NO NR 140 ES EXCEEDANCES.
6. BORINGS GP-28 THROUGH GP-58 WERE SAMPLED IN SEPTEMBER 2013. BORINGS GP-59 THROUGH GP-66 WERE SAMPLED IN NOVEMBER 2013. BORINGS GP-71 THROUGH GP-85 WERE SAMPLED IN SEPTEMBER 2016. BORINGS GP-91 THROUGH GP-95 WERE SAMPLED IN OCTOBER 2018. BORINGS A THROUGH M WERE INJECTED IN AUGUST 2019.

SOUTHEASTERN AREA INJECTION BORING LOCATIONS

WRR ENVIRONMENTAL SERVICES, CO., INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN

012220
awm_R55929-005_2019_020M_F16

Gannett Fleming

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 1

SUMMARY OF DETECTED COMPOUNDS IN RW-2, RW-4, RW-8 & RW-9 (JUNE 2013 THROUGH JULY 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Well ID, Lab, and Concentration (µg/ℓ)								
			6/13[1]	9/13	10/13	9/14		10/14		11/14	
			RW-9	RW-9	RW-9	RW-8	RW-9	RW-8	RW-9	RW-8	RW-9
			Pace	NLS	Pace	NLS	NLS	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	<2.6	<1.9	<2.6	<4.2	<4.2	4.3	<4.2	<4.2	4.7
Chloroethane	**400**	*80*	<0.44	<1.2	2.0	<1.3	<1.3	<1.2	<1.2	<1.3	<1.3
1,1-Dichloroethane	**850**	*85*	<0.28	2.2	3.5	0.29	0.87	1.5	0.32	0.79	<0.22
cis-1,2-Dichloroethylene	**70**	*7*	0.61	*8.1*	*12.5*	1.6	1.7	4.1	0.54	1.7	<0.15
Ethylbenzene	**700**	*140*	<0.50	5.6	5.1	<0.15	<0.15	<0.25	<0.25	<0.15	<0.15
Isopropyl Ether	NSE	NSE	<0.50	<0.64	<0.50	<0.15	<0.15	0.32	<0.13	0.22	<0.15
Isopropyl Alcohol	**3,000[2]**		<40.8	<8.7	<40.8	<7.3	<7.3	14	<8.7	<7.3	<7.3
Methyl-tert-butyl ether	**60**	*12*	<0.49	<0.19	0.58	0.24	<0.19	0.92	4.9	3.3	0.93
Methylene Chloride	**5**	*0.5*	<0.36	<0.40	*0.51*	<0.22	<0.22	<0.40	<0.40	<0.22	<0.22
Styrene	**100**	*10*	<0.35	0.19	<0.35	<0.097	<0.097	<0.14	<0.14	<0.097	<0.097
Toluene	**800**	*160*	<0.44	4.8	8.4	<0.17	<0.17	0.55	<0.16	<0.17	<0.17
Tetrachloroethylene	**5**	*0.5*	<0.47	*1.2*	*0.77*	<0.14	0.49	<0.22	<0.22	<0.14	<0.14
Trichloroethylene	**5**	*0.5*	<0.43	*0.69*	<0.36	<0.15	0.21	<0.27	<0.27	<0.15	<0.15
1,1,1-Trichloroethane	**200**	*40*	4.8	1.8	7.0	<0.20	<0.20	<0.15	0.47	<0.20	0.31
1,1,2-Trichloroethane	**5**	*0.5*	<0.17	<0.17	<0.17	<0.17	0.22	<0.18	<0.18	<0.17	<0.17
1,2,4-Trimethylbenzenze	**480**	*96*	<0.57	0.63	0.58	<0.12	<0.12	<0.28	<0.28	<0.12	<0.12
m-&p-Xylene	**2,000**	*400*	<0.82	11	12.6	<0.28	<0.28	<0.52	<0.52	<0.28	<0.28
o-Xylene			<0.50	7.1	6.1	<0.12	<0.12	0.37	<0.17	<0.12	<0.12
Vinyl Chloride	**0.2**	*0.02*	<0.18	**0.55**	**1.1**	<0.17	*0.18*	**1.1**	<0.17	**0.24**	<0.17
Total VOCs	NSE	NSE	**5.41**	**43.86**	**58.74**	**2.13**	**3.67**	**27.16**	**6.23**	**6.25**	**5.94**

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Well ID, Lab, and Concentration (µg/ℓ)								
			12/14		01/15	02/15		03/15		04/15	
			RW-8	RW-9	RW-9	RW-8	RW-9	RW-8	RW-9	RW-8	RW-9
			NLS	NLS	NLS	NLS	NLS	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	6.5	<4.2
Chloroethane	**400**	*80*	<1.2	<1.2	<1.3	<1.2	<1.2	<0.59	<0.59	<0.59	<0.59
1,1-Dichloroethane	**850**	*85*	0.56	<0.13	0.37	<0.25	0.37	<0.21	0.34	<0.21	0.56
cis-1,2-Dichloroethylene	**70**	*7*	0.88	<0.10	0.16	<0.30	<0.30	<0.22	0.28	<0.22	0.37
Ethylbenzene	**700**	*140*	<0.25	<0.25	<0.15	<0.22	<0.22	<0.17	<0.17	<0.17	<0.17
Isopropyl Ether	NSE	NSE	0.15	<0.13	<0.15	<0.24	<0.24	<0.21	<0.21	<0.21	<0.21
Isopropyl Alcohol	**3,000[2]**		10	18	<7.3	<5.9	7.6	<8.4	<8.4	31	<8.4
Methyl-tert-butyl ether	**60**	*12*	0.21	1.4	0.88	<0.28	0.74	0.99	0.25	9.2	0.52
4 Methyl-2-pentanone (MIBK)	**500**	*50*	<0.64	<0.64	<0.56	0.63	<0.31	<0.42	<0.42	<0.42	<0.42
Methylene Chloride	**5**	*0.5*	<0.40	<0.40	<0.22	<0.25	0.33	0.18	*0.73*	0.25	0.49
Styrene	**100**	*10*	<0.14	<0.14	<0.097	<0.19	<0.19	<0.15	<0.15	<0.15	<0.15
Toluene	**800**	*160*	<0.16	<0.16	<0.17	<0.18	<0.18	0.25	<0.20	<0.20	<0.20
Tetrachloroethylene	**5**	*0.5*	<0.22	<0.22	0.14	<0.21	<0.21	<0.22	<0.22	<0.22	0.32
Trichloroethylene	**5**	*0.5*	<0.27	<0.27	<0.15	<0.31	<0.31	<0.17	<0.17	<0.17	<0.17
1,1,1-Trichloroethane	**200**	*40*	<0.15	0.22	0.20	<0.26	<0.26	<0.20	<0.20	<0.20	<0.20
1,1,2-Trichloroethane	**5**	*0.5*	<0.18	<0.18	<0.17	<0.24	<0.24	<0.20	<0.20	<0.20	<0.20
1,2,4-Trimethylbenzenze	**480**	*96*	<0.28	<0.28	<0.12	<0.21	<0.21	<0.17	<0.17	<0.17	<0.17
m-&p-Xylene	**2,000**	*400*	<0.52	<0.52	<0.28	<0.42	<0.42	<0.40	<0.40	<0.40	<0.40
o-Xylene			<0.17	<0.17	<0.12	<0.26	<0.26	<0.17	<0.17	<0.17	<0.17
Vinyl Chloride	**0.2**	*0.02*	<0.17	<0.17	<0.17	<0.16	<0.16	<0.20	<0.20	<0.20	<0.20
Total VOCs	NSE	NSE	**11.80**	**19.62**	**1.75**	**0.63**	**9.04**	**1.42**	**1.60**	**46.95**	**2.26**

Gannett Fleming

TABLE 1

SUMMARY OF DETECTED COMPOUNDS IN RW-2, RW-4, RW-8 & RW-9 (JUNE 2013 THROUGH JULY 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Well ID, Lab, and Concentration (µg/ℓ)							
			05/15		06/15		05/16			
			RW-8	RW-9	RW-8	RW-9	RW-2	RW-4	RW-8	RW-9
			NLS	NLS	NLS	NLS	Pace	Pace	Pace	Pace
Acetone	**9,000**	*1,800*	<4.2	<4.2	<4.2	<4.2	68.5	161	*3,340*	<3.0
Bromodichloromethane	**0.6**	*0.06*	ND	ND	ND	ND	<5.0	<2.0	ND	ND
Bromoform	**4.4**	*0.44*	ND	ND	ND	ND	<5.0	<2.0	ND	ND
Chloroethane	**400**	*80*	<1.2	<1.2	<1.2	<1.2	68.4	2.5	<9.4	<0.37
Chloroform	**6**	*0.6*	ND	ND	ND	ND	<25.0	<10.0	ND	ND
Dibromochloromethane	**60**	*6*	ND	ND	ND	ND	<5.0	<2.0	ND	ND
Dibromomethane	NSE	NSE	ND	ND	ND	ND	<4.3	<1.7	ND	ND
1,1-Dichloroethane	**850**	*85*	<0.25	0.71	<0.25	0.65	*99.8*	2.0	<6.0	0.36
1,1-Dichloroethene	**7**	*0.7*	ND	ND	ND	ND	**30.7**	<1.6	ND	ND
1,2-Dichloroethane	**5**	*0.5*	ND	ND	ND	ND	**5.8**	<0.67	ND	ND
cis-1,2-Dichloroethylene	**70**	*7*	<0.30	1.1	<0.30	0.41	**954**	1.7	<6.4	0.36
1,2-Dichloropropane	**5**	*0.5*	ND	ND	ND	ND	**8.9**	<0.93	ND	ND
Ethylbenzene	**700**	*140*	<0.22	<0.22	<0.22	<0.22	15.8	<2.0	<12.5	<0.50
Isopropyl Ether	NSE	NSE	<0.24	<0.24	<0.24	<0.24	<5.0	<2.0	<12.5	<0.50
Isopropyl Alcohol	**3,000**[(2)]		<5.9	12	<5.9	<5.9	<243	<97.4	<609	<24.3
Methyl-tert-butyl ether	**60**	*12*	1.2	0.67	<0.28	<0.28	<1.7	<0.70	<4.4	<0.17
4 Methyl-2-pentanone (MIBK)	**500**	*50*	<0.31	<0.31	<0.31	<0.31	*260*	<8.6	<53.5	<2.1
Methylene Chloride	**5**	*0.5*	0.25	0.44	<0.25	<0.25	**12.0**	*1.4*	<5.8	*1.1*
Methyl Ethyl Ketone	**4000**	*800*	ND	ND	ND	ND	<29.8	23.8	*1,340*	<3.0
Styrene	**100**	*10*	<0.19	<0.19	<0.19	<0.19	<5.0	<2.0	<12.5	<0.50
Toluene	**800**	*160*	<0.18	<0.18	<0.18	<0.18	*188*	<2.0	<12.5	<0.50
Tetrachloroethylene	**5**	*0.5*	<0.21	<0.21	<0.21	<0.21	**41.5**	<2.0	<12.5	<0.50
Trichloroethylene	**5**	*0.5*	<0.31	<0.31	<0.31	<0.31	**27.0**	*<1.3*	<8.3	*1.3*
1,1,1-Trichloroethane	**200**	*40*	<0.26	0.30	<0.26	0.53	**1,220**	2.3	<12.5	2.0
1,1,2-Trichloroethane	**5**	*0.5*	<0.24	<0.24	<0.24	<0.24	**11.2**	<0.79	<4.9	<0.20
1,2,4-Trimethylbenzenze	**480**	*96*	<0.21	<0.21	<0.21	<0.21	<5.0	<2.0	<12.5	<0.50
m-&p-Xylene	**2,000**	*400*	<0.42	<0.42	<0.42	<0.42	<10.0	<4.0	<25.0	<1.0
o-Xylene			<0.26	<0.26	<0.26	<0.26	12.7	<2.0	<12.5	<0.50
Vinyl Chloride	**0.2**	*0.02*	<0.16	<0.16	<0.16	<0.16	**13.1**	<0.70	<4.4	<0.18
Total VOCs	NSE	NSE	**1.45**	**15.22**	**0.00**	**1.59**	**3,037**	**194.7**	**4,680**	**5.1**

Gannett Fleming

TABLE 1

SUMMARY OF DETECTED COMPOUNDS IN RW-2, RW-4, RW-8 & RW-9 (JUNE 2013 THROUGH JULY 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Well ID, Lab, and Concentration (µg/ℓ)								
			10/16				10/17				
			RW-2	RW-4	RW-8	RW-9	RW-2	RW-4	RW-8	RW-8 Dup	RW-9
			NLS	NLS	NLS	NLS	Pace	Pace	Pace	Pace	Pace
Acetone	**9,000**	*1,800*	<210	7.5	*3,000*	26	79.9	23.8	11.0	12.8	30.7
Bromobenzene	NSE	NSE	ND	ND	ND	ND	<5.8	<0.23	<0.23	<0.23	1.4
Bromodichloromethane	**0.6**	*0.06*	<9.7	<0.19	<9.7	**2.4**	<12.5	<0.50	<0.50	<0.50	**6.3**
Bromoform	**4.4**	*0.44*	<7.9	<0.16	**13**	**32**	<12.5	<0.50	<0.50	<0.50	**361**
Chloroethane	**400**	*80*	<77	35	<77	<0.93	*178*	1.7	<0.37	<0.37	<1.5
Chloroform	**6**	*0.6*	<8.4	<0.17	<8.4	0.59	<62.5	<2.5	<2.5	<2.5	<10.0
Dibromochloromethane	**60**	*6*	<8.6	<0.17	<8.6	*13*	<12.5	<0.50	<0.50	<0.50	*38.8*
Dibromomethane	NSE	NSE	<10	<0.21	<10	0.34	<10.7	<0.43	<0.43	<0.43	<1.7
1,1-Dichloroethane	**850**	*85*	46	2.7	<9.0	0.21	*749*	0.56	0.47	0.56	<0.97
1,1-Dichloroethene	**7**	*0.7*	<8.1	<0.16	<8.1	<0.20	**95.0**	<0.41	<0.41	<0.41	<1.6
1,2-Dichloroethane	**5**	*0.5*	<9.7	0.24	ND	ND	**13.6**	0.31	<0.17	<0.17	<0.67
cis-1,2-Dichloroethylene	**70**	*7*	**650**	0.52	<8.8	0.94	**2,300**	<0.26	0.83	0.74	<1.0
trans 1,2-Dichloroethene	**100**	*20*	<7.3	0.46	ND	ND	10.5	<0.26	<0.26	<0.26	<1.0
1,2-Dichloropropane	**5**	*0.5*	<12	<0.24	<12	<0.28	**23.3**	<0.23	<0.23	<0.23	<0.93
Ethylbenzene	**700**	*140*	<15	<0.30	<15	<0.19	64.4	1.2	<0.50	<0.50	<2.0
Isopropyl Alcohol	**3,000**[(2)]		<250	23	770	49	<609	<24.3	<24.3	<24.3	<97.4
Methyl-tert-butyl ether	**60**	*12*	<11	0.48	<11	<0.21	7.3	0.36	0.37	0.26	<0.70
4 Methyl-2-pentanone (MIBK)	**500**	*50*	<20	1.2	<20	<0.54	<53.5	<2.1	<2.1	<2.1	<8.6
Methylene Chloride	**5**	*0.5*	**14**	*1.8*	<9.9	*1.3*	**21.7**	<0.23	<0.23	<0.23	<0.93
Methyl Ethyl Ketone	**4,000**	*800*	<25	0.71	*1,500*	3.1	<74.5	<3.0	14.9	18.5	<11.9
Styrene	**100**	*10*	<8.0	<0.16	<8.0	<0.19	<12.5	<0.50	<0.50	<0.50	<2.0
Toluene	**800**	*160*	<9.6	1.7	28	0.44	*455*	12.6	5.5	6.3	<2.0
Tetrachloroethylene	**5**	*0.5*	**8.7**	*0.64*	<8.3	0.40	**72.3**	<0.50	<0.50	<0.50	<2.0
Trichloroethylene	**5**	*0.5*	<12	<0.24	<12	*1.8*	**42.1**	<0.33	*0.57*	*0.51*	<1.3
1,1,1-Trichloroethane	**200**	*40*	**340**	<0.17	<8.6	2.8	**1,160**	<0.50	<0.50	<0.50	<2.0
1,1,2-Trichloroethane	**5**	*0.5*	**18**	<0.17	<8.4	<0.20	**33.2**	<0.20	<0.20	<0.20	<0.79
1,2,4-Trimethylbenzenze	**480**	*96*	<9.2	<0.18	<9.2	<0.21	15.0	<0.50	<0.50	<0.50	<2.0
m-&p-Xylene	**2,000**	*400*	<16	0.49	<16	<0.37	191	2.3	1.1	<1.0	<4.0
o-Xylene			<7.9	0.18	<7.9	<0.19	87.8	0.82	<0.50	<0.50	<2.0
Vinyl Chloride	**0.2**	*0.02*	<8.1	**0.38**	<8.1	<0.17	**98.1**	<0.18	*0.19*	<0.18	<0.70
Total VOCs	NSE	NSE	**1,076.7**	**77.0**	**5,311**	**134.3**	**5,519.2**	**43.7**	**34.9**	**39.7**	**438.2**

Gannett Fleming

TABLE 1

SUMMARY OF DETECTED COMPOUNDS IN RW-2, RW-4, RW-8 & RW-9 (JUNE 2013 THROUGH JULY 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Well ID, Lab, and Concentration (µg/ℓ)								
			05/18			10/18			05/19	07/19	
			RW-2	RW-8	RW-9	RW-2	RW-8	RW-9	RW-2	RW-8	
			ALS	ALS	ALS	ALS	ALS	ALS	ALS	Pace	
Acetone	**9,000**	*1,800*	88	3.1	32	11	<0.92	<0.92	20	4.5	
Benzene	**5**	*0.5*	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.46	<0.25	
Bromomethane	**10**	*1*	<0.38	<0.38	**14**	<0.38	<0.38	<0.38	<0.90	<0.97	
Chloroethane	**400**	*80*	9.3	<0.29	<0.29	0.94	<0.29	<0.29	18	<1.3	
Chloroform	**6**	*0.6*	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.46	<1.3	
1,2-Dichlorobenzene	**600**	*60*	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	0.33	<0.50	
Dichlorodifluoromethane	**1,000**	*200*	ND	ND	ND	ND	ND	ND	1.1	<0.50	
1,1-Dichloroethane	**850**	*85*	37	<0.31	<0.31	2.0	<0.31	<0.31	73	0.37	
1,1-Dichloroethene	**7**	*0.7*	0.29	<0.28	<0.28	<0.28	<0.28	<0.28	**7.3**	<0.24	
1,2-Dichloroethane	**5**	*0.5*	*1.3*	<0.17	<0.17	<0.17	<0.17	<0.17	*1.8*	<0.28	
cis-1,2-Dichloroethylene	**70**	*7*	*63*	<0.25	<0.25	5.2	1.5	0.89	**220**	0.83	
trans 1,2-Dichloroethene	**100**	*20*	1.4	<0.28	<0.28	<0.28	<0.28	<0.28	1.2	<1.1	
1,2-Dichloropropane	**5**	*0.5*	*2.0*	<0.25	<0.25	<0.25	<0.25	<0.25	*2.8*	<0.28	
Diisopropyl Ether	NSE	NSE	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.41	<1.9	
Ethylbenzene	**700**	*140*	2.5	0.77	0.50	1.1	<0.40	<0.40	18	<0.22	
Isopropyl Alcohol	**3,000**[(2)]		--	--	--	<33	<33	<33	<66	--	
Isopropylbenzene	NSE	NSE	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	0.83	<0.39	
Methyl-tert-butyl ether	**60**	*12*	3.4	<0.12	<0.12	0.95	<0.12	<0.12	2.5	<1.2	
4 Methyl-2-pentanone (MIBK)	**500**	*50*	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.52	<1.5	
Methylene Chloride	**5**	*0.5*	*2.8*	<0.56	<0.56	*1.3*	<0.56	<0.56	**6.8**	<0.58	
Methyl Ethyl Ketone (2-Butanone)	**4,000**	*800*	34	<0.58	7.8	1.7	<0.58	<0.58	3.8	<2.9	
Naphthalene	**100**	*10*	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.77	<1.2	
n-Propylbenzene	NSE	NSE	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	0.98	<0.81	
Toluene	**800**	*160*	12	0.58	3.2	3.9	<0.37	<0.37	36	1.8	
Tetrachloroethylene	**5**	*0.5*	**21**	<0.27	<0.27	**9.9**	*1.0*	*0.78*	**32**	<0.33	
Trichloroethylene	**5**	*0.5*	**12**	<0.30	<0.30	*4.0*	*1.0*	*0.93*	**24**	<0.26	
1,1,1-Trichloroethane	**200**	*40*	30	<0.36	<0.36	3.4	0.88	1.8	*76*	0.49	
1,1,2-Trichloroethane	**5**	*0.5*	*3.3*	<0.40	<0.40	<0.40	<0.40	<0.40	**5.3**	<0.55	
1,2,4-Trimethylbenzenze	**480**	*96*	0.70	<0.37	<0.37	<0.37	<0.37	<0.37	5.2	<0.84	
1,3,5-Trimethylbenzenze			<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	0.96	<0.87	
m-&p-Xylene	**2,000**	*400*	7.4	1.1	1.2	2.9	<0.98	<0.98	47	<0.47	
o-Xylene			3.7	<0.35	0.50	1.1	<0.35	<0.35	8.1	<0.26	
Vinyl Chloride	**0.2**	*0.02*	**7.1**	<0.20	<0.20	**3.1**	<0.20	<0.20	**62**	<0.17	
Total VOCs	NSE	NSE	**342.2**	**5.6**	**59.2**	**52.5**	**4.4**	**4.4**	**553**	**3.1**	

NOTES:

Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).

Detected concentrations at or above an applicable NR 140 PAL but less than an applicable ES are italicized.

Detected concentrations at or above an applicable NR 140 ES are in bold.

NR 140 ES and PAL values listed on table downloaded on 12/17/18 from WAC website - http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf, s. NR 140.10, Wis. Adm. Code, Table 1, Register February 2017 No. 734.

Samples were analyzed for a full suite of VOCs using Method 8260. Only compounds detected in one or more samples are listed on this table.

NA = Compound not analyzed.

ND = Compound not detected. See lab report for results.

NSE = No standard exists in NR 140 for this substance/group.

Total VOCs = Summation of the detected volatile organic compounds on the sample month/year shown.

FOOTNOTES:

(1) The June 2013 sample was collected from RW-9 under non-pumping conditions.

(2) There is no NR 140 PAL or ES for 2-propanol (aka isopropyl alcohol). The WDNR has recommended using the health advisory limit of 3,000 ppb based on a 10^{-6} cancer risk taken from the following website: http://dnr.wi.gov/topic/drinkingwater/documents/haltable.pdf.

WRR ENVIRONMENTAL SERVICES, INC.
EAU CLAIRE, WISCONSIN

TABLE 2

ESTIMATED VOLUME OF WATER & MASS OF VOCs REMOVED BY RW-8 & RW-9
JUNE 2013 - JUNE 2015

Sample Date	Meter Reading Date	Total Volume of Water Pumped (gallons)	Total VOC Concentration (µg/ℓ)[1]	Incremental Mass of VOCs Removed (lbs)	Cumulative Mass of VOCs Removed (lbs)
06/11/13	06/13/13	230	5.41	0.000010	0.000010
09/24/13	09/30/13	8,830	43.86	0.0018	0.0018
10/30/13	10/31/13	10,069	58.74	0.0005	0.0023
09/09/14	09/09/14	257,570	2.90	0.064	0.066
10/08/14	10/31/14	372,330	16.70	0.0094	0.075
11/12/14	11/12/14	379,270	6.10	0.00066	0.076
12/04/15	12/04/14	387,100	15.71	0.00071	0.0767
01/07/15	01/07/15	393,200	1.75	0.00044	0.0772
02/04/15	02/04/15	412,620	4.84	0.00053	0.0777
03/11/15	03/11/15	421,530	1.51	0.00024	0.0779
04/09/15	04/09/15	428,200	24.61	0.00073	0.0787
05/05/15	05/05/15	433,500	8.34	0.00073	0.0794
06/03/15	06/03/15	437,950	0.80	0.00017	0.080

ESTIMATED VOLUME OF WATER & MASS OF VOCs REMOVED BY
RW-2, RW-4, RW-8, & RW-9 (MAY 2016 - JULY 2019)

Sample Date	Meter Reading Date	Total Volume of Water Pumped (gallons)	Total VOC Concentration (µg/ℓ)[2]	Incremental Mass of VOCs Removed (lbs)	Cumulative Mass of VOCs Removed (lbs)
05/25/16	05/25/16	728,425	1,949.9	2.36	2.44
10/05/16	10/05/16	960,658	1,649.8	3.49	5.93
12/29/16[3]	12/29/16	1,171,933	1,649.8	2.91	8.84
07/31/17[4]	07/31/17	1,674,346	1,649.8	6.92	15.76
10/04/17	10/04/17	1,946,430	1,215.1	3.25	19.01
5/10/18[5]	05/10/18	3,476,599	135.7	8.62	27.63
10/19/18[5]	10/19/18	3,600,202	20.4	0.080	27.71
7/2/2019[6]	10/31/19	4,254,083	3.1	0.064	27.78

TABLE 2

ESTIMATED VOLUME OF WATER & MASS OF VOCs REMOVED BY RW-8 & RW-9
JUNE 2013 - JUNE 2015

NOTES:

Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).

Total VOC Concentration = Total detected VOCs in sample on date shown (see Table 1).

RW-8 and RW-9 were restarted on 7/11/13.

RW-2 and RW-4 were restarted on 720/15 and RW-10 was started on 7/24/15.

The water pumped by RW-2, RW-4, RW-8, RW-9, RW-10 and RW-12 is discharged through the same "combined" flowmeter into the Turbostripper. RW-2, RW-4, RW-8, and RW-9 are not metered separately. RW-12 and RW-10 have separate flowmeters at their respective wellheads.

1,523,850 gallons are subtracted from all combined meter readings measured in the field to account for the combined meter's initial reading on July 11, 2013, when RW-8 and RW-9 were restarted.

The adjusted volume of water pumped by RW-10 measured on each date (as shown in Table 8 of GF's O&M Reports) is subtracted from all combined meter readings after July 2015 to calculate the volume of water pumped from RW-2, RW-4, RW-8, and RW-9.

FOOTNOTES:

(1) Total VOC concentrations between July 2013 and June 2015 were calculated by adding the total VOC concentrations measured in RW-8 and RW-9 on each date and dividing that total by 2.

(2) Total VOC concentrations after June 2015 were calculated by adding the total VOC concentrations measured in RW-2, RW-4, RW-8, and RW-9 on each date and dividing that total by 4.

(3) Because no VOC samples were collected from RW-2, RW-4, RW-8, or RW-9 after October 5, 2016, the total VOC mass removed by RW-10 through December 29, 2016, was calculated by using the total VOC concentrations calculated for October 2016.

(4) No samples were collected from RW-2, RW-4, RW-8, or RW-9 between October 2016 and July 31, 2017. The mass of VOCs measured on October 6, 2016, was used to estimate the mass of VOCs removed by the combined pumping of these four wells between October 6, 2016, and July 31, 2017.

(5) Total VOC concentrations for May and October 2018 were calculated by adding the total VOC concentrations measured in RW-2, RW-8, and RW-9 on each date and dividing that total by 3.

(6) Total VOC concentrations for July 2019 equals the concentration measured in RW-8.

Calculation of Incremental Mass of VOCs Removed:

$[(V_2 - V_{1)} \times (C_2 + C_1)/2 \times 3.785 \text{ l/gal}] \times 1 \text{ lb}/453{,}600{,}000 \text{ µg}$

Where: V_2 = total volume of water pumped on date of sample in gallons
V_1 = total volume of water pumped on date of previous sample used in calculation in gallons
C_2 = total VOC concentration measured on date of sample in µg/ℓ
C_1 = total VOC concentration measured on previous sample date in µg/ℓ

With the exception of the first sample date shown on the table, all VOC concentrations used to calculate the incremental mass of VOCs removed during a given time period are the average of the total VOC concentrations measured on the current and previous sample dates.

Gannett Fleming

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 3

SUMMARY OF DETECTED COMPOUNDS IN RW-6 (OCTOBER 2013 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			10/13	03/14	4/14	5/14	7/14	8/14
			Pace	NLS	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	543	*2,500*	*2,800*	*2,200*	*6,000*	*3,800*
Benzene	**5**	*0.5*	<50.0	**32**	**33**	**33**	<180	<66
Chloroethane	**400**	*80*	*296*	*210*	*230*	*190*	<1,300	<590
1,1-Dichloroethane	**850**	*85*	47.4	*93*	*88*	*88*	<220	*110*
1,2-Dichloroethane	**5**	*0.5*	<47.6	**14**	<12	<11.0	<210	<120
cis-1,2-Dichloroethylene	**70**	*7*	**301**	**160**	**140**	**110**	<150	**76**
Ethylbenzene	**700**	*140*	**1,080**	120	*230*	*400*	<150	*560*
Isopropyl Alcohol	**3,000**[(1)]		<4,080	**3,100**	2,200	2,100	<7,300	<4,400
Isopropyl Ether	**NSE**	NSE	<50.0	24	21	13	<150	<63
Methylene Chloride	**5**	*0.5*	**51.5**	<20	<20	<11	<220	<200
Methyl Ethyl Ketone	**4,000**	*800*	<270	580	560	310	<1,000	670
4 Methyl-2-pentanone (MIBK)	**500**	*50*	**1,110**	**1,100**	**810**	**1,100**	<560	**960**
Toluene	**800**	*160*	**11,500**	**7,300**	**8,200**	**9,200**	**7,300**	**9,500**
1,2,4-Trimethylbenzene	**480**	*96*	<50.0	38	32	22	<120	<140
1,3,5-Trimethylbenzene			ND	ND	ND	10	<130	<140
m-&p-Xylene	**2,000**	*400*	**2,310**	**1,700**	**1,700**	**2,000**	*1,500*	**2,100**
o-Xylene			**607**	**520**	**490**	**630**	*390*	**630**
Vinyl Chloride	**0.2**	*0.02*	**151**	**110**	**99**	**110**	<170	**100**
Total VOCs	NSE	NSE	17,454	17,601	17,633	18,516	15,190	18,506

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			9/14	10/14	10/14	11/14	12/14	01/15
			NLS	NLS	Pace	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	*4,400*	*3,400*	*6,660*	*6,400*	*4,500*	*4,700*
Chloroethane	**400**	*80*	<1,000	<940	*264*	<150	<1200	<1300
1,1-Dichloroethane	**850**	*85*	<170	<100	*139*	<170	<130	<220
cis-1,2-Dichloroethylene	**70**	*7*	<120	**98**	**83.7**	<120	<100	<150
Ethylbenzene	**700**	*140*	<120	*530*	*401*	<120	*420*	*520*
Isopropyl Alcohol	**3,000**[(1)]		<5,900	<7,000	**3,240**	<5,900	<8,700	<7,300
Methyl Ethyl Ketone	**4,000**	*800*	<800	<800	735	<800	<1,000	<1,000
4 Methyl-2-pentanone (MIBK)	**500**	*50*	**1,500**	**1,000**	**1,230**	**1,200**	**1,500**	**1,100**
Toluene	**800**	*160*	**14,000**	**11,000**	**11,000**	**12,000**	**13,000**	**12,000**
m-&p-Xylene	**2,000**	*400*	**2,800**	**2,500**	**1,830**	**2,400**	**2,500**	**2,700**
o-Xylene			**790**	**770**	**481**	**720**	**780**	**800**
Vinyl Chloride	**0.2**	*0.02*	<130	**140**	**87.6**	<130	<170	<170
Total VOCs	NSE	NSE	23,490	19,438	26,151	22,720	22,700	21,820

TABLE 3

SUMMARY OF DETECTED COMPOUNDS IN RW-6 (OCTOBER 2013 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			02/15	03/15	04/15	05/15	06/15	07/15
			NLS	NLS	NLS	NLS	NLS	NLS
Ethylbenzene	**700**	*140*	**900**	<140	**850**	**890**	**850**	**760**
4 Methyl-2-pentanone (MIBK)	**500**	*50*	*440*	**810**	<330	**580**	**570**	*350*
Toluene	**800**	*160*	**8,700**	**10,000**	**7,600**	**10,000**	**7,500**	**6,100**
m-&p-Xylene	**2,000**	*400*	**2,200**	**2,400**	**1,700**	**2,000**	*1,600*	*1,500*
o-Xylene			**580**	**690**	**470**	**580**	*350*	*420*
Vinyl Chloride	**0.2**	*0.02*	<160	<160	<160	<120	<120	**130**
Total VOCs	NSE	NSE	12,820	13,900	10,620	14,050	10,870	9,260

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			08/15	09/15	10/15	11/15	12/15	04/16
			NLS	NLS	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	<2,100	<2,000	<830	<830	<830	*3,000*
Chloroethane	**400**	*80*	<610	<740	<120	<250	<250	*200*
Ethylbenzene	**700**	*140*	**780**	**885**	**720**	**880**	*680*	**1,200**
Isopropyl Alcohol	**3,000**[(1)]		<2,900	<1,700	<1700	<1,200	<1,200	**3,400**
Methylene Chloride	**5**	*0.5*	**190**	<120	<36	**110**	<51	<47
Methyl Ethyl Ketone	**4,000**	*800*	<500	<150	<200	<200	<200	700
4 Methyl-2-pentanone (MIBK)	**500**	*50*	*390*	*156*	<83	<62	<62	**1,100**
Toluene	**800**	*160*	**5,100**	**5,060**	**2,100**	**3,100**	**2,100**	**11,000**
1,2,4-Trimethylbenzene	**480**	*96*	<100	<140	<33	<41	<41	44
1,3,5-Trimethylbenzene			<130	<46	<41	<52	<52	<43
m-&p-Xylene	**2,000**	*400*	*1,600*	**1,640**	*1,300*	**1,700**	*1,300*	**2,700**
o-Xylene			*380*	**479**	*360*	**450**	*350*	**770**
Vinyl Chloride	**0.2**	*0.02*	**94**	<100	**41**	**48**	**45**	<34
Total VOCs	NSE	NSE	8,534	8,220	4,521	6,288	4,475	24,114

TABLE 3

SUMMARY OF DETECTED COMPOUNDS IN RW-6 (OCTOBER 2013 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			05/16	05/16	07/16	08/16	09/16	10/16
			Pace	NLS	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	*3,740*	*6,700*	<4,200	<4,200	<3,300	<3,300
Chloroethane	**400**	*80*	*273*	<1500	<1500	<930	<740	<1,200
1,1-Dichloroethane	**850**	*85*	54.6	<180	<180	<190	<150	<140
cis-1,2-Dichloroethylene	**70**	*7*	*39*	<180	<180	<240	<190	<140
Ethylbenzene	**700**	*140*	**978**	**1,200**	**910**	**1,100**	**880**	**930**
Isopropyl Alcohol	**3,000[1]**		**3,910**	**5,500**	<5,000	<4,400	<3,500	<4,000
Methyl Ethyl Ketone	**4,000**	*800*	533.0	<500	<500	<570	<450	<400
4 Methyl-2-pentanone (MIBK)	**500**	*50*	**1,030**	**1,100**	**550**	**650**	**570**	<320
Toluene	**800**	*160*	**11,100**	**15,000**	**8,700**	**7,400**	**7,400**	**6,700**
m-&p-Xylene	**2,000**	*400*	**2,450**	**2,900**	**1,900**	**2,000**	**1,700**	**1,900**
o-Xylene			**647**	**720**	**550**	**560**	**470**	**540**
Vinyl Chloride	**0.2**	*0.02*	**43.3**	<160	<160	<170	<140	<130
Total VOCs	NSE	NSE	24,798	33,120	12,610	11,710	11,020	10,070

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			11/16	12/16	01/17	02/17	03/17	04/17
			ALS	NLS	NLS	NLS	NLS	NLS
Ethylbenzene	**700**	*140*	**820**	**730**	*550*	**760**	**850**	**830**
4 Methyl-2-pentanone (MIBK)	**500**	*50*	<270	*230*	<270	<160	<210	<200
Toluene	**800**	*160*	**5,600**	**5,800**	**4,200**	**4,800**	**5,100**	**5,000**
m-&p-Xylene	**2,000**	*400*	**1,700**	*1,500*	*1,100*	*1,500*	**1,600**	**1,900**
o-Xylene			**460**	*450*	*330*	*440*	**480**	**540**
Total VOCs	NSE	NSE	**8,580**	**8,710**	**6,180**	**7,500**	**8,030**	**8,270**

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			05/17	06/17	09/17	10/17	11/17	12/17
			NLS	NLS	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	<2,100	<2,100	<4,200	*5,300*	<4,200	*5,200*
Ethylbenzene	**700**	*140*	**920**	**710**	**560**	**330**	**950**	*310*
Isopropyl Alcohol	**3,000[1]**		<2,200	<2,200	<5,000	<4,400	<4,400	**4,600**
Methyl Ethyl Ketone	**4,000**	*800*	*950*	<280	<500	**1,300**	<570	*910*
4 Methyl-2-pentanone (MIBK)	**500**	*50*	*310*	<270	**1,400**	**1,200**	<540	**1,800**
Toluene	**800**	*160*	**4,700**	**3,600**	**13,000**	**13,000**	**7,900**	**12,000**
m-&p-Xylene	**2,000**	*400*	**1,800**	*1,400*	**1,900**	**2,300**	**2,000**	**2,300**
o-Xylene			**500**	*400*	**610**	**750**	**580**	**700**
Total VOCs	NSE	NSE	9,180	6,110	17,470	24,180	11,430	27,820

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			01/18	02/18	03/18	04/18	05/18	06/18
			NLS	NLS	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	*5,200*	<4,200	<4,200	<4,200	*4,600*	<5,200
Ethylbenzene	**700**	*140*	*250*	*470*	*400*	**770**	*670*	*780*
Isopropyl Alcohol	**3,000[1]**		**7,300**	**7,600**	**7,500**	<4,400	**7,800**	<5,500
Methyl Ethyl Ketone	**4,000**	*800*	<570	<570	<570	<570	<500	<710
4 Methyl-2-pentanone (MIBK)	**500**	*50*	**1,100**	**1,200**	**710**	**750**	**1,300**	<670
Toluene	**800**	*160*	**14,000**	**13,000**	**13,000**	**15,000**	**13,000**	**8,500**
m-&p-Xylene	**2,000**	*400*	**2,700**	**2,300**	**2,400**	**2,800**	**2,600**	**1,600**
o-Xylene			**820**	**780**	**780**	**890**	**730**	**500**
Total VOCs	NSE	NSE	31,370	25,350	24,790	20,210	30,700	11,380

TABLE 3

SUMMARY OF DETECTED COMPOUNDS IN RW-6 (OCTOBER 2013 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year and Lab					
			07/18	08/18	09/18	10/18	11/18	06/19
			Pace	Pace	Pace	Pace	Pace	Pace
Acetone	**9,000**	*1,800*	994	467	<92.5	<231	<185	1,560
Benzene	**5**	*0.5*	**24.9**	**21.2**	**15.5**	**15.6**	**14.3**	**48.0**
Chloroethane	**400**	*80*	*143*	*136*	74.6	*88.0*	*129*	*198*
1,2-Dichlorobenzene	**600**	*60*	5.3	<6.8	3.6	<3.4	<2.7	<2.7
1,3-Dichlorobenzene	**600**	*120*	0.24	<8.0	<1.6	<4.0	<3.2	<3.2
1,4-Dichlorobenzene	**75**	*15*	0.77	<8.4	<1.7	<4.2	<3.4	<3.4
1,1-Dichloroethane	**850**	*85*	27.7	21.4	15.2	16.6	15.2	19.1
1,2-Dichloroethane	**5**	*0.5*	*2.8*	<10.9	<2.2	<5.4	<4.4	**27.0**
1,1-Dichloroethene	**7**	*0.7*	0.26	<8.0	<1.6	<4.0	<3.2	<3.2
cis-1,2-Dichloroethylene	**70**	*7.0*	*24.0*	*8.0*	*10.7*	*12.0*	*9.2*	*8.3*
trans-1,2-Dichloroethene	**100**	*20*	1.5	<5.8	<1.2	<2.9	<4.7	<4.7
Ethylbenzene	**700**	*140*	**1,100**	**962**	**884**	**851**	**904**	*614*
Methylene Chloride	**5**	*0.5*	<0.98	**52.9**	<9.8	<24.5	<19.6	<19.6
Methyl Ethyl Ketone	**4,000**	*800*	184	<49.6	<9.9	<24.8	<19.8	449
4 Methyl-2-pentanone (MIBK)	**500**	*50*	*415*	*278*	*55.9*	30.1	<8.4	**1,290**
Methyl-tert-butyl ether	**60**	*12*	0.94	<8.0	<1.6	<4.0	<3.2	<3.2
Tetrachloroethylene	**5**	*0.5*	*1.1*	<8.5	<1.7	<4.2	<3.4	<3.4
Toluene	**800**	*160*	**7,250**	**5,650**	**2,800**	**3,080**	**2,710**	**11,500**
1,1,1-Trichloroethane	**200**	*40*	0.29	<6.8	<1.4	<3.4	<2.7	<2.7
Trichloroethylene	**5**	*0.5*	*0.56*	<7.6	<1.5	<3.8	<3.0	<3.0
1,2,4-Trimethylbenzene	**480**	*96*	52.5	40.4	33.7	30.1	32.4	42.9
1,3,5-Trimethylbenzene			16.7	14.1	10.4	9.0	9.8	14.3
Vinyl chloride	**0.2**	*0.02*	**26.8**	**22.2**	**18.4**	**21.6**	**22.6**	**15.0**
Xylenes (total)	**2,000**	*400*	**3,190**	**2,840**	**2,540**	**2,540**	**2,880**	**4,240**
Total VOCs	NSE	NSE	13,462	10,513	6,462	6,694	6,727	20,026

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			08/19	09/19	10/19			
			Pace	Pace	Pace	Pace	Pace	Pace
Acetone	**9,000**	*1,800*	1,790	1,440	1,290			
Benzene	**5**	*0.5*	**33.7**	**30.3**	**17.4**			
Chloroethane	**400**	*80*	*145*	*171*	*130*			
1,2-Dichlorobenzene	**600**	*60*	4.9	<13.7	<13.7			
1,3-Dichlorobenzene	**600**	*120*	<1.6	<16.1	<16.1			
1,4-Dichlorobenzene	**75**	*15*	<1.7	<16.9	<16.9			
1,1-Dichloroethane	**850**	*85*	22.7	<17.0	<17.0			
1,2-Dichloroethane	**5**	*0.5*	**9.9**	<21.8	<21.8			
1,1-Dichloroethene	**7**	*0.7*	<1.6	<15.9	<15.9			
cis-1,2-Dichloroethylene	**70**	*7.0*	*12.9*	<15.4	<15.4			
trans-1,2-Dichloroethene	**100**	*20*	<2.4	<23.7	<23.7			
Ethylbenzene	**700**	*140*	**987**	**1,180**	**1,000**			
Methylene Chloride	**5**	*0.5*	<9.8	<98.0	<149			
Methyl Ethyl Ketone	**4,000**	*800*	365	<99.2	<99.2			
4 Methyl-2-pentanone (MIBK)	**500**	*50*	**1,000**	**793**	*409*			
Methyl-tert-butyl ether	**60**	*12*	<1.6	<16.1	<16.1			
Tetrachloroethylene	**5**	*0.5*	<1.7	<17.0	<17.0			
Toluene	**800**	*160*	**8,660**	**12,400**	**8,420**			
1,1,1-Trichloroethane	**200**	*40*	<1.4	<13.6	<13.6			
Trichloroethylene	**5**	*0.5*	<1.5	<15.1	<15.1			
1,2,4-Trimethylbenzene	**480**	*96*	58.4	61.2	27.8			
1,3,5-Trimethylbenzene			18.8	<12.2	<12.2			
Vinyl chloride	**0.2**	*0.02*	**13.4**	**24.5**	<9.2			
Xylenes (total)	**2,000**	*400*	**3,890**	**4,390**	**3,290**			
Total VOCs	NSE	NSE	17,012	20,490	14,584	0	0	0

TABLE 3

SUMMARY OF DETECTED COMPOUNDS IN RW-6 (OCTOBER 2013 THROUGH OCTOBER 2019)

NOTES:

Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).

Detected concentrations at or above an applicable NR 140 PAL but less than an applicable ES are *italicized*.

Detected concentrations at or above an applicable NR 140 ES are in **bold**.

NR 140 ES and PAL values listed on table downloaded from WAC website - http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf, s. NR 140.10, Wis. Adm. Code, Table 1, Register February 2017 No. 734.

Some reported values fall below the Limit of Quantitation set by the lab.

NSE = No standard exists in NR 140 for this substance/group.

Total VOCs = Summation of the detected volatile organic compounds on the sample month/year shown.

Each subsection of this table includes only those compounds detected in one or more samples collected during the range of dates shown.

RW-6 was shut down for repairs from June 6, 2017, through August 22, 2017, and no samples were collected during that time.

FOOTNOTE:

(1) There is no NR 140 PAL or ES for 2-propanol (aka isopropyl alcohol). The WDNR recommends using the health advisory limit of 3,000 ppb based on a 10^{-6} cancer risk taken from the following website: http://dnr.wi.gov/topic/drinkingwater/documents/haltable.pdf.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 4

ESTIMATED VOLUME OF WATER PUMPED AND MASS OF VOCs REMOVED BY RW-6

Sample Date	Meter Reading Date	Total Pumped (gallons)[1]	Total VOC Concentrations (µg/ℓ)	Incremental Amount Removed (lbs)	Cumulative VOCs Removed (lbs)
05/89	05/89	1,096	1,184,030	11	11
12/89	12/89	75,606	1,159,700	729	740
06/90	06/90	119,466	1,118,970	417	1,157
10/90	10/90	261,836	1,476,900	1,542	2,698
6/91 & 7/91	6/91 & 7/91	509,069	751,000	2,298	4,997
4/92 & 5/92	4/92 &5/92	691,930	1,085,000	1,401	6,397
4/93 & 5/93	4/93 & 5/93	1,099,126	493,000	2,681	9,078
10/93 - 12/93	10/93 - 12/93	1,215,610	1,325,300	884	9,962
4/94 & 5/94	4/94 & 5/94	1,369,029	321,300	1,054	11,016
11/01/94	10/94 & 11/94	1,642,841	118,700	503	11,518
05/08/95	4/95 & 5/95	1,917,548	65,129	211	11,729
05/31/97	12/97	2,357,394	529,708	1,092	12,821
05/31/98	05/98	3,742,984	294,920	4,767	17,588
12/31/99	12/99	8,008,954	98,237	6,998	24,585
05/31/00	05/00	8,922,314	232,390	1,260	25,845
04/30/01	04/01	10,694,054	73,720	2,263	28,108
05/15/02	12/03	13,390,764	98,960	1,943	30,051
12/03	12/03	15,377,614	98,960	1,641	31,692
10/30/13	10/31/13	15,387,344	17,997	4.7	31,696
03/04/14	04/01/14	15,648,760	17,601	38.8	31,735
05/06/14	05/06/14	15,722,110	18,516	11.1	31,746
07/09/14	07/09/14	15,800,900	15,190	11.1	31,757
08/05/14	08/05/14	15,913,010	18,506	15.8	31,773
09/09/14	09/09/14	16,036,320	23,490	21.6	31,795
10/08/14	10/31/14	16,229,670	22,795	37.3	31,832
11/12/14	11/12/14	16,277,750	22,720	9.1	31,841
12/04/14	12/04/14	16,363,270	22,700	16.2	31,857
01/07/15	01/07/15	16,455,540	21,820	17.1	31,875
02/04/15	02/04/15	16,544,590	12,820	12.9	31,887
03/11/15	03/11/15	16,627,200	13,900	9.2	31,897
04/09/15	04/09/15	16,697,770	10,620	7.2	31,904
05/05/15	05/05/15	16,751,300	14,050	5.5	31,909
06/03/15	06/03/15	16,808,080	10,870	5.9	31,915
07/08/15	07/08/15	16,855,160	9,260	4.0	31,919
08/04/15	08/04/15	16,897,260	8,534	3.1	31,922
09/09/15	09/09/15	16,947,240	8,220	3.5	31,926

TABLE 4

ESTIMATED VOLUME OF WATER PUMPED AND MASS OF VOCs REMOVED BY RW-6

Sample Date	Meter Reading Date	Total Pumped (gallons)[1]	Total VOC Concentrations (µg/ℓ)	Incremental Amount Removed (lbs)	Cumulative VOCs Removed (lbs)
10/14/15	10/14/15	16,991,350	4,521	2.3	31,928
11/04/15	11/04/15	17,026,000	6,288	1.6	31,930
12/03/15	12/03/15	17,053,890	4,475	1.3	31,931
04/05/16	04/05/16	17,108,400	24,114	6.5	31,937
05/04/16	05/04/16	17,202,080	33,120	22.4	31,960
07/12/16	07/12/16	17,375,210	12,610	33.0	31,993
08/10/16	08/10/16	17,435,560	11,710	6.1	31,999
09/06/16	09/06/16	17,500,900	11,020	6.2	32,005
10/05/16	10/05/16	17,551,550	10,070	4.5	32,010
11/03/16	11/03/16	17,592,070	8,580	3.2	32,013
12/06/16	12/06/16	17,649,310	8,710	4.1	32,017
01/09/17	01/09/17	17,709,330	6,180	3.7	32,021
02/07/17	02/07/17	17,747,030	7,500	2.2	32,023
03/08/17	03/08/17	17,811,590	8,030	4.2	32,027
04/05/17	04/05/17	17,853,610	8,270	2.9	32,030
05/02/17	05/02/17	17,897,170	9,180	3.2	32,033
06/06/17	06/06/17	17,967,900	6,110	4.5	32,038
09/07/17	09/07/17	18,028,770	17,470	6.0	32,044
10/04/17	10/04/17	18,119,360	24,180	15.7	32,059
11/07/17	11/07/17	18,203,430	11,430	12.5	32,072
12/06/17	12/12/17	18,282,780	27,820	13.0	32,085
01/09/18	01/09/18	18,353,380	31,370	17.4	32,102
02/07/18	02/07/18	18,446,210	25,350	22.0	32,124
03/07/18	03/07/18	18,470,450	24,790	5.1	32,129
04/05/18	04/05/18	18,504,900	20,210	6.5	32,136
05/03/18	05/03/18	18,576,430	30,700	15.2	32,151
06/05/18	06/05/18	18,691,180	11,380	20.1	32,171
07/10/18	07/10/18	18,819,020	13,462	13.3	32,184
08/02/18	08/02/18	18,899,000	10,513	8.0	32,192
09/11/18	09/11/18	18,990,371	6,462	6.5	32,199
10/03/18	10/03/18	19,013,120	6,694	1.2	32,200
11/06/18	11/06/18	19,036,450	6,727	1.3	32,201
06/04/19	11/06/18	19,048,150	20,026	1.3	32,203
08/06/19	08/06/19	19,122,560	17,012	11.5	32,214
09/04/19	09/04/19	19,213,740	20,490	14.3	32,228
10/02/19	10/31/19	19,387,050	14,584	25.4	32,254

TABLE 4

ESTIMATED VOLUME OF WATER PUMPED AND MASS OF VOCs REMOVED BY RW-6

NOTES:
Concentrations are in micrograms per liter (µgℓ)/parts per billion (ppb).
Total VOC Concentration = Total detected VOCs in sample on date shown (see Table 3)

The total volume of water pumped by RW-6 is equal to the meter reading measured on each date plus 8,889,000 (prior to 07/30/18) or 18,889,000 (post 07/30/18 meter roll-over) gallons to account for periods when the meter was not functioning properly.

FOOTNOTES:
(1) Volumes pumped from 1989 through 2003 are based on Bi-Monthly Progress Reports prepared by WRR and submitted to USEPA; Table 4 of SEH's September 2001 *Evaluation of Supplemental Corrective Action Measures and Plan of Activities* report; and untitled table prepared by Mae Willkom (WDNR) using monthly pumping volumes reported by WRR to USEPA.

(2) Total VOC concentrations for October 1990 and April 1993 based on lab reports of samples analyzed by WRR's laboratory; other Total VOCs from 4/89 through 11/94 based on untitled table provided by WRR (most likely internal lab results); Total VOC concentrations for May 1994 through May 1995 based on Table 10 of Eder Associates December 1996 *RCRA Facility Investigation* report; Total VOC concentrations for May 1997 through April 2001 based on Table A-3 included with SEH's September 2001 *Evaluation of Supplement Corrective Measures and Plan of Activities* report; Total VOC concentrations for May 2002 based on Table 4 prepared and provided by WRR (unpublished - likely update of Table 2 of SEH's September 2001 report); Total VOC concentration for December 2003 and February 2007 equal to May 2002 total VOC concentration.

Calculation of Incremental Mass of VOCs Removed

$[(V_2 - V_1) \times (C_2 + C_1)/2 \times 3.785\ ℓ/1\ gal] \times 1\ lb/453{,}600{,}000\ µg$

Where: V_2 = total volume of water pumped on date of sample (gallons).
V_1 = total volume pumped on date of previous sample used in calculation (gallons).
C_2 = total VOC concentration estimated on date of sample (µg/ℓ).
C_1 = total VOC concentration estimated on previous sample date (µg/ℓ).

With the exception of the first sample date shown on the table, all VOC concentrations used to calculate the incremental mass of VOCs removed during a given time period are the average of the estimated total VOC concentrations on the current and previous sample dates.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 5

SUMMARY OF DETECTED COMPOUNDS IN RW-7 (AUGUST 2012 THROUGH MAY 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)						
			08/12	09/12	10/12	11/12	12/12	01/13	02/13
			NLS	NLS	NLS	NLS	NLS	NLS	NLS
Benzene	**5**	*0.5*	<13	<9.8	<26	**11**	<6.4	<2.6	**17**
Chloroethane	**400**	*80*	*120*	*120*	<210	*190*	*210*	*120*	*220*
1,1-Dichloroethane	**850**	*85*	27	40	<19	46	61	42	*87*
cis-1,2-Dichloroethylene	**70**	*7*	<10	<10	<21	*7.8*	*36*	*35*	**160**
trans-1,2-Dichloroethlyene	**100**	*20*	<9.7	<13	<19	<6.5	4.9	3.0	5.3
Ethylbenzene	**700**	*140*	*290*	100	*310*	47	30	<2.2	*190*
Isopropyl Ether	NSE	NSE	<9.5	<12	<19	7.9	<4.7	5.6	7.8
Methylene Chloride	**5**	*0.5*	<20	**27**	<100	<12	<10	<4.0	<10
Methyl Ethyl Ketone	**4,000**	*800*	ND[1]	ND[1]	<100	<25	<25	10	<25
Styrene	**100**	*10*	<9.7	<8.6	<19	<4.3	<4.9	<1.9	5.8
Toluene	**800**	*160*	*410*	*350*	**1,000**	*340*	*220*	2.7	**850**
1,2,4-Trimethylbenzene	**480**	*96*	<12	<9.1	<24	<4.5	<5.9	<2.4	6.7
m-&p-Xylene	**2,000**	*400*	*750*	*510*	*940*	*500*	*380*	<4.6	*660*
o-Xylene			*220*	*170*	*290*	*180*	*120*	61	*200*
Vinyl Chloride	**0.2**	*0.02*	<7.5	<9.2	<15	<4.6	**26**	**20**	**61**
Total VOCs	NSE	NSE	1,817	1,317	2,540	1,330	1,088	299	2,471

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)						
			03/13	04/13	05/13	06/13		07/13	08/13
			NLS	NLS	NLS	NLS	Pace	NLS	NLS
Benzene	**5**	*0.5*	**13**	**8.0**	**11**	**9.3**	**9.7**	**12**	**16**
n-Butylbenzene	NSE	NSE	ND[1]	ND[1]	ND[1]	<7.3	2.1	<7.3	<7.3
Chloroethane	**400**	*80*	*190*	*130*	*160*	*150*	*178*	*140*	*210*
1,4-Dichlorobenzene	**75**	*15*	ND[1]	ND[1]	4	3.8	<2.2	<3.6	<3.6
1,1-Dichloroethane	**850**	*85*	*110*	*120*	*89*	68	80	68	*95*
1,1-Dichloroethene	**7**	*0.7*	ND[1]	ND[1]	10	<6.1	*6.6*	<7.2	**8.6**
1,2-Dichloroethane	**5**	*0.5*	ND[1]	ND[1]	ND[1]	<4.4	*2.9*	<6.1	<6.1
1,2-Dichloropropane	**5**	*0.5*	ND[1]	ND[1]	ND[1]	<7.3	*2.8*	<4.4	<4.4
cis-1,2-Dichloroethylene	**70**	*7*	**310**	**450**	**320**	**230**	**263**	**190**	**380**
trans-1,2-Dichloroethlyene	**100**	*20*	<25	13	<7.9	<7.9	5.4	<7.9	<7.9
Ethylbenzene	**700**	*140*	120	<8.2	72	85	73.9	*200*	*220*
Isopropyl Ether	NSE	NSE	<10	<14	7.3	5.9	7.4	7.4	7.3
Methylene Chloride	**5**	*0.5*	<32	<20	<10	<10	<1.8	<10	<10
Toluene	**800**	*160*	*600*	42	*450*	*380*	*343*	*540*	*600*
Tetrachloroethylene	**5**	*0.5*	<17	<8.1	<5.4	<5.4	3.0	<5.4	<5.4
Trichloroethylene	**5**	*0.5*	<22	**13**	<6.8	<6.8	4.6	<6.8	<6.8
1,2,4-Trimethylbenzene	**480**	*96*	<22	<8.6	<6.9	<6.9	6.6	<6.9	<6.9
m-&p-Xylene	**2,000**	*400*	*580*	*430*	*450*	*400*	*545*	*470*	*540*
o-Xylene			*170*	*160*	*150*	*130*	*175*	*130*	*150*
Vinyl Chloride	**0.2**	*0.02*	**71**	**69**	**61**	**33**	**37.8**	**32**	**84**
Total VOCs	NSE	NSE	2,164	1,435	1,784	1,495	1,747	1,789	2,311

TABLE 5

SUMMARY OF DETECTED COMPOUNDS IN RW-7 (AUGUST 2012 THROUGH MAY 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)						
			09/13	10/13		11/13	12/13	01/14	2/14
			NLS	NLS	Pace	NLS	NLS	NLS	NLS
Benzene	**5**	*0.5*	**14**	**17**	**10.2**	**14**	<11	**14**	**<11**
Chloroethane	**400**	*80*	*170*	*180*	*164*	*150*	*160*	*150*	*200*
1,1-Dichloroethane	**850**	*85*	*93*	56	*90.2*	72	*110*	*180*	*210*
1,1-Dichloroethene	**7**	*0.7*	<12	<14	*6.8*	<14	<23	**42**	**45**
1,2-Dichloroethane	**5**	*0.5*	<9.7	<12	*3.4*	<12	<19	<19	<19
1,2-Dichloropropane	**5**	*0.5*	<7.0	<8.7	*3.3*	<8.7	<14	<14	**15**
cis-1,2-Dichloroethylene	**70**	*7*	**340**	**110**	**391**	**430**	**710**	**1,200**	**1,600**
trans-1,2-Dichloroethlyene	**100**	*20*	<13	<16	8.3	<16	<25	<25	<25
Ethylbenzene	**700**	*140*	*240*	*270*	*149*	*220*	78	60	<20
Isopropyl Ether	NSE	NSE	6.9	7.6	5.1	<6.3	<10	<10	<10
Methylene Chloride	**5**	*0.5*	<16	<20	*4.0*	<20	<32	<32	<32
Toluene	**800**	*160*	*610*	*630*	*506*	*570*	*350*	*450*	*240*
Trichloroethylene	**5**	*0.5*	<11	<14	*2.7*	<14	<22	<22	<22
1,2,4-Trimethylbenzene	**480**	*96*	<11	<14	2.6	<21	<22	<22	<22
m-&p-Xylene	**2,000**	*400*	*520*	*620*	*427*	*570*	*430*	*570*	*430*
o-Xylene			*130*	*170*	*130*	*150*	*130*	*140*	*130*
Vinyl Chloride	**0.2**	*0.02*	**61**	**24**	**49.6**	**65**	**88**	**140**	**120**
Total VOCs	NSE	NSE	2,185	2,085	1,953	2,241	2,056	2,946	2,990

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)						
			03/14	4/14	5/14	7/14	8/14	9/14	10/14
			NLS	NLS	NLS	NLS	NLS	NLS	NLS
Benzene	**5**	*0.5*	<11	<11	<18	**9.8**	**15**	**8.4**	**14**
Chloroethane	**400**	*80*	*190*	*210*	*180*	77	*160*	*120*	*200*
1,1-Dichloroethane	**850**	*85*	*160*	*150*	*140*	63	*100*	*97*	*91*
1,1-Dichloroethene	**7**	*0.7*	**36**	**36**	**34**	**14**	**24**	**21**	<12
1,2-Dichloropropane	**5**	*0.5*	**14**	**14**	<18	<7.3	<7.0	<7.3	<7.0
cis-1,2-Dichloroethylene	**70**	*7*	**1,200**	**1,100**	**1,100**	**420**	**790**	**730**	**460**
Ethylbenzene	**700**	*140*	61	36	<15	*170*	*150*	<5.9	110
Isopropyl Ether	NSE	NSE	<10	<10	<15	<5.8	6.0	7.6	9.6
Methylene Chloride	**5**	*0.5*	<32	<32	<22	<8.9	<16	**10**	<16
Toluene	**800**	*160*	*210*	*180*	*270*	*300*	*460*	*200*	*310*
m-&p-Xylene	**2,000**	*400*	*410*	*370*	*470*	270	*380*	*380*	*560*
o-Xylene			*140*	*140*	*130*	79	*130*	*140*	*200*
Vinyl Chloride	**0.2**	*0.02*	**100**	**100**	**110**	**54**	**110**	**100**	**82**
Total VOCs	NSE	NSE	2,521	2,336	2,434	1,457	2,325	1,814	2,037

TABLE 5

SUMMARY OF DETECTED COMPOUNDS IN RW-7 (AUGUST 2012 THROUGH MAY 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)						
			10/14	11/14	01/15	02/15	03/15	04/15	05/15
			Pace	NLS	NLS	NLS	NLS	NLS	NLS
Benzene	**5**	*0.5*	**12.5**	**12**	**14**	**12.0**	**6.3**	<4.7	<7.4
Chloroethane	**400**	*80*	*223*	*100*	*280*	*170*	*190*	*97*	*140*
Dichlorodifluoromethane	**1,000**	*200*	<140	9.4	<5.6	<3.4	<2.3	<4.7	<6.9
1,1-Dichloroethane	**850**	*85*	*91.4*	54	80	70	*100*	70	83
1,1-Dichloroethene	**7**	*0.7*	**11.9**	**7.5**	<4.5	*4.5*	**8.3**	*6.7*	**7.7**
1,2-Dichloroethane	**5**	*0.5*	*2.9*	<8.4	<5.3	<4.1	*3.0*	<5.0	<8.2
1,2-Dichloropropane	**5**	*0.5*	*3.1*	<7.3	<4.6	<2.7	<3.6	<7.2	<5.4
cis-1,2-Dichloroethylene	**70**	*7*	**471**	**250**	**150**	**160**	**310**	**220**	**250**
trans-1,2-Dichloroethlyene	**100**	*20*	9.7	<7.0	5.6	4.2	5.1	<4.4	<6.3
Ethylbenzene	**700**	*140*	110	*180*	*140*	45	41	<4.4	<5.6
Isopropyl Ether	NSE	NSE	5.7	<5.8	11	6.7	8.3	<5.2	<5.9
Methylene Chloride	**5**	*0.5*	<1.2	<8.9	<5.6	<3.2	*3.7*	<4.5	<6.3
Styrene	**100**	*10*	<2.5	3.9	<2.4	<2.3	3.5	<3.8	<4.7
Toluene	**800**	*160*	*322*	*320*	*300*	150	99	13	16
Trichloroethylene	**5**	*0.5*	*3.1*	<6.0	<3.8	<3.8	<2.1	<4.2	<7.6
1,2,4-Trimethylbenzene	**480**	*96*	*2.5*	6.0	7.1	5.1	4.5	<4.2	<5.2
m-&p-Xylene	**2,000**	*400*	*444*	*460*	*580*	360	360	190	160
o-Xylene			*122*	*120*	*200*	100	130	66	96
Vinyl Chloride	**0.2**	*0.02*	**66.8**	**44**	**39**	**40**	**65**	**49**	**60**
Total VOCs	NSE	NSE	1,902	1,567	1,807	1,128	1,338	712	813

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)						
			06/15	07/15	08/15	09/15	10/15	11/15	12/15
			NLS	NLS	NLS	NLS	NLS	NLS	NLS
Benzene	**5**	*0.5*	**8.1**	**8.9**	**7.4**	**7.7**	**7.6**	**11**	<2.9
Chloroethane	**400**	*80*	*110*	*93*	*92*	*130*	77	*91*	*87*
Dichlorodifluoromethane	**1,000**	*200*	4.6	<2.8	<2.8	<3.1	2.6	2.8	<2.8
1,1-Dichloroethane	**850**	*85*	50	37	38	40.5	41	42	37
cis-1,2-Dichloroethylene	**70**	*7*	**93**	*31*	*16*	*9.76*	6.5	6.6	5.4
trans-1,2-Dichloroethlyene	**100**	*20*	2.9	<2.5	<2.5	<2.7	2.1	<2.5	<2.5
Ethylbenzene	**700**	*140*	61	45	43	48.3	53	110	<2.2
Isopropyl Ether	NSE	NSE	5.3	6.5	6.3	4.82	3.6	6.1	5.2
Methylene Chloride	**5**	*0.5*	<1.8	<2.5	**5.0**	<2.3	*2.1*	**7.0**	<2.5
Styrene	**100**	*10*	<1.5	<1.9	<1.9	<2.1	<1.5	<1.9	<1.9
Toluene	**800**	*160*	93	64	43	49.7	39	71	<1.8
Trichloroethylene	**5**	*0.5*	*2.9*	*3.5*	*4.8*	*2.51*	<1.7	<3.1	<3.1
1,2,4-Trimethylbenzene	**480**	*96*	4.8	5.2	5.9	4.8	5.3	7.1	<2.1
1,3,5-Trimethylbenzene			<2.1	<2.6	<2.6	1.85	<2.1	<2.6	<2.6
m-&p-Xylene	**2,000**	*400*	240	250	260	*318*	280	*370*	84
o-Xylene			82	76	65	*90.9*	71	*96*	58
Vinyl Chloride	**0.2**	*0.02*	**26**	**14**	**9.2**	**7.72**	**6.7**	**7.5**	**6.9**
Total VOCs	NSE	NSE	784	634	596	717	598	828	284

TABLE 5

SUMMARY OF DETECTED COMPOUNDS IN RW-7 (AUGUST 2012 THROUGH MAY 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year and Lab						
			1/16	3/16	04/16	05/16	05/16	06/16	07/16
			NLS	NLS	NLS	Pace	NLS	NLS	NLS
Benzene	**5**	*0.5*	**23**	**8.0**	**8.8**	**10.8**	**12.0**	**9.9**	**9.6**
Chloroethane	**400**	*80*	*140*	*120*	53	73.4	53	50	57
Dichlorodifluoromethane	**1,000**	*200*	<2.8	4.3	4.2	<1.1	<2.8	<3.3	3.3
1,1-Dichloroethane	**850**	*85*	51	71	31	39.9	36	34	44
cis-1,2-Dichloroethylene	**70**	*7*	*9.0*	*21*	6.7	*7.9*	6.7	8.7	*7.6*
trans-1,2-Dichloroethlyene	**100**	*20*	3.4	3.6	<1.7	2.3	<2.9	<3.4	1.9
Ethylbenzene	**700**	*140*	*290*	34	*190*	*262*	*280*	*220*	130
Isopropyl Ether	NSE	NSE	8.6	5.1	3.9	3.6	5.1	4.5	3.9
Isopropylbenzene	**-**	-	2.9	<1.9	<44	1.6	<3.4	<3.7	<1.7
Methylene Chloride	**5**	*0.5*	*2.8*	<2.4	<2.4	<1.2	<4.0	<4.7	<2.0
Styrene	**100**	*10*	<1.9	<1.9	<1.9	<2.5	3.7	<3.7	<1.6
Toluene	**800**	*160*	*170*	56	61	65.7	89	50	35
Trichloroethylene	**5**	*0.5*	<3.1	<3.2	<3.2	*3.2*	<4.7	<6.5	*3.3*
1,2,4-Trimethylbenzene	**480**	*96*	12	5.6	6.1	3.5	4.9	6.8	6.9
1,3,5-Trimethylbenzene			4.0	<2.1	<2.1	<2.5	<4.0	<4.3	2.6
m-&p-Xylene	**2,000**	*400*	*460*	290	240	*348*	*350*	250	260
o-Xylene			*190*	92	83	*85.3*	*98*	53	59
Vinyl Chloride	**0.2**	*0.02*	**11**	**19**	**7.4**	**8.3**	**10**	**8.5**	**10**
Total VOCs	NSE	NSE	1,378	730	695	916	948	695	634

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)						
			08/16	09/16	10/16	11/16	12/16	01/17	02/17
			NLS	NLS	NLS	NLS	NLS	NLS	NLS
Benzene	**5**	*0.5*	**12**	**11**	**11**	**8.7**	**11**	**9.8**	**11**
Chloroethane	**400**	*80*	79	69	52	57	60	59	68
Dichlorodifluoromethane	**1,000**	*200*	<1.7	<1.7	4.0	<2.1	3.3	3.7	<1.7
1,1-Dichloroethane	**850**	*85*	50	42	47	46	39	39	47
cis-1,2-Dichloroethylene	**70**	*7*	*11*	*8.3*	*9.0*	*8.2*	*8.7*	*8.9*	*10*
trans-1,2-Dichloroethlyene	**100**	*20*	2.9	2.3	2.3	<2.1	<2.1	<2.1	2.5
Ethylbenzene	**700**	*140*	120	130	*190*	75	*170*	*150*	*180*
Isopropyl Ether	NSE	NSE	6.6	6.3	4.7	5.5	5.4	4.4	5.4
Toluene	**800**	*160*	25	28	34	29	45	49	58
Trichloroethylene	**5**	*0.5*	*3.5*	<3.2	*2.4*	<4.0	<4.0	<4.0	<3.0
1,2,4-Trimethylbenzene	**480**	*96*	7.7	6.5	6.8	7.1	6.4	6.0	6.5
1,3,5-Trimethylbenzene			2.7	2.4	2.2	<2.7	<2.7	<2.7	<2.5
m-&p-Xylene	**2,000**	*400*	310	270	270	*330*	250	230	300
o-Xylene			71	71	75	*90*	78	80	94
Vinyl Chloride	**0.2**	*0.02*	**13**	**11**	**15**	**12**	**12**	**13**	**17**
Total VOCs	NSE	NSE	**714**	**658**	**725**	**669**	**689**	**653**	**799**

TABLE 5

SUMMARY OF DETECTED COMPOUNDS IN RW-7 (AUGUST 2012 THROUGH MAY 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)						
			03/17	04/17	05/17	06/17	07/17	08/17	09/17
			NLS	NLS	NLS	NLS	NLS	NLS	NLS
Benzene	**5**	*0.5*	**11**	**8.0**	**11**	**8.8**	**9.1**	**6.4**	**12**
Chloroethane	**400**	*80*	63	53	55	55	57	58	76
Dichlorodifluoromethane	**1,000**	*200*	2.5	<1.7	<2.1	<2.0	<1.7	<1.7	<1.4
1,1-Dichloroethane	**850**	*85*	46	48	42	39	38	40	72
cis-1,2-Dichloroethylene	**70**	*7*	*9.7*	*8.8*	*9.7*	*8.3*	*8.0*	6.3	*11*
trans-1,2-Dichloroethlyene	**100**	*20*	2.4	2.5	2.4	<2.1	1.9	1.9	3.0
Ethylbenzene	**700**	*140*	*140*	86	*200*	85	100	62	*160*
Isopropyl Ether	NSE	NSE	5.4	5.5	5.4	4.8	4.7	4.6	6.0
Toluene	**800**	*160*	42	26	44	25	27	21	42
Trichloroethylene	**5**	*0.5*	<4.0	*3.2*	<4.0	<4.0	<3.2	<3.2	<2.4
1,2,4-Trimethylbenzene	**480**	*96*	6.4	6.7	6.3	6.8	6.5	7.5	7.1
1,3,5-Trimethylbenzene			<2.7	<2.5	<2.7	<2.7	<2.1	<2.1	3.0
m-&p-Xylene	**2,000**	*400*	*320*	280	270	280	270	*320*	*400*
o-Xylene			*87*	79	79	80	88	*89*	*150*
Vinyl Chloride	**0.2**	*0.02*	**18**	**19**	**17**	**18**	**19**	**20**	**33**
Total VOCs	NSE	NSE	753	626	742	611	629	637	975

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)						
			10/17	11/17	12/17	01/18	02/18	03/18	04/18
			NLS	NLS	NLS	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	<42	<42	<42	<42	59	<42	<42
Benzene	**5**	*0.5*	**8.5**	**12**	**5.8**	*4.7*	*2.4*	**6.5**	**6.9**
Chloroethane	**400**	*80*	57	62	67	*110*	73	63	56
Dichlorodifluoromethane	**1,000**	*200*	3.1	2.9	1.9	3.5	2.4	<1.7	3.8
1,1-Dichloroethane	**850**	*85*	40	30	69	78	49	38	28
cis-1,2-Dichloroethylene	**70**	*7*	*13.0*	6.9	*11*	*25*	*20*	*7.2*	5.9
trans-1,2-Dichloroethlyene	**100**	*20*	2.1	2.1	3.3	3.6	2.8	2.3	1.9
Ethylbenzene	**700**	*140*	130	*260*	88	45	3.0	18	27
Isopropyl Ether	NSE	NSE	3.5	5.3	5.2	4.8	3.9	4.1	3.6
Isopropyl Alcohol	**3,000**[(2)]		<44	<44	<44	<44	<44	70	<44
Toluene	**800**	*160*	29	48	24	17	4.3	17	13
Trichloroethylene	**5**	*0.5*	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
1,2,4-Trimethylbenzene	**480**	*96*	4.5	7.4	4.2	3.2	<2.1	4.0	5.1
1,3,5-Trimethylbenzene			<2.1	2.2	<2.1	<2.1	<2.1	<2.1	<2.1
m-&p-Xylene	**2,000**	*400*	220	300	230	160	85	240	240
o-Xylene			76	120	110	79	65	100	96
Vinyl Chloride	**0.2**	*0.02*	**22**	**19**	**38**	**44**	**35**	**25**	**21**
Total VOCs	NSE	NSE	609	878	657	578	405	595	508

TABLE 5

SUMMARY OF DETECTED COMPOUNDS IN RW-7 (AUGUST 2012 THROUGH MAY 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)						
			05/18	06/18	07/18	08/18	09/18	10/18	11/18
			ALS	NLS	Pace	Pace	Pace	Pace	Pace
Acetone	**9,000**	*1,800*	3.5	<42	10.1	<9.2	<9.2	<9.2	<9.2
Benzene	**5**	*0.5*	**16**	*4.7*	*2.0*	**6.1**	**6.3**	*4.5*	*4.9*
Chloroethane	**400**	*80*	76	*80*	63.1	70.2	37.5	53.1	55.9
Dichlorodifluoromethane	**1,000**	*200*	<0.13	<1.7	NA	NA	NA	NA	NA
1,2-Dicholobenzene	**600**	*60*	1.2	<2.1	0.53	0.78	0.81	0.68	0.77
1,1-Dichloroethane	**850**	*85*	23	63	38.0	39.2	19.3	31.5	41.5
1,2-Dichloroethane	**5**	*0.5*	<0.17	<2.2	*0.75*	0.80	<0.22	*0.70*	*0.74*
cis-1,2-Dichloroethylene	**70**	*7*	5.1	*17*	*10.5*	*7.2*	4.1	5.6	6.2
trans-1,2-Dichloroethlyene	**100**	*20*	2.4	<1.7	2.3	2.3	1.2	2.0	2.3
Ethylbenzene	**700**	*140*	*460*	30	1.2	25.6	53.4	11.9	16.9
Isopropyl Ether	NSE	NSE	6.2	4.6	NA	NA	NA	NA	NA
Isopropyl Alcohol	**3,000[2]**		N/A	<44	NA	NA	NA	NA	NA
Isopropylbenzene	NSE	NSE	2.5	<1.9	NA	NA	NA	NA	NA
p-Isopropyltoluene	NSE	NSE	0.44	<1.8	NA	NA	NA	NA	NA
Methylene Chloride	**5**	*0.5*	*1.0*	<2.4	<0.98	1.1	<0.98	<0.98	<0.98
Methyl Ethyl Ketone	**4,000**	*800*	<0.58	<5.7	1.6	2.0	<0.99	<0.99	<0.99
Naphthalene	**100**	*10.0*	0.72	<4.3	NA	NA	NA	NA	NA
n-Propylbenzene	NSE	NSE	1.4	<2.1	NA	NA	NA	NA	NA
Tetrachloroethylene	**5**	*0.5*	<0.27	<2.2	<0.17	<0.17	<0.17	0.44	<0.17
Toluene	**800**	*160*	34	6.7	2.4	14.0	11.2	4.0	6.9
Trichloroethylene	**5**	*0.5*	<0.30	<3.2	*2.5*	*1.9*	*2.4*	*2.3*	*2.0*
1,2,4-Trimethylbenzene	**480**	*96*	10	2.2	0.92	4.8	7.2	4.9	6.1
1,3,5-Trimethylbenzene			3.8	<2.1	1.5	2.4	2.2	2.2	2.6
Vinyl Chloride	**0.2**	*0.02*	**19**	**34**	**18.7**	**21.2**	**12.6**	**14.3**	**19.6**
Xylenes (total)	**2,000**	400	*870*	210	145	372	335	327	393
Total VOCs	NSE	NSE	1,536	452	301	572	493	465	559

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)						
			12/18	01/19	02/19	03/19	04/19	05/19	
			Pace	Pace	Pace	Pace	Pace	Pace	
Acetone	**9,000**	*1,800*	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	
Benzene	**5**	*0.5*	**5.1**	**5.0**	**7.9**	**6.3**	**5.5**	**6.6**	
Chloroethane	**400**	*80*	58.3	37.8	40.4	51.5	70.6	58.0	
Dichlorodifluoromethane	**1,000**	*200*	NA	NA	NA	NA	NA	NA	
1,2-Dicholobenzene	**600**	*60*	0.73	0.68	0.75	0.78	1.1	1.1	
1,1-Dichloroethane	**850**	*85*	22.6	22.6	20.6	28.8	54.3	47.4	
1,2-Dichloroethane	**5**	*0.5*	0.43	*0.62*	0.31	*0.58*	<0.22	*0.87*	
cis-1,2-Dichloroethylene	**70**	*7*	4.2	5.0	4.6	4.8	*9.4*	*7.8*	
trans-1,2-Dichloroethlyene	**100**	*20*	1.7	2.2	1.4	2.0	2.4	3.7	
Ethylbenzene	**700**	*140*	35.5	18.0	*163*	33.3	54.7	53.5	
Isopropyl Ether	NSE	NSE	NA	NA	NA	NA	NA	NA	
Isopropyl Alcohol	**3,000[2]**		NA	NA	NA	NA	NA	NA	
Isopropylbenzene	NSE	NSE	NA	NA	NA	NA	NA	NA	
p-Isopropyltoluene	NSE	NSE	NA	NA	NA	NA	NA	NA	
Methylene Chloride	**5**	*0.5*	<0.98	<0.98	<0.98	<0.98	*1.3*	*1.1*	
Methyl Ethyl Ketone	**4,000**	*800*	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	
4-Methyl-2-pentanone (MIBK)	**500**	*50*	<0.42	0.98	<0.42	0.73	<0.42	0.80	
Naphthalene	**100**	*10*	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	NSE	NSE	NA	NA	NA	NA	NA	NA	
Tetrachloroethylene	**5**	*0.5*	<0.17	0.29	<0.17	<0.17	<0.17	<0.17	
Toluene	**800**	*160*	8.7	9.9	27.0	11.4	15.8	12.2	
Trichloroethylene	**5**	*0.5*	*2.2*	*2.0*	*2.1*	*2.1*	*1.8*	*2.4*	
1,2,4-Trimethylbenzene	**480**	*96*	6.2	6.6	7.2	7.3	8.2	7.1	
1,3,5-Trimethylbenzene			2.1	2.1	2.2	2.6	3.1	2.9	
Vinyl Chloride	**0.2**	*0.02*	**13.8**	**11.5**	**10**	**13.2**	**23.4**	**16.5**	
Xylenes (total)	**2,000**	*400*	382	387	349	*459*	*488*	*511*	
Total VOCs	NSE	NSE	544	512	636	624	740	733	0

TABLE 5

SUMMARY OF DETECTED COMPOUNDS IN RW-7 (AUGUST 2012 THROUGH MAY 2019)

NOTES:

Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).

Detected concentrations at or above an applicable NR 140 PAL but less than an applicable ES are italicized.

Detected concentrations at or above an applicable NR 140 ES are in bold.

RW-7 was restarted on July 20, 2012, after being off since December 2003.

Samples were analyzed for a full suite of VOCs using Method 8260. Only compounds detected in one or more samples are listed on this table.

NR 140 ES and PAL values listed on table downloaded from WAC website - http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf, s. NR 140.10, Wis. Adm. Code, Table 1, Register February 2017 No. 734.

Each subsection of this table includes only those compounds detected in one or more samples collected during the range of dates shown.

NSE = No standard exists in NR 140 for this substance/group.

Total VOCs = Summation of the detected volatile organic compounds on the sample month/year shown.

FOOTNOTES:

(1) Indicates that this compound was not detected (ND) before October 2012; the detection limits are only indicated for those compounds for samples collected in or after October 2012.

(2) There is no NR 140 PAL or ES for 2-propanol (aka isopropyl alcohol). The WDNR recommends using the health advisory limit of 3,000 ppb based on a 10^{-6} cancer risk per http://dnr.wi.gov/topic/drinkingwater/documents/haltable.pdf.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 6

ESTIMATED VOLUME OF WATER PUMPED & MASS OF VOCs REMOVED BY RW-7

Sample Date or Month/Yr[(1)]	Meter Reading Date or Month/Yr[(2)]	Total Volume of Water Pumped (gallons)	Total VOC Concentration[(3)] (µg/ℓ)	Incremental Mass of VOCs Removed (lbs)	Cumulative Mass of VOCs Removed (lbs)
10/90	07/91	66,517	1,235,300	686	686
11/94	12/94	76,809	48,675	55	741
05/95	09/95	158,443	2,648	17	758
10/95	12/95	190,077	155,000	21	779
04/96	12/96	213,177	219,870	36	815
05/97	12/97	496,097	83,770	358	1,174
05/98	05/98	1,803,747	117,732	1,099	2,273
12/99	12/99	6,298,347	113,868	4,343	6,616
05/00	05/00	7,446,677	468,520	2,790	9,406
04/01	04/01	9,744,876	103,380	5,484	14,890
05/02	07/02	13,042,926	142,110	3,378	18,268
05/03	06/03	15,597,896	39,230	1,933	20,201
	12/03	16,764,486	39,230	382	20,583
08/12	08/12	16,926,286	1,817	2.5	20,585
09/12	09/12	17,399,006	1,317	6.2	20,591
10/12	10/12	17,452,046	2,540	0.9	20,592
11/12	11/12	17,706,026	1,330	4.1	20,596
12/12	12/12	18,200,706	1,088	5.0	20,601
01/13	01/13	18,651,326	299	2.6	20,604
02/13	02/13	19,004,996	2,471	4.1	20,608
03/13	03/13	19,483,716	2,164	9.3	20,617
04/13	04/13	19,922,956	1,435	6.6	20,624
05/13	05/13	20,315,976	1,770	5.3	20,629
06/13	06/13	20,675,016	1,621	5.1	20,634
07/13	07/13	21,082,656	1,789	5.8	20,640
08/13	08/13	21,559,286	2,311	8.2	20,648
09/13	09/13	22,056,306	2,185	9.3	20,658
10/13 - 1	10/15/13	22,255,316	2,085	3.5	20,661
10/13 - 2	10/30/13	22,457,976	1,953	3.4	20,665
11/13	11/13/13	22,623,686	2,241	2.9	20,667
12/13	12/09/13	22,900,716	2,056	5.0	20,672
01/14	01/14/14	23,378,656	2,946	10.0	20,682
02/14	02/20/14	23,817,156	2,990	10.9	20,693
03/14	02/28/14	23,910,206	2,521	2.1	20,695
	04/01/14	24,719,830	2,336	16.4	20,712

TABLE 6

ESTIMATED VOLUME OF WATER PUMPED & MASS OF VOCs REMOVED BY RW-7

Sample Date or Month/Yr[(1)]	Meter Reading Date or Month/Yr[(2)]	Total Volume of Water Pumped (gallons)	Total VOC Concentration[(3)] (µg/ℓ)	Incremental Mass of VOCs Removed (lbs)	Cumulative Mass of VOCs Removed (lbs)
05/14	05/06/14	25,101,860	2,434	7.6	20,719
07/14	07/09/14	25,861,100	1,457	12.3	20,732
08/14	08/05/14	26,224,990	2,325	5.7	20,737
09/14	09/09/14	26,615,520	1,814	6.7	20,744
10/14	10/31/14	27,159,530	1,970	8.6	20,753
11/14	11/12/14	27,275,280	1,567	1.7	20,754
01/15	01/07/15	27,665,630	1,807	5.5	20,760
02/15	02/04/15	28,097,040	1,128	5.3	20,765
03/15	03/11/15	28,560,750	1,338	4.8	20,770
04/15	04/09/15	29,016,560	712	3.9	20,774
05/15	05/05/15	29,473,180	813	2.9	20,777
06/15	06/03/15	29,771,250	784	2.0	20,779
07/15	07/08/15	29,927,790	634	0.9	20,780
08/04/15	08/04/15	30,069,120	596	0.7	20,780
09/09/15	09/09/15	30,249,650	717	1.0	20,781
10/14/15	10/14/15	30,465,380	598	1.2	20,783
11/04/15	11/04/15	30,583,550	828	0.7	20,783
12/03/15	12/03/15	30,760,560	284	0.8	20,784
01/16/16	01/05/16	30,954,720	1,378	1.3	20,785
03/16/16	03/02/16	31,548,740	730	5.2	20,791
04/05/16	04/05/16	31,705,040	695	0.9	20,792
05/04/16	05/04/16	31,809,010	948	0.7	20,792
06/16/16	06/07/16	31,954,260	695	1.0	20,793
07/12/16	07/12/16	32,128,620	634	1.0	20,794
08/10/16	08/10/16	32,263,240	714	0.8	20,795
09/06/16	09/06/16	32,383,000	658	0.7	20,796
10/05/16	10/05/16	32,517,840	725	0.8	20,797
11/03/16	11/03/16	32,657,080	669	0.8	20,797
12/06/16	12/06/16	32,816,300	689	0.9	20,798
01/09/17	01/09/17	33,014,490	653	1.1	20,799
02/07/17	02/07/17	33,130,990	799	0.7	20,800
03/08/17	03/08/17	33,264,980	753	0.9	20,801
04/05/17	04/05/17	33,404,500	626	0.8	20,802
05/02/17	05/02/17	33,541,920	742	0.8	20,803
06/06/17	06/06/17	33,719,870	611	1.0	20,804
07/11/17	07/11/17	33,894,390	629	0.9	20,804
08/08/17	08/08/17	34,017,330	637	0.6	20,805
09/07/17	09/07/17	34,084,400	975	0.5	20,806
10/04/17	10/04/17	34,308,830	609	1.5	20,807
11/07/17	11/07/17	34,415,550	878	0.7	20,808

TABLE 6

ESTIMATED VOLUME OF WATER PUMPED & MASS OF VOCs REMOVED BY RW-7

Sample Date or Month/Yr[(1)]	Meter Reading Date or Month/Yr[(2)]	Total Volume of Water Pumped (gallons)	Total VOC Concentration[(3)] (µg/ℓ)	Incremental Mass of VOCs Removed (lbs)	Cumulative Mass of VOCs Removed (lbs)
12/06/17	12/06/17	34,542,430	657	0.8	20,808
01/09/18	01/09/17	35,022,540	578	2.5	20,811
02/07/18	02/07/18	35,467,410	405	1.8	20,813
03/07/18	03/07/18	35,761,340	595	1.2	20,814
04/05/18	04/05/18	35,995,470	508	1.1	20,815
05/10/18	05/10/18	36,041,010	1,536	0.4	20,815
06/05/18	06/05/18	36,397,880	452	3.0	20,818
07/10/18	07/10/18	36,902,510	301	1.6	20,820
08/02/18	08/02/18	37,131,360	572	0.8	20,821
09/11/18	09/11/18	37,462,440	493	1.5	20,822
10/03/18	10/03/18	37,657,070	465	0.8	20,823
11/06/18	11/06/18	37,921,190	559	1.1	20,824
12/04/18	12/04/18	38,097,330	544	0.8	20,825
01/09/19	01/09/19	38,317,590	512	1.0	20,826
02/14/19	02/14/19	38,549,830	636	1.1	20,827
03/05/19	03/05/19	38,651,770	624	0.5	20,828
04/04/19	04/04/19	38,877,220	740	1.3	20,829
05/07/19	10/31/19	39,179,550	733	1.9	20,831

TABLE 6

ESTIMATED VOLUME OF WATER PUMPED & MASS OF VOCs REMOVED BY RW-7

NOTES:

Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).

Total VOC Concentration = Total detected VOCs in sample on date shown (see Table 5).

For dates after January 2017, add 29,967,780 gallons to raw meter readings to calculate adjusted total volume pumped from RW-7.

RW-7 was shut down for new pump installation during August 19 through September 5, 2017.

FOOTNOTES:

(1) Meter readings before 2012 were often not recorded when samples were collected early in the operation of RW-7. In those cases, the next available meter reading was used to calculate the incremental mass of VOCs removed by RW-7.

(2) The volume of water pumped prior to July 2012 was calculated using a combination of meter readings and monthly discharge reports prepared by WRR. There was a 462,634-gallon discrepancy between the calculated volume of water pumped through December 2003 and the actual meter reading on July 20, 2012, before RW-7 was restarted. To account for the discrepancy during that time period, the total VOC concentrations measured in RW-7 in June 2004 were used even though there is no record of RW-7 operating between December 2003 and July 2012. Records of RW-7 operational history are not complete.

(3) Total VOC concentrations for October 1990 are based on a lab report of samples analyzed by WRR's laboratory. Total VOC concentrations for November 1994 through May 1995 are based on Table 10 of Eder Associates' December 1996 *RCRA Facility Investigation* report; total VOC concentration for 11/94 is based on average of VOC concentrations measured in 5/94 (2,074 ppb), 11/94 (143,000 ppb), & 12/94 (951 ppb). Total VOC concentrations for May 1997 through April 2001 are based on Table A-3 included with SEH's September 2001 *Evaluation of Supplement Corrective Measures and Plan of Activities* report. Total VOC concentrations for May 2002 are based on Table 4 prepared and provided by WRR (unpublished, likely an update of Table 2 of SEH's September 2001 report). Total VOC concentrations for May 2003 are based on concentrations measured in nearby well W-21 (RW-7 not sampled in 2003).

(4) Two influent samples were collected from RW-7 on 6/11/13 and analyzed for VOCs by Northern Lakes Services and Pace Analytical Services. The average of the total VOCs was used to calculate the mass of VOCs removed in June 2013.

Calculation of Incremental Mass of VOCs Removed:

$[(V_2 - V_1) \times (C_2 + C_1)/2 \times 3.785\ ℓ/1\ gal] \times 1\ lb/453{,}600{,}000\ µg$

Where: V_2 = total volume of water pumped on date of sample (gallons).
V_1 = total volume pumped on date of previous sample used in calculation (gallons).
C_2 = total VOC concentration estimated on date of sample (µg/ℓ).
C_1 = total VOC concentration estimated on previous sample date (µg/ℓ).

With the exception of the first sample date shown on the table, all VOC concentrations used to calculate the incremental mass of VOCs removed during a given time period are the average of the estimated total VOC concentrations on the current and previous sample dates.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 7

SUMMARY OF DETECTED COMPOUNDS IN RW-10 (DECEMBER 2014 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			12/14	09/15	10/15	11/15	11/15	12/15
			Pace	NLS	NLS	NLS	Pace	NLS
Acetone	**9,000**	*1,800*	*6,860*	**57,600**	**57,000**	**58,000**	**71,200**	**35,000**
1,1-Dichloroethane	**850**	*85*	26.9	<480	<410	<490	<151	<490
cis-1,2-Dichloroethylene	**70**	*7.0*	**272**	<510	<450	<600	<160	<600
Ethylbenzene	**700**	*140*	*658*	**908**	<350	**820**	**625**	**760**
Methylene Chloride	**5**	*0.5*	<11.6	<460	**550**	**1,300**	**398**	<510
Methyl Ethyl Ketone	**4,000**	*800*	**8,600**	**68,900**	**53,000**	**59,000**	**46,800**	**26,000**
4-Methyl-2-Pentanone (MIBK)	**500**	*50*	<107	**1,240**	**1,000**	**2,100**	**1,490**	**960**
Isopropyl Alcohol	**3,000[1]**		**5,680**	**11,600**	**22,000**	**21,000**	**19,500**	<12,000
Styrene	**100**	*10*	*49.6*	<420	<310	<370	<312	<370
Tetrachloroethylene	**5**	*0.5*	**179**	<530	<440	<430	<312	<430
Toluene	**800**	*160*	**11,900**	**20,500**	**17,000**	**17,000**	**16,500**	**17,000**
1,1,1-Trichloroethane	**200**	*40*	**1,420**	**1,490**	**1,400**	**1,400**	**1,190**	**1,300**
1,1,2-Trichloroethane	**5**	*0.5*	**17.6**	<440	<390	<480	<123	<480
Trichloroethylene	**5**	*0.5*	**847**	**840**	**890**	**1,100**	**809**	**920**
m-&p-Xylene	**2,000**	*400*	**2,160**	**3,570**	**2,300**	**2,600**	**1,910**	**2,300**
o-Xylene			**575**	**922**	**610**	**670**	**462**	**670**
Total VOCs	NSE	NSE	39,245	167,570	155,750	164,990	160,884	84,910

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			01/16	05/16		06/16	07/16	08/16
			NLS	Pace	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	**48,000**	**64,900**	**28,000**	**80,000**	**47,000**	**60,000**
cis-1,2-Dichloroethylene	**70**	*7.0*	<600	**276**	<350	<470	<350	<470
Ethylbenzene	**700**	*140*	**920**	*571*	*630*	**920**	<600	**1,100**
Methylene Chloride	**5**	*0.5*	<510	**463**	<400	**580**	<400	<470
Methyl Ethyl Ketone	**4,000**	*800*	**59,000**	**78,400**	**30,000**	**72,000**	**32,000**	**51,000**
4-Methyl-2-Pentanone (MIBK)	**500**	*50*	**1,700**	**1,550**	<790	**1,700**	**1,500**	**2,300**
Isopropyl Alcohol	**3,000[1]**		**15,000**	**24,500**	<9,900	**21,000**	**16,000**	**25,000**
Tetrachloroethylene	**5**	*0.5*	<430	<250	**1,100**	<440	<330	<440
Toluene	**800**	*160*	**16,000**	**14,000**	**9,700**	**18,000**	**15,000**	**15,000**
1,1,1-Trichloroethane	**200**	*40*	**1,200**	**831**	**820**	**1,400**	**1,100**	**1,500**
Trichloroethylene	**5**	*0.5*	**810**	**589**	**580**	**690**	**780**	**970**
m-&p-Xylene	**2,000**	*400*	**2,500**	**2,050**	**1,700**	**2,800**	**2,200**	**3,100**
o-Xylene			**670**	**513**	**400**	**670**	**660**	**870**
Total VOCs	NSE	NSE	145,800	188,643	72,930	199,760	116,240	160,840

TABLE 7

SUMMARY OF DETECTED COMPOUNDS IN RW-10 (DECEMBER 2014 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			09/16	10/16	11/16	12/16	01/17	02/17
			NLS	NLS	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	**51,000**	**62,000**	**67,000**	**60,000**	**49,000**	**37,000**
cis-1,2-Dichloroethylene	**70**	*7.0*	<470	**390**	<470	<470	<470	**300**
Ethylbenzene	**700**	*140*	**840**	<600	**1,700**	**1,400**	**820**	**660**
Methylene Chloride	**5**	*0.5*	<470	**530**	**490**	<470	**610**	**400**
Methyl Ethyl Ketone	**4,000**	*800*	**42,000**	**37,000**	**80,000**	**65,000**	**33,000**	**28,000**
4-Methyl-2-Pentanone (MIBK)	**500**	*50*	**2,000**	**1,300**	**2,000**	**1,900**	**1,500**	**1,700**
Isopropyl Alcohol	**3,000[(1)]**		**17,000**	**23,000**	**9,000**	**18,000**	**13,000**	<6200
Toluene	**800**	*160*	**16,000**	**23,000**	**26,000**	**20,000**	**14,000**	**15,000**
1,1,1-Trichloroethane	**200**	*40*	**1,300**	**1,900**	**2,100**	**1,900**	**1,200**	**1,100**
Trichloroethylene	**5**	*0.5*	**810**	**1,200**	**1,100**	<650	**690**	**730**
m-&p-Xylene	**2,000**	*400*	**2,600**	**5,500**	**5,200**	**4,200**	**2,400**	**2,100**
o-Xylene			**730**	**1,400**	**1,500**	**1,000**	**630**	**590**
Total VOCs	NSE	NSE	134,280	157,220	196,090	173,400	116,850	87,580

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			03/17	04/17	05/17	06/17	07/17	08/17
			NLS	NLS	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	**46,000**	**43,000**	**49,000**	**40,000**	**30,000**	**28,000**
cis-1,2-Dichloroethylene	**70**	*7.0*	<300	**330**	**350**	**300**	<300	<300
Ethylbenzene	**700**	*140*	**1,600**	**1,800**	**1,500**	**980**	**970**	**830**
Methylene Chloride	**5**	*0.5*	**410**	**400**	**410**	**430**	**370**	**360**
Methyl Ethyl Ketone	**4,000**	*800*	**73,000**	**37,000**	**38,000**	**49,000**	**30,000**	**36,000**
4-Methyl-2-Pentanone (MIBK)	**500**	*50*	**1,800**	**1,500**	**2,300**	**2,000**	**990**	**1,400**
Isopropyl Alcohol	**3,000[(1)]**		**32,000**	**21,000**	**12,000**	**14,000**	**9,500**	**11,000**
Tetrachloroethylene	**5**	*0.5*	<280	**220**	<280	<280	<280	<280
Toluene	**800**	*160*	**21,000**	**21,000**	**17,000**	**15,000**	**14,000**	**15,000**
1,1,1-Trichloroethane	**200**	*40*	**1,300**	**1,800**	**1,500**	**1,000**	**1,100**	**1,100**
Trichloroethylene	**5**	*0.5*	**920**	**1,100**	**760**	**680**	**730**	**700**
m-&p-Xylene	**2,000**	*400*	**4,800**	**5,400**	**4,600**	**3,000**	**2,600**	**2,600**
o-Xylene			**1,300**	**1,500**	**1,200**	**810**	**740**	**750**
Total VOCs	NSE	NSE	184,130	136,050	128,620	127,200	91,000	97,740

TABLE 7

SUMMARY OF DETECTED COMPOUNDS IN RW-10 (DECEMBER 2014 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			09/17	10/17	11/17	12/17	01/18	02/18
			NLS	NLS	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	**31,000**	**26,000**	**33,000**	**59,000**	**74,000**	**37,000**
cis-1,2-Dichloroethylene	**70**	*7.0*	**270**	<300	**300**	<300	**390**	<300
Ethylbenzene	**700**	*140*	<380	**780**	**870**	**1,100**	**1,300**	**950**
Methylene Chloride	**5**	*0.5*	**290**	**300**	**340**	**440**	**700**	**390**
Methyl Ethyl Ketone	**4,000**	*800*	**28,000**	**30,000**	**33,000**	**92,000**	**50,000**	**55,000**
4-Methyl-2-Pentanone (MIBK)	**500**	*50*	**1,100**	**1,300**	**1,100**	**2,000**	**800**	**1,000**
Isopropyl Alcohol	**3,000[1]**		**7,700**	**7,500**	**9,800**	**25,000**	**17,000**	**26,000**
Tetrachloroethylene	**5**	*0.5*	<210	<280	<280	<280	<280	<280
Toluene	**800**	*160*	**14,000**	**12,000**	**14,000**	**18,000**	**19,000**	**14,000**
1,1,1-Trichloroethane	**200**	*40*	**1,100**	**950**	**920**	**1,000**	**1,300**	**600**
Trichloroethylene	**5**	*0.5*	**800**	**550**	**610**	**620**	**830**	**430**
m-&p-Xylene	**2,000**	*400*	**2,500**	**2,400**	**2,800**	**3,300**	**4,100**	**2,900**
o-Xylene			**640**	**720**	**770**	**950**	**1,100**	**910**
Total VOCs	NSE	NSE	87,400	82,500	97,510	203,410	170,520	139,180

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			03/18	04/18	05/18	06/18	07/18	08/18
			NLS	NLS	NLS	NLS	Pace	Pace
Acetone	**9,000**	*1,800*	**60,000**	**39,000**	**74,000**	**87,000**	**99,100**	**80,100**
Benzene	**5**	*0.5*	<300	<300	<240	<600	**13.2**	**15.8**
Chloroform	**6**	*0.6*	<280	<280	<210	<550	<44.8	**49.5**
1,1-Dichloroethane	**850**	*85*	<240	<240	<230	<470	<17.0	39.3
cis-1,2-Dichloroethylene	**70**	*7.0*	**340**	**310**	**280**	<590	**403**	**499**
Ethylbenzene	**700**	*140*	**900**	**1,100**	**770**	**660**	**1,560**	**1,680**
Methylene Chloride	**5**	*0.5*	**440**	**360**	**500**	<590	**516**	**727**
Methyl Ethyl Ketone	**4,000**	*800*	**66,000**	**11,000**	**91,000**	**97,000**	**134,000**	**123,000**
4-Methyl-2-Pentanone (MIBK)	**500**	*50*	**680**	<670	**1,500**	<1,300	**1,650**	**1,690**
Methyl-tert-butyl ether	**60**	*12*	<260	<260	<270	<510	*30.2*	*29.2*
Isopropyl Alcohol	**3,000[1]**		**23,000**	**9,100**	**54,000**	**33,000**	N/A	N/A
Tetrachloroethylene	**5**	*0.5*	<280	<280	<210	<550	**122**	**150**
Toluene	**800**	*160*	**13,000**	**14,000**	**14,000**	**12,000**	**19,100**	**20,300**
1,1,1-Trichloroethane	**200**	*40*	**710**	**850**	<220	<490	**929**	**1,140**
Trichloroethylene	**5**	*0.5*	<400	<400	**460**	<810	**752**	**759**
1,2,4-Trimethylbenzene	**480**	*96*	<260	<260	<230	<520	*98.9*	*114*
1,3,5-Trimethylbenzene			<270	<270	<250	<530	*32.5*	*39.8*
Vinyl Chloride	**0.2**	*0.02*	<210	<210	<200	<430	<9.2	**29.6**
m-&p-Xylene	**2,000**	*400*	**2,700**	**3,300**	**2,500**	**2,200**	**6,750**	**7,320**
o-Xylene			**940**	**1,000**	**790**	**690**		
Total VOCs	NSE	NSE	168,710	80,020	239,800	232,550	265,057	237,682

TABLE 7

SUMMARY OF DETECTED COMPOUNDS IN RW-10 (DECEMBER 2014 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			09/18	10/18	11/18	07/19	08/19	09/19
			Pace	Pace	Pace	Pace	Pace	Pace
Acetone	**9,000**	*1,800*	**84,800**	**66,900**	**56,500**	**77,400**	**44,300**	**55,400**
Chloroform	**6**	*0.6*	<89.6	<89.6	**123**	<89.6	<89.6	<44.8
1,1-Dichloroethane	**850**	*85*	<34.0	34.5	<42.5	<34.0	<34.0	27.1
1,2-Dichloroethane	**5**	*0.5*	<43.6	<43.6	<54.4	**49.1**	<43.6	<21.8
cis-1,2-Dichloroethylene	**70**	*7.0*	**277**	**352**	**217**	**346**	**218**	**279**
Ethylbenzene	**700**	*140*	**1,280**	**1,430**	**1,040**	**1,400**	**974**	**1,050**
Methylene Chloride	**5**	*0.5*	**628**	**448**	**440**	**488**	**340**	**284**
Methyl Ethyl Ketone	**4,000**	*800*	**113,000**	**99,000**	**85,900**	**101,000**	**68,000**	**66,300**
4-Methyl-2-Pentanone (MIBK)	**500**	*50*	**1,490**	**1,310**	**1,070**	**1,020**	**651**	**500**
Methyl-tert-butyl ether	**60**	*12*	<32.2	<32.2	<40.2	**119**	<32.2	*20.8*
Tetrachloroethylene	**5**	*0.5*	**199**	**255**	<42.5	**250**	**140**	**95.1**
Toluene	**800**	*160*	**15,900**	**18,100**	**13,800**	**11,600**	**10,900**	**13,500**
1,1,1-Trichloroethane	**200**	*40*	**701**	**942**	**635**	**820**	**614**	**703**
Trichloroethylene	**5**	*0.5*	**584**	**754**	**478**	**610**	**450**	**567**
1,2,4-Trimethylbenzene	**480**	*96*	68.5	*106*	87.3	*112*	60.5	67.9
1,3,5-Trimethylbenzene			24.6	*43.4*	<30.5	*36.0*	<24.4	20.0
Xylenes (total)	**2,000**	*400*	**5,360**	**6,330**	**4,780**	**5,690**	**4,040**	**4,350**
Total VOCs	NSE	NSE	224,312	196,005	165,070	200,940	130,688	143,164

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			10/19					
			Pace					
Acetone	**9,000**	*1,800*	**51,700**					
Chloroform	**6**	*0.6*	<49.3					
1,1-Dichloroethane	**850**	*85*	<17.0					
1,2-Dichloroethane	**5**	*0.5*	<21.8					
cis-1,2-Dichloroethylene	**70**	*7.0*	**258**					
Ethylbenzene	**700**	*140*	**1,000**					
Methylene Chloride	**5**	*0.5*	**249**					
Methyl Ethyl Ketone	**4,000**	*800*	**59,800**					
4-Methyl-2-Pentanone (MIBK)	**500**	*50*	**517**					
Methyl-tert-butyl ether	**60**	*12*	<16.1					
Tetrachloroethylene	**5**	*0.5*	<17.0					
Toluene	**800**	*160*	**14,100**					
1,1,1-Trichloroethane	**200**	*40*	**641**					
Trichloroethylene	**5**	*0.5*	**434**					
1,2,4-Trimethylbenzene	**480**	*96*	46.3					
1,3,5-Trimethylbenzene			<12.2					
Xylenes (total)	**2,000**	*400*	**4,550**					
Total VOCs	NSE	NSE	133,295	0	0	0	0	0

TABLE 7

SUMMARY OF DETECTED COMPOUNDS IN RW-10 (DECEMBER 2014 THROUGH OCTOBER 2019)

NOTES:

Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).

Detected concentrations at or above an applicable NR 140 PAL but less than an applicable ES are *italicized* .

Detected concentrations at or above an applicable NR 140 ES are in **bold**.

NR 140 ES and PAL values listed on table downloaded from WAC website - http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf, s. NR 140.10, Wis. Adm. Code, Table 1, Register Feb 2017 No. 734.

Some reported values fall below the Limit of Quantitation set by the lab.

Each subsection of this table includes only those compounds detected in one or more samples collected during the range of dates shown.

NSE = No standard exists in NR 140 for this substance/group.

Total VOCs = Summation of the detected volatile organic compounds on the sample month/year shown.

FOOTNOTE:

(1) There is no NR 140 PAL or ES for 2-propanol (aka isopropyl alcohol). The WDNR has recommended using the health advisory limit of 3,000 ppb based on a 10^{-6} cancer risk per http://dnr.wi.gov/topic/drinkingwater/documents/haltable.pdf.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 8

ESTIMATED VOLUME OF WATER PUMPED & MASS OF VOCs REMOVED BY RW-10

Sample Date or Month/Year	Meter Reading Date or Month/Yr[2]	Meter Reading (gallons)	Total VOC Concentration (µg/ℓ)	Incremental Mass of VOCs Removed (lbs)	Cumulative Mass of VOCs Removed (lbs)
12/14[1]	12/14	51,993	39,246	17	17
09/15	09/15	217,334	167,570	143	160
10/15	10/15	333,585	155,750	157	317
11/15	11/15	397,324	106,990	70	386
12/15	12/15	487,178	84,910	72	458
01/16	01/16	598,127	145,800	107	565
04/16[2]	04/16	617,381	145,800	23	589
05/16	05/16	720,975	188,643	145	733
06/16	06/16	818,393	199,760	158	891
07/12/16	07/12/16	934,309	116,240	153	1,044
08/10/16 [3]	08/10/16	1,051,221	160,840	135	1,179
09/06/16	09/06/16	1,156,341	134,280	129	1,308
10/05/16	10/05/16	1,320,502	157,220	200	1,508
11/03/16	11/03/16	1,492,470	196,090	253	1,762
12/06/16	12/06/16	1,669,297	173,400	273	2,034
01/09/17	01/09/17	1,809,591	116,850	170	2,204
02/07/17	02/07/17	1,893,329	87,580	71	2,275
03/08/17	03/08/17	1,966,638	184,130	83	2,359
04/05/17[4]	04/05/17	2,100,973	136,050	179	2,538
05/02/17	05/02/17	2,236,807	128,620	150	2,688
06/06/17	06/06/17	2,420,597	127,200	196	2,884
07/11/17	07/11/17	2,602,490	91,000	166	3,050
08/08/17	08/08/17	2,720,801	97,740	93	3,143
09/07/17	09/07/17	2,849,291	87,400	99	3,242
10/04/17	10/04/17	2,946,888	82,500	69	3,311
11/07/17[4]	11/07/17	3,052,373	97,510	79	3,391
12/06/17	12/06/17	3,124,083	203,410	90	3,481
01/09/18	01/09/18	3,165,187	170,520	64	3,545
02/07/18	02/07/18	3,181,935	139,180	22	3,566
03/07/18	03/07/18	3,196,945	168,710	19	3,586
04/10/18	04/10/18	3,221,204	80,020	25	3,611
05/03/18	05/03/18	3,247,345	239,800	35	3,646
06/05/18	06/05/18	3,272,083	232,550	49	3,694
07/10/18	07/10/18	3,303,607	265,057	65	3,760

TABLE 8

ESTIMATED VOLUME OF WATER PUMPED & MASS OF VOCs REMOVED BY RW-10

Sample Date or Month/Year	Meter Reading Date or Month/Yr[(2)]	Meter Reading (gallons)	Total VOC Concentration (µg/ℓ)	Incremental Mass of VOCs Removed (lbs)	Cumulative Mass of VOCs Removed (lbs)
08/02/18	08/02/18	3,327,516	237,682	50	3,810
09/11/18	09/11/18	3,373,561	224,312	89	3,899
10/03/18	10/03/18	3,406,136	196,005	57	3,956
11/06/18	11/06/18	3,440,864	165,070	52	4,008
07/10/19	07/10/19	3,468,646	200,940	42	4,051
08/06/19	08/06/19	3,530,476	130,688	86	4,136
09/04/19	09/04/19	3,581,675	143,164	58	4,195
10/02/19	10/31/19	3,665,998	133,295	97	4,292

TABLE 8

ESTIMATED VOLUME OF WATER PUMPED & MASS OF VOCs REMOVED BY RW-10

NOTES:
Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).
Total VOC Concentration = Total detected VOCs in sample on date shown (see Table 7).

FOOTNOTES:
(1) RW-10 was installed and sampled in December 2014 but did not start pumping until July 24, 2015.

(2) The meter for RW-10 froze on several occasions during the winter of 2015-16, even though the well was still operating. As a result of the meter freezing, the total gallons of water pumped by RW-10 cannot be accurately determined. The total flow meter reading shown for April 2016 was the meter reading measured on April 30, 2016, and is likely significantly less than the total volume of water pumped by RW-10 since it was originally started on July 24, 2015. Additionally, no samples were collected from RW-10 between January and April 30, 2016, so the total concentration of VOCs measured in January 2016 were used to calculate the mass of VOCs removed between January and April 2016.

(3) The meter was reset on 8/1/16 after the meter reading (1,018,730 gal.) was recorded. All meter readings between August 2016 and March 2017 shown on this table were calculated by adding 1,018,730 gallons to the meter reading measured in the field.

(4) The meter was reset again on March 20, 2017, after reading 1,000,666 gallons. With previous adjustments, the meter readings after March 20, 2017, are calculated by adding 2,019,396 to the raw meter readings. The meter rolled over again in October 2017, so the amount added to raw reading increased to 3,019,396 in November 2017.

Calculation of Incremental Mass of VOCs Removed:

$[(V_2 - V_1) \times (C_2 + C_1)/2 \times 3.785\ \ell/1\ gal] \times 1\ lb/453{,}600{,}000\ \mu g$

Where: V_2 = total volume of water pumped on date of sample (gallons).
V_1 = total volume pumped on date of previous sample used in calculation (gallons).
C_2 = total VOC concentration estimated on date of sample (µg/ℓ).
C_1 = total VOC concentration estimated on previous sample date (µg/ℓ).

With the exception of the first sample date shown on the table, all VOC concentrations used to calculate the incremental mass of VOCs removed during a given time period are the average of the estimated total VOC concentrations on the current and previous sample dates.

Gannett Fleming

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 9

SUMMARY OF DETECTED COMPOUNDS IN RW-11 (DECEMBER 2014 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)							
			12/14	06/15	07/15	08/15	09/15	10/15	11/15	12/15
			Pace	Pace	NLS	NLS	NLS	NLS	NLS	NLS
1,2-Dichlorobenzene	**600**	*60*	74.0	<50.0	<160	<230	<60	<120	<140	<140
1,1-Dichloroethane	**850**	*85*	*189*	*173*	*250*	<250	<240	*220*	<200	<200
cis-1,2-Dichloroethylene	**70**	*7*	**1,830**	**1,930**	**2,500**	**2,200**	**2,410**	**2,100**	**1,800**	**1,800**
Ethylbenzene	**700**	*140*	**4,240**	**1,670**	**1,400**	**970**	**1,610**	<140	**780**	*430*
Isopropylbenzene (Cumene)	NSE	NSE	47.6	22.1	<190	<240	<290	<150	<190	<190
Methylene Chloride	**5**	*0.5*	<23.3	<23.3	<180	**400**	<230	<140	**330**	<200
n-Propylbenzene	NSE	NSE	69.9	<50.0	<180	<270	<260	<150	<210	<210
Tetrachloroethylene	**5**	*0.5*	**62.9**	**77.8**	<220	<210	<270	<170	<170	<170
Toluene	**800**	*160*	**16,300**	**8,250**	**9,900**	**8,700**	**11,600**	**7,900**	**7,900**	**6,800**
Trichloroethene	**5**	*0.5*	<33.1	**92.8**	<170	<310	<180	<130	<240	<240
1,1,1-Trichloroethane	**200**	*40*	**362**	**420**	**670**	**570**	**687**	**540**	**480**	**490**
1,2,4-Trimethylbenzene	**480**	*96*	**551**	*271*	*240*	*220*	<280	*160*	*170*	<160
1,3,5-Trimethylbenzene			**150**	*110*	<210	<260	*108*	<160	<210	<210
m-&p-Xylene	**2,000**	*400*	**14,100**	**5,830**	**5,200**	**3,900**	**6,650**	**3,400**	**3,700**	**3,300**
o-Xylene			**4,770**	**2,270**	**1,800**	**1,400**	**2,310**	**1,300**	**1,400**	**1,200**
Vinyl chloride	**0.2**	*0.02*	<17.6	**67**	<160	<160	<200	<160	<120	<120
Total VOCs	NSE	NSE	42,746	21,184	21,960	18,360	25,375	15,620	16,560	14,020

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)							
			1/16	3/16	4/16	5/16		6/16	7/16	8/16
			NLS	NLS	NLS	Pace	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	ND	ND	ND	**2,030**	**2,600**	**1,900**	<5,200	<5,200
1,1-Dichloroethane	**850**	*85*	*200*	*190*	*190*	*266*	*300*	*330*	*340*	*270*
cis-1,2-Dichloroethylene	**70**	*7*	**1,800**	**1,600**	**1,600**	**2,060**	**2,500**	**2,800**	**2,800**	**2,000**
1,2-Dichloropropane	**5**	*0.5*	ND	ND	ND	**13**	<95	<110	<300	<350
Ethylbenzene	**700**	*140*	*640*	*130*	*290*	*368*	*600*	**730**	<380	**1,200**
Methyl Ethyl Ketone	**4000**	*800*	ND	ND	ND	*1,880*	*910*	650	<630	<710
Isopropyl Alcohol	**3,000**[1]		ND	ND	ND	1,390	<2000	<1,800	<6,200	<5,500
Toluene	**800**	*160*	**7,300**	**9,900**	**4,800**	**6,820**	**7,800**	**7,500**	**18,000**	**11,000**
Trichloroethene	**5**	*0.5*	<240	<160	<130	<16.5	<94	<130	**490**	<400
1,1,1-Trichloroethane	**200**	*40*	**590**	**430**	**530**	**612**	**900**	**860**	**1,300**	**790**
1,2,4-Trimethylbenzene	**480**	*96*	*170*	*110*	*180*	*229*	*180*	*280*	<230	*270*
1,3,5-Trimethylbenzene			<210	<110	<85	*90.8*	*80*	*96*	<250	<270
m-&p-Xylene	**2,000**	*400*	**1,400**	**2,000**	**4,000**	**5,210**	**5,500**	**5,700**	**5,600**	**5,800**
o-Xylene			**4,300**	**840**	**1,400**	**1,840**	**1,800**	**1,800**	**1,900**	**1,800**
Vinyl chloride	**0.2**	*0.02*	<120	<85	<68	**64.0**	<64	**92**	<200	<210
Total VOCs	NSE	NSE	16,400	15,200	12,990	22,873	23,170	22,738	30,430	23,130

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)							
			9/16	10/16	11/16	12/16	01/17	02/17	03/17	04/17
			NLS	NLS	NLS	NLS	NLS	NLS	NLS	NLS
1,1-Dichloroethane	**850**	*85*	*220*	*300*	*320*	*310*	*250*	*250*	*200*	*280*
cis-1,2-Dichloroethylene	**70**	*7*	**1,500**	**1,800**	**1,800**	**1,500**	**1,400**	**1,600**	**1,100**	**1,500**
Ethylbenzene	**700**	*140*	**1,000**	<300	**1,200**	*560*	*580*	<240	*890*	**890**
Toluene	**800**	*160*	**11,000**	**13,000**	**12,000**	**9,400**	**7,800**	**9,800**	**8,900**	**11,000**
Trichloroethene	**5**	*0.5*	<320	<240	<320	<320	<320	**250**	<260	**260**
1,1,1-Trichloroethane	**200**	*40*	**610**	**910**	**870**	**870**	**770**	**820**	**630**	**890**
1,2,4-Trimethylbenzene	**480**	*96*	<210	*240*	*220*	<210	<210	<150	*200*	*210*
1,3,5-Trimethylbenzene			<210	<200	<210	<210	<210	<160	<170	<160
m-&p-Xylene	**2,000**	*400*	**5,100**	**5,300**	**4,900**	**3,800**	**3,200**	**3,600**	**4,100**	**4,600**
o-Xylene			**1,600**	**1,800**	**1,700**	**1,400**	**1,100**	**1,300**	**1,300**	**1,500**
Total VOCs	NSE	NSE	21,030	23,350	23,010	17,840	15,100	17,620	17,320	21,130

TABLE 9

SUMMARY OF DETECTED COMPOUNDS IN RW-11 (DECEMBER 2014 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)							
			05/17	06/17	07/17	08/17	09/17	10/17	11/17	12/17
			NLS	NLS	NLS	NLS	NLS	NLS	NLS	NLS
1,1-Dichloroethane	**850**	*85*	*270*	*200*	*270*	*230*	*240*	*260*	*280*	*240*
cis-1,2-Dichloroethylene	**70**	*7*	**1,800**	**1,300**	**1,800**	**1,300**	**1,600**	**1,600**	**1,800**	**1,400**
Ethylbenzene	**700**	*140*	**1,200**	**790**	**990**	**1,100**	<300	**1,000**	**850**	**780**
Methyl Ethyl Ketone	**4000**	*800*	*1,700*	*1,400*	*1,400*	<570	<500	<570	<570	710
Toluene	**800**	*160*	**11,000**	**8,500**	**10,000**	**11,000**	**11,000**	**11,000**	**12,000**	**9,900**
Trichloroethene	**5**	*0.5*	<260	<260	<260	<320	<240	<320	<320	<320
1,1,1-Trichloroethane	**200**	*40*	**1,000**	**710**	**960**	**740**	**780**	**690**	**840**	**710**
1,2,4-Trimethylbenzene	**480**	*96*	*230*	<170	<170	<210	<180	<210	<210	<210
1,3,5-Trimethylbenzene			<170	<170	<170	<210	<200	<210	<210	<210
m-&p-Xylene	**2,000**	*400*	**4,700**	**2,600**	**3,200**	**3,300**	**3,400**	**3,800**	**3,600**	**3,200**
o-Xylene			**1,600**	**860**	**1,100**	**1,000**	**1,200**	**1,200**	**1,300**	**1,100**
Total VOCs	NSE	NSE	23,500	16,360	19,720	18,670	18,220	19,550	20,670	18,040

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)							
			04/18	05/18	06/18	07/18	08/18	09/18	10/18	11/18
			NLS	NLS	NLS	Pace	Pace	Pace	Pace	Pace
Benzene	**5**	*0.5*	<240	<190	<240	**11.2**	**9.2**	**5.0**	**6.7**	<5.1
Chloroethane	**400**	*80*	<930	<1,500	<930	15.1	<24.5	<12.2	<24.5	<24.5
Chloroform	**6**	*0.6*	<220	<170	<220	*1.6*	<22.4	<11.2	<22.4	<22.4
1,2-Dichlorobenzene	**600**	*60*	<210	<220	<210	18.4	14.5	12.8	<6.8	<6.8
1,3-Dichlorobenzene	**600**	*120*	<200	<200	<200	0.67	<8.0	<4.0	<8.0	<8.0
1,4-Dichlorobenzene	**75**	*15*	<270	<210	<270	1.9	<8.4	<4.2	<8.4	<8.4
1,1-Dichloroethane	**850**	*85*	*210*	*200*	*280*	*208*	*233*	*127*	*179*	*243*
1,2-Dichloroethane	**5**	*0.5*	<220	<190	<220	*3.1*	<10.9	<5.4	<10.9	<10.9
1,1-Dichloroethene	**7**	*0.7*	<200	<160	<200	**10.4**	<8.0	<4.0	<8.0	<8.0
cis-1,2-Dichloroethylene	**70**	*7*	**1,200**	**1,100**	**2,000**	**1,850**	**1,940**	**880**	**1,160**	**1,400**
trans-1,2,-Dichloroethylene	**100**	*20*	<170	<150	<170	2.6	<5.8	<2.9	<5.8	<11.8
Ethylbenzene	**700**	*140*	**1,500**	**760**	**940**	**1,390**	**1,250**	*624*	*554*	*266*
Methylene Chloride	**5**	*0.5*	<240	<200	<240	<98.0	**103**	<24.5	<49.0	<49.0
Methyl Ethyl Ketone	**4000**	*800*	<570	<500	<570	<99.2	<49.6	<24.8	<49.6	<49.6
Methyl-tert-butyl ether	**60**	*12*	<210	<220	<210	0.98	<8.0	<4.0	<8.0	<8.0
Tetrachloroethene	**5**	*0.5*	<220	<170	<220	**69.4**	**59.6**	**28.3**	**36.2**	**22.9**
Toluene	**800**	*160*	**11,000**	**8,400**	**11,000**	**12,800**	**12,100**	**6,890**	**6,690**	**5,670**
1,1,1-Trichloroethane	**200**	*40*	**670**	**570**	**1,000**	**999**	**1,010**	**388**	**395**	**677**
1,1,2-Trichloroethane	**5**	*0.5*	<200	<170	<200	**28.3**	**19.2**	**8.0**	**15.8**	<9.0
Trichloroethene	**5**	*0.5*	<320	**260**	<320	**208**	**136**	**55.9**	**84.4**	**69.3**
1,2,4-Trimethylbenzene	**480**	*96*	<210	<180	<210	*278*	*307*	*196*	*189*	*223*
1,3,5-Trimethylbenzene			<210	<200	<210	*105*	*92.3*	*58.7*	*56.6*	*65.8*
Vinyl chloride	**0.2**	*0.02*	<170	<160	<170	**57.2**	**66.0**	**23.1**	**25.8**	**68.1**
Xylenes (total)	**2,000**	*400*	**6,500**	**4,400**	**5,000**	**7,690**	**8,010**	**4,380**	**4,570**	**5,310**
Total VOCs	NSE	NSE	21,080	15,690	20,220	25,749	25,350	13,677	13,963	14,015

TABLE 9

SUMMARY OF DETECTED COMPOUNDS IN RW-11 (DECEMBER 2014 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)							
			12/18	01/19	02/19	03/19	04/19	05/19	06/19	07/19
			Pace	Pace	Pace	Pace	Pace	Pace	Pace	Pace
Benzene	**5**	*0.5*	*4.2*	**6.8**	<5.1	<5.1	**9.4**	<10.2	**5.9**	<10.2
Chloroethane	**400**	*80*	34.4	24.9	<24.5	52.2	41.1	<49.0	<24.5	<49.0
Chloroform	**6**	*0.6*	<9.0	<11.2	<22.4	<22.4	<11.2	<44.8	**23.0**	<44.8
1,2-Dichlorobenzene	**600**	*60*	9.3	9.0	<6.8	10.5	11.3	<13.7	<6.8	<13.7
1,3-Dichlorobenzene	**600**	*120*	<3.2	<4.0	<8.0	<8.0	<4.0	<16.1	<8.0	<16.1
1,4-Dichlorobenzene	**75**	*15*	<3.4	<4.2	<8.4	<8.4	<4.2	<16.9	<8.4	<16.9
1,1-Dichloroethane	**850**	*85*	*218*	*173*	*184*	*141*	*181*	*238*	*235*	*237*
1,2-Dichloroethane	**5**	*0.5*	<4.4	<5.4	<10.9	<10.9	<5.4	<21.8	<10.9	<21.8
1,1-Dichloroethene	**7**	*0.7*	*6.9*	<4.0	<8.0	<8.0	<4.0	<15.9	<8.0	<15.9
cis-1,2-Dichloroethylene	**70**	*7*	**1,180**	**1,080**	**1,080**	**903**	**1,170**	**1,510**	**1,580**	**1,580**
trans-1,2,-Dichloroethylene	**100**	*20*	<4.7	7.8	<11.8	<11.8	<5.9	<23.7	<11.8	<23.7
Ethylbenzene	**700**	*140*	116	*188*	*199*	128	**1,670**	**1,880**	**1,740**	**1,290**
Methylene Chloride	**5**	*0.5*	<19.6	<24.5	<49.0	<49.0	<24.5	<98.0	<49.0	<98.0
Methyl Ethyl Ketone	**4000**	*800*	<19.8	<24.8	<49.6	<49.6	<24.8	<99.2	<49.6	<99.2
Methyl-tert-butyl ether	**60**	*12*	<3.2	<4.0	<8.0	<8.0	<4.0	<16.1	<8.0	<16.1
Tetrachloroethene	**5**	*0.5*	**11.0**	**19.5**	**13.8**	<8.5	**45.3**	**56.6**	<8.5	<17.0
Toluene	**800**	*160*	**3,970**	**4,890**	**5,240**	**3,750**	**11,300**	**13,400**	**11,700**	**11,400**
1,1,1-Trichloroethane	**200**	*40*	**525**	**589**	**460**	**296**	**650**	**851**	**793**	**738**
1,1,2-Trichloroethane	**5**	*0.5*	**13.6**	**12.7**	<9.0	<9.0	**14.5**	<18.0	<9.0	<18.0
Trichloroethene	**5**	*0.5*	**53.0**	**69.8**	**59.6**	**43.3**	**252**	**347**	**261**	**107**
1,2,4-Trimethylbenzene	**480**	*96*	*179*	*196*	*186*	*173*	*313*	*312*	*264*	*262*
1,3,5-Trimethylbenzene			*61.4*	*55.8*	*51.0*	*52.8*	*92.0*	*97.8*	*77.1*	*80.0*
Vinyl chloride	**0.2**	*0.02*	**77.1**	**74.7**	<4.6	**34.9**	**59.5**	**57.0**	**58.2**	**53.5**
Xylenes (total)	**2,000**	*400*	**4,630**	**4,790**	**4,390**	**3,610**	**7,150**	**7,920**	**7,420**	**5,950**
Total VOCs	NSE	NSE	11,089	12,187	11,863	9,195	22,959	26,669	24,157	21,698

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)							
			08/19	09/19	10/19					
			Pace	Pace	Pace					
Benzene	**5**	*0.5*	**5.9**	<10.2	<10.2					
Chloroethane	**400**	*80*	18.5	<49.0	<49.0					
Chloroform	**6**	*0.6*	<4.5	<44.8	<49.3					
1,2-Dichlorobenzene	**600**	*60*	10.5	<13.7	<13.7					
1,3-Dichlorobenzene	**600**	*120*	<1.6	<16.1	<16.1					
1,4-Dichlorobenzene	**75**	*15*	<1.7	<16.9	<16.9					
1,1-Dichloroethane	**850**	*85*	*192*	*252*	*234*					
1,2-Dichloroethane	**5**	*0.5*	4.6	<21.8	<21.8					
1,1-Dichloroethene	**7**	*0.7*	*5.7*	<15.9	<15.9					
cis-1,2-Dichloroethylene	**70**	*7*	**1,350**	**1,770**	**1,570**					
trans-1,2,-Dichloroethylene	**100**	*20*	2.4	<23.7	<23.7					
Ethylbenzene	**700**	*140*	674	**1,700**	**1,690**					
Methylene Chloride	**5**	*0.5*	**10.9**	<98.0	<149					
Methyl Ethyl Ketone	**4000**	*800*	25.8	<99.2	<99.2					
Methyl-tert-butyl ether	**60**	*12*	<1.6	<16.1	<16.1					
Tetrachloroethene	**5**	*0.5*	**10**	<17.0	<17.0					
Toluene	**800**	*160*	**7,810**	**13,800**	**13,300**					
1,1,1-Trichloroethane	**200**	*40*	**464**	**866**	**674**					
1,1,2-Trichloroethane	**5**	*0.5*	**17.6**	<18.0	<18.0					
Trichloroethene	**5**	*0.5*	**54.8**	**90.6**	**79.8**					
1,2,4-Trimethylbenzene	**480**	*96*	*214*	*231*	*210*					
1,3,5-Trimethylbenzene			*61.6*	*72.0*	*56.5*					
Vinyl chloride	**0.2**	*0.02*	**31.2**	**81.9**	**59.7**					
Xylenes (total)	**2,000**	*400*	**4,920**	**7,640**	**7,880**					
Total VOCs	NSE	NSE	15,884	26,504	25,754	0	0	0	0	0

TABLE 9

SUMMARY OF DETECTED COMPOUNDS IN RW-11 (DECEMBER 2014 THROUGH OCTOBER 2019)

NOTES:

Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).

Detected concentrations at or above an applicable NR 140 PAL but less than an applicable ES are italicized.

Detected concentrations at or above an applicable NR 140 ES are in bold.

NR 140 ES and PAL values listed on table downloaded from WAC website - http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf, s. NR 140.10, Wis. Adm. Code, Table 1, Register February 2017 No. 734.

Some reported values fall below the Limit of Quantitation set by the lab.

Each subsection of this table includes only those compounds detected in one or more samples collected during the range of dates shown.

ND = Non-Detect

NSE = No standard exists in NR 140 for this substance/group.

Total VOCs = Summation of the detected volatile organic compounds on the sample month/year shown.

FOOTNOTE:

(1) There is no NR 140 PAL or ES for 2-propanol (aka isopropyl alcohol). The WDNR has recommended using the health advisory limit of 3,000 ppb based on a 10^{-6} cancer risk taken from the following website: http://dnr.wi.gov/topic/drinkingwater/documents/haltable.pdf.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 10

ESTIMATED VOLUME OF WATER PUMPED & MASS OF VOCs REMOVED BY RW-11

Sample Date or Month/Year	Meter Reading Date or Month/Year	Meter Reading (gallons)	Total VOC Concentration (µg/ℓ)	Incremental Mass of VOCs Removed (lbs)	Cumulative Mass of VOCs Removed (lbs)
12/14/20	12/14	1,000	42,492	0.35	0.35
06/15	06/15	37,181	21,184	9.6	10.0
07/15	07/15	91,380	21,960	9.8	19.7
08/15	08/15	95,190	18,360	0.64	20
09/15	09/15	128,466	25,375	6.1	26
10/15	10/15	170,497	15,620	7.2	34
11/15	11/15	193,318	16,560	3.1	37
12/15	12/15	228,625	14,020	4.5	41
01/16	01/16	269,638	16,400	5.2	46
03/16	03/16	316,271	15,200	6.1	53
04/16	04/16	360,230	12,990	5.2	58
05/16	05/16	394,622	23,170	5.2	63
06/16	06/16	436,170	22,738	8.0	71
07/16	07/16	486,013	30,430	11.1	82
08/16	08/16	532,968	23,130	10.5	92
09/16	09/16	594,066	21,030	11.3	104
10/16	10/16	661,736	23,350	12.5	116
11/16	11/16	724,209	23,010	12.1	128
12/16	12/16	781,096	17,840	9.7	138
01/09/17	01/09/17	821,588	15,100	5.6	144
02/07/17	02/07/17	864,699	17,620	5.9	149
03/08/17	03/08/17	922,126	17,320	8.4	158
04/05/17	04/05/17	996,282	21,130	11.9	170
05/02/17	05/02/17	1,065,904	23,500	13.0	183
06/06/17	06/06/17	1,151,419	16,360	14.2	197
07/11/17	07/11/17	1,235,069	19,720	12.6	209
08/08/17	08/08/17	1,284,518	18,670	7.9	217
09/07/17	09/07/17	1,359,676	18,220	11.6	229
10/04/17	10/04/17	1,423,277	19,550	10.0	239
11/07/17	11/07/17	1,504,043	20,670	13.6	253
12/06/17	12/06/17	1,568,950	18,040	10.5	263
04/05/18	04/05/18	1,617,853	21,080	8.0	271
05/03/18	05/03/18	1,675,797	15,690	8.9	280
06/05/18	06/05/18	1,740,081	20,220	9.6	290
07/10/18	07/10/18	1,806,774	25,700	12.8	302
08/02/18	08/02/18	1,851,038	25,326	9.4	312
09/11/18	09/11/18	1,925,126	13,659	12.1	324

TABLE 10

ESTIMATED VOLUME OF WATER PUMPED & MASS OF VOCs REMOVED BY RW-11

Sample Date or Month/Year	Meter Reading Date or Month/Year	Meter Reading (gallons)	Total VOC Concentration (µg/ℓ)	Incremental Mass of VOCs Removed (lbs)	Cumulative Mass of VOCs Removed (lbs)
10/03/18	10/03/18	1,965,448	13,956	4.6	328
11/06/18	11/06/18	2,024,820	14,015	6.9	335
12/04/18	12/04/18	2,044,792	11,089	2.1	337
01/09/19	01/09/19	2,080,581	12,187	3.5	341
02/14/19	02/14/19	2,110,075	11,863	3.0	344
03/05/19	03/05/19	2,129,186	9,195	1.7	346
04/04/19	04/04/19	2,164,387	22,959	4.7	350
05/07/19	05/07/19	2,208,077	26,669	9.0	359
06/04/19	06/04/19	2,224,165	24,157	3.4	363
07/10/19	07/10/19	2,262,360	21,698	7.3	370
08/06/19	08/06/19	2,288,174	15,884	4.0	374
09/04/19	09/04/19	2,331,349	26,504	7.6	382
10/02/19	10/31/19	2,395,301	25,754	13.9	396

TABLE 10

ESTIMATED VOLUME OF WATER PUMPED & MASS OF VOCs REMOVED BY RW-11

NOTES:

Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).

Total VOC Concentration = Total detected VOCs in sample on date shown (see Table 9).

Add 281,626 gallons to raw meter readings after February 2016 to account for periods when the meter froze and was reset in January and February 2016.

RW-11 meter was reset on 7/31/17, after recording 1,279,733 gallons.

The RW-11 meter was reset on 07/25/19 after recording 1,000,600 gallons.

FOOTNOTE:

(1) RW-11 was installed and sampled in December 2014 but did not start pumping until 5/15/15.

Calculation of Incremental Mass of VOCs Removed:

$[(V_2 - V_1) \times (C_2 + C_1)/2 \times 3.785\ ℓ/1\ gal] \times 1\ lb/453{,}600{,}000\ µg$

Where: V_2 = total volume of water pumped on date of sample (gallons).

V_1 = total volume pumped on date of previous sample used in calculation (gallons).

C_2 = total VOC concentration estimated on date of sample (µg/ℓ).

C_1 = total VOC concentration estimated on previous sample date (µg/ℓ).

With the exception of the first sample date shown on the table, all VOC concentrations used to calculate the incremental mass of VOCs removed during a given time period are the average of the estimated total VOC concentrations on the current and previous sample dates.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 11

SUMMARY OF DETECTED COMPOUNDS IN RW-12 (AUGUST 2017 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year and Concentration (µg/ℓ)					
			08/17	10/17	05/18	10/18	02/19	03/19
Acetone	**9,000**	*1,800*	**69,300**	**114,000**	**80,000**	**24,000**	**16,900**	**15,200**
Benzene	**5**	*0.5*	<200	<500	**97**	<30	**53.6**	**58.7**
2-Butanone (MEK)	**4,000**	*800*	**16,400**	**30,100**	**16,000**	*3,700*	*2,630*	*3,030*
n-Butylbenzene	NSE	NSE	<92.0	<500	5.3	<22	NA	NA
Chloroethane	**400**	*80*	<150	<375	*260*	*110*	<24.5	*247*
Chloroform	**6**	*0.6*	<1,000	<2,500	**56**	<26	**25.6**	**129**
Cyclohexane	NSE	NSE	NA	NA	53	NA	NA	NA
1,2-Dichlorobenzene	**600**	*60*	<200	<500	7.4	<27	<6.8	<34.2
1,1-Dichloroethane	**850**	*85*	*353*	*774*	**1,600**	*710*	*678*	*695*
1,2-Dichloroethane	**5**	*0.5*	<67.2	**300**	**210**	<17	**104**	**129**
1,1-Dichloroethene	**7**	*0.7*	<164	**548**	**250**	**120**	**137**	**136**
cis-1,2-Dichloroethene	**70**	*7*	**2,180**	**6,790**	**9,000**	**4,100**	**4,660**	**4,510**
trans-1,2-Dichloroethene	**100**	*20*	<103	<257	16	<28	<11.8	<59.2
1,2-Dichloropropane	**5**	*0.5*	<93.2	<233	**92**	<25	NA	NA
Ethylbenzene	**700**	*140*	**1,730**	**3,700**	**4,100**	**2,900**	**2,560**	**2,520**
2-Hexanone (Methyl Butyl Ketone)	NSE	NSE	NA	NA	26	NA	NA	NA
Isopropyl Ether (Diisopropyl ether)	NSE	NSE	<200	<500	19	<13	NA	NA
Isopropylbenzene	NSE	NSE	<57.3	<143	37	<31	NA	NA
p-Isopropyltoluene	NSE	NSE	<200	<500	2.2	<14	NA	NA
4-Methyl-2-pentanone (MIBK)	**500**	*50*	**10,200**	**22,100**	**6,900**	**1,600**	**2,220**	**2,760**
Methyl Acetate	NSE	NSE	NA	NA	59	NA	NA	NA
Methyl Tert-Butyl Ether	**60**	*12*	<69.7	<174	6.1	<12	<8.0	<40.2
Methylcyclohexane	NSE	NSE	NA	NA	21	NA	NA	NA
Methylene Chloride	**5**	*0.5*	**1,520**	**4,660**	**2,400**	**670**	**891**	**1,290**
Naphthalene	**100**	*10*	<1,000	<2,500	26	<18	NA	NA
2-Propanol (Isopropyl Alcohol)	**3,000**[(1)]		**163,000**	**231,000**	NA	**25,000**	NA	NA
n-Propylbenzene	NSE	NSE	<200	<500	41	<24	NA	NA
Styrene	**100**	*10*	<200	<500	*34*	**140**	NA	NA
Tetrachloroethene	**5**	*0.5*	<200	<500	**190**	<27	**93.2**	**85.7**
Toluene	**800**	*160*	**38,200**	**88,400**	**62,000**	**20,000**	**38,100**	**36,900**
Trichloroethene	**5**	*0.5*	**1,620**	**2,270**	**490**	**190**	**189**	**194**
1,1,1-Trichloroethane	**200**	*40*	**1,800**	**5,170**	**2,600**	**1,400**	**1,690**	**1,610**
1,1,2-Trichloroethane	**5**	*0.5*	<79.0	<197	**180**	<40	**68.0**	**66.0**
1,1,2-Trichlorotrifluoroethane	NSE	NSE	NA	NA	560	<20	NA	NA
1,2,4-Trimethylbenzene	**480**	*96*	<200	<500	*280*	*200*	*221*	*230*
1,3,5-Trimethylbenzene			<200	<500	*82*	<29	*63.9*	*67.1*
Vinyl Chloride	**0.2**	*0.02*	<70.2	<176	**540**	**280**	**456**	**502**
Xylenes (Total)	**2,000**	*400*	**7,290**	**13,780**	**14,600**	**12,000**	**11,700**	**10,600**
Total VOCs			**313,593**	**523,592**	**202,840**	**97,120**	**83,440**	**80,960**

TABLE 11

SUMMARY OF DETECTED COMPOUNDS IN RW-12 (AUGUST 2017 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year and Concentration (µg/ℓ)					
			04/19	05/19[2]	06/19	07/19	08/19	09/19
Acetone	**9,000**	*1,800*	**10,300**	**9,980**	*6,730*	**9,950**	*8,220*	*5,990*
Benzene	**5**	*0.5*	**54.4**	NA	**58.0**	**99.8**	**58.0**	**40.3**
2-Butanone (MEK)	**4,000**	*800*	<248	**2,660**	*2,560*	**4,030**	*2,600*	*1,860*
n-Butylbenzene	NSE	NSE	NA	NA	NA	NA	NA	NA
Chloroethane	**400**	*80*	*174*	NA	*85.0*	<122	*87.0*	<122
Chloroform	**6**	*0.6*	<112	NA	**28.7**	<112	**28.2**	**118**
Chloromethane	**30**	*3*	<38.8	<38.8	<1.6	<38.8	<3.9	<38.8
Cyclohexane	NSE	NSE	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	**600**	*60*	<34.2	NA	4.5	<34.2	4.6	<34.2
1,1-Dichloroethane	**850**	*85*	*656*	NA	*581*	*546*	*615*	*527*
1,2-Dichloroethane	**5**	*0.5*	<54.5	NA	**91.8**	**135**	**73.8**	<54.5
1,1-Dichloroethene	**7**	*0.7*	**115**	NA	**125**	**153**	**140**	**81.9**
cis-1,2-Dichloroethene	**70**	*7*	**4,060**	NA	**3,500**	**3,160**	**3,050**	**2,740**
trans-1,2-Dichloroethene	**100**	*20*	<59.2	NA	2.4	<59.2	7.5	<59.2
1,2-Dichloropropane	**5**	*0.5*	NA	NA	NA	NA	NA	NA
Ethylbenzene	**700**	*140*	**2,630**	NA	**2,180**	**2,510**	**2,580**	**2,550**
2-Hexanone (Methyl Butyl Ketone)	NSE	NSE	NA	NA	NA	NA	NA	NA
Isopropyl Ether (Diisopropyl ether)	NSE	NSE	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NSE	NSE	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NSE	NSE	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	**500**	*50*	**3,040**	**3,520**	**3,500**	**3,750**	**3,150**	**2,620**
Methyl Acetate	NSE	NSE	NA	NA	NA	NA	NA	NA
Methyl Tert-Butyl Ether	**60**	*12*	<40.2	NA	*13.3*	<40.2	10.5	<40.2
Methylcyclohexane	NSE	NSE	NA	NA	NA	NA	NA	NA
Methylene Chloride	**5**	*0.5*	**992**	**1,610**	**926**	**975**	**775**	**647**
Naphthalene	**100**	*10*	NA	NA	NA	NA	NA	NA
2-Propanol (Isopropyl Alcohol)	**3,000[1]**		NA	NA	NA	NA	NA	NA
n-Propylbenzene	NSE	NSE	NA	NA	NA	NA	NA	NA
Styrene	**100**	*10*	NA	NA	NA	NA	NA	NA
Tetrachloroethene	**5**	*0.5*	**114**	NA	**90.1**	**137**	**89.0**	<42.5
Toluene	**800**	*160*	**37,800**	NA	**33,300**	**36,000**	**35,600**	**39,600**
Trichloroethene	**5**	*0.5*	**268**	NA	**313**	**397**	**375**	**350**
1,1,1-Trichloroethane	**200**	*40*	**1,600**	NA	**1,500**	**1,510**	**1,570**	**1,700**
1,1,2-Trichloroethane	**5**	*0.5*	**52.5**	NA	**66.2**	**91.9**	**56.1**	<45.0
1,1,2-Trichlorotrifluoroethane	NSE	NSE	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	**480**	*96*	*189*	NA	*187*	*205*	*189*	*170*
1,3,5-Trimethylbenzene			*61.1*	NA	*59.2*	*56.9*	*59.9*	*69.0*
Vinyl Chloride	**0.2**	*0.02*	**403**	NA	**274**	**209**	**291**	**263**
Xylenes (Total)	**2,000**	*400*	**10,900**	NA	**8,380**	**9,140**	**9,870**	**10,100**
Total VOCs			**73,409**	**17,770**	**64,555**	**73,056**	**69,500**	**69,426**

TABLE 11

SUMMARY OF DETECTED COMPOUNDS IN RW-12 (AUGUST 2017 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year and Concentration (µg/ℓ)					
			10/19					
Acetone	**9,000**	*1,800*	**9,010**					
Benzene	**5**	*0.5*	**48.4**					
2-Butanone (MEK)	**4,000**	*800*	*3,110*					
n-Butylbenzene	NSE	NSE	NA					
Chloroethane	**400**	*80*	<122					
Chloroform	**6**	*0.6*	<123					
Chloromethane	**30**	*3*	<121					
Cyclohexane	NSE	NSE	NA					
1,2-Dichlorobenzene	**600**	*60*	<34.2					
1,1-Dichloroethane	**850**	*85*	*492*					
1,2-Dichloroethane	**5**	*0.5*	**68.5**					
1,1-Dichloroethene	**7**	*0.7*	**105**					
cis-1,2-Dichloroethene	**70**	*7*	**2,760**					
trans-1,2-Dichloroethene	**100**	*20*	<59.2					
1,2-Dichloropropane	**5**	*0.5*	NA					
Ethylbenzene	**700**	*140*	**2,430**					
2-Hexanone (Methyl Butyl Ketone)	NSE	NSE	NA					
Isopropyl Ether (Diisopropyl ether)	NSE	NSE	NA					
Isopropylbenzene	NSE	NSE	NA					
p-Isopropyltoluene	NSE	NSE	NA					
4-Methyl-2-pentanone (MIBK)	**500**	*50*	**2,780**					
Methyl Acetate	NSE	NSE	NA					
Methyl Tert-Butyl Ether	**60**	*12*	<40.2					
Methylcyclohexane	NSE	NSE	NA					
Methylene Chloride	**5**	*0.5*	**922**					
Naphthalene	**100**	*10*	NA					
2-Propanol (Isopropyl Alcohol)	**3,000**[(1)]		NA					
n-Propylbenzene	NSE	NSE	NA					
Styrene	**100**	*10*	NA					
Tetrachloroethene	**5**	*0.5*	**66.0**					
Toluene	**800**	*160*	**42,800**					
Trichloroethene	**5**	*0.5*	**435**					
1,1,1-Trichloroethane	**200**	*40*	**1,650**					
1,1,2-Trichloroethane	**5**	*0.5*	<45.0					
1,1,2-Trichlorotrifluoroethane	NSE	NSE	NA					
1,2,4-Trimethylbenzene	**480**	*96*	93.9					
1,3,5-Trimethylbenzene			<30.5					
Vinyl Chloride	**0.2**	*0.02*	**177**					
Xylenes (Total)	**2,000**	*400*	**10,300**					
Total VOCs			**77,248**	**0**	**0**	**0**	**0**	**0**

TABLE 11

SUMMARY OF DETECTED COMPOUNDS IN RW-12 (AUGUST 2017 THROUGH OCTOBER 2019)
#REF!

NOTES:
Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).
Detected concentrations at or above an applicable NR 140 PAL but less than an applicable ES are italicized.
Detected concentrations at or above an applicable NR 140 ES are in bold.
Some reported values fall below the Limit of Quantitation set by the lab.
NR 140 ES/PAL values from WAC website - http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf, s. NR 140.10, Wis. Adm. Code, Table 1, Register Feb 2017 No. 734.
NA=Not analyzed.
NSE = No standard exists in NR 140 for this substance/group.
Total VOCs = Summation of the detected volatile organic compounds on the sample month/year shown.

FOOTNOTES:

(1) There is no NR 140 PAL or ES for 2-propanol. The WDNR has recommended using the health advisory limit of 3,000 ppb based on a 10^{-6} cancer risk per http://dnr.wi.gov/topic/drinkingwater/documents/haltable.pdf.
(2) All three sample vials in May 2019 contained greater than 6mm of headspace.

Gannett Fleming

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 12

ESTIMATED VOLUME OF WATER PUMPED & MASS OF VOCs REMOVED BY RW-12

Sample Date or Month/Year	Meter Reading Date or Month/Year	Meter Reading (gallons)	FN	Total VOC Concentration (µg/ℓ)	Mass of VOCs Removed	
					Incremental (lb)	Cumulative (lb)
08/04/17	08/04/17	0		313,593	0.0	0.0
10/11/17	10/11/17	0	(1)	523,592	0.0	0.0
05/10/18	05/10/18	33,120	(2)	202,840	100.4	100.4
10/23/18	10/23/18	168,637		97,120	169.6	270.0
02/14/19	02/14/19	416,997		83,440	187.1	457.1
03/05/19	03/05/19	465,735		80,960	33.4	490.5
04/04/19	04/04/19	541,825		73,409	49.0	539.5
05/07/19	05/07/19	626,644		17,770	32.3	571.8
06/04/19	06/04/19	698,612		64,555	24.7	596.5
07/10/19	07/10/19	778,527		73,056	45.9	642.4
08/06/19	08/06/19	841,854		69,500	37.7	680.0
09/04/19	09/04/19	911,410		69,426	40.3	720.4
10/02/19	10/31/19	1,006,389		77,248	58.1	778.5

NOTES:
Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).
Total VOC Concentration = Total detected VOCs in sample on date shown (see Table 11).

FOOTNOTE (FN):

(1) RW-12 was installed and sampled in Aug 2017 but did not start pumping until 11/30/17. RW-12 pumped an estimated 2,8874 gallons from 11/30/17 through 12/04/17 but then was turned off due to elevated VOC concentrations. The RW-12 pump was restarted on 5/31/18.
(2) No meter readings for RW-12 were recorded between 12/4/17 and 5/31/18. The meter reading from 5/31/18 was used to calculate the mass of VOCs removed by RW-12 on 5/10/18.

Calculation of Incremental Mass of VOCs Removed:

$[(V_2 - V_1) \times (C_2 + C_1)/2 \times 3.785\ ℓ/1\ gal] \times 1\ lb/453{,}600{,}000\ µg$

Where: V_2 = total volume of water pumped on date of sample (gallons).
V_1 = total volume pumped on date of previous sample used in calculation (gallons).
C_2 = total VOC concentration estimated on date of sample (µg/ℓ).
C_1 = total VOC concentration estimated on previous sample date (µg/ℓ).

With the exception of the first sample date shown on the table, all VOC concentrations used to calculate the incremental mass of VOCs removed during a given time period are the average of the estimated total VOC concentrations on the current and previous sample dates.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 13

SUMMARY OF DETECTED COMPOUNDS IN RW-13 (AUGUST 2017 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year and Concentration (µg/ℓ)					
			08/17	10/17	05/19	06/19	08/19	09/19
Acetone	**9,000**	*1,800*	**39,100**	**21,800**	**45,600**	**33,800**	**67,100**	**33,700**
Benzene	**5**	*0.5*	<100	<200	**67.0**	**70.9**	**67.4**	**58.4**
2-Butanone (MEK)	**4,000**	*800*	**5,560**	*1,800*	**6,900**	**6,010**	**11,800**	**5,610**
Chloroethane	**400**	*80*	<74.9	<150	*299*	*217*	*309*	*217*
Chloroform	**6**	*0.6*	<500	<1,000	<89.6	**27.3**	**22.2**	<112
1,2-Dichlorobenzene	**600**	*60*	<100	<200	<27.4	6.5	5.0	<34.2
1,1-Dichloroethane	**850**	*85*	**966**	**1,000**	*732*	*632*	*435*	*475*
1,2-Dichloroethane	**5**	*0.5*	<33.6	<67.2	<43.6	**106**	**109**	**143**
1,1-Dichloroethene	**7**	*0.7*	**176**	<164	**186**	**163**	**119**	**77.6**
cis-1,2-Dichloroethene	**70**	*7.0*	**5,970**	**7,860**	**5,450**	**4,870**	**2,290**	**2,690**
trans-1,2-Dichloroethene	**100**	*20*	<51.3	<103	<47.4	6.7	<5.9	<59.2
Ethylbenzene	**700**	*140*	**3,880**	**5,120**	**4,830**	**3,240**	**2,510**	**2,510**
4-Methyl-2-pentanone (MIBK)	**500**	*50*	**3,080**	**2,910**	**3,730**	**3,770**	**6,030**	**3,800**
Methylene Chloride	**5**	*0.5*	**514**	**679**	**937**	**910**	**740**	**892**
Methyl-tert-butyl ether	**60**	*12*	<34.8	<69.7	<32.2	5.0	6.0	<40.2
2-Propanol (Isopropyl Alcohol)	**3,000[1]**		**16,100**	**19,400**	NA	NA	NA	NA
Tetrachloroethene	**5**	*0.5*	**104**	<200	**98.4**	**66.6**	**46.6**	<42.5
Toluene	**800**	*160*	**47,500**	**61,900**	**44,800**	**43,600**	**30,400**	**34,500**
1,1,1-Trichloroethane	**200**	*40*	**656**	**925**	**380**	**399**	**140**	**244**
1,1,2-Trichloroethane	**5**	*0.5*	**89.6**	**86.2**	**82.2**	**73.0**	**42.9**	<45.0
Trichloroethene	**5**	*0.5*	<66.1	<132	<30.2	**15.8**	**9.3**	<37.8
1,2,4-Trimethylbenzene	**480**	*96*	*227*	**371**	**531**	*354*	*238*	*211*
1,3,5-Trimethylbenzene			<100	**224**	**161**	*110*	*71.7*	*83.9*
Vinyl chloride	**0.2**	*0.02*	**245**	**352**	**507**	**331**	**235**	**274**
Xylenes (Total)	**2,000**	*400*	**15,420**	**19,110**	**18,400**	**12,200**	**9,330**	**9,580**
Total VOCs			**139,588**	**143,537**	**133,691**	**110,984**	**132,056**	**95,066**

TABLE 13

SUMMARY OF DETECTED COMPOUNDS IN RW-13 (AUGUST 2017 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year and Concentration (µg/ℓ)					
			10/19					
Acetone	**9,000**	*1,800*	**26,600**					
Benzene	**5**	*0.5*	**29.8**					
2-Butanone (MEK)	**4,000**	*800*	**4,860**					
Chloroethane	**400**	*80*	*280*					
Chloroform	**6**	*0.6*	<123					
1,2-Dichlorobenzene	**600**	*60*	<34.2					
1,1-Dichloroethane	**850**	*85*	*322*					
1,2-Dichloroethane	**5**	*0.5*	<54.5					
1,1-Dichloroethene	**7**	*0.7*	**57.0**					
cis-1,2-Dichloroethene	**70**	*7.0*	**1,730**					
trans-1,2-Dichloroethene	**100**	*20*	<59.2					
Ethylbenzene	**700**	*140*	**1,830**					
4-Methyl-2-pentanone (MIBK)	**500**	*50*	**2,320**					
Methylene Chloride	**5**	*0.5*	**717**					
Methyl-tert-butyl ether	**60**	*12*	<40.2					
2-Propanol (Isopropyl Alcohol)	**3,000**[(1)]		NA					
Tetrachloroethene	**5**	*0.5*	<42.5					
Toluene	**800**	*160*	**28,400**					
1,1,1-Trichloroethane	**200**	*40*	*118*					
1,1,2-Trichloroethane	**5**	*0.5*	<45.0					
Trichloroethene	**5**	*0.5*	<37.8					
1,2,4-Trimethylbenzene	**480**	*96*	*149*					
1,3,5-Trimethylbenzene			*39.3*					
Vinyl chloride	**0.2**	*0.02*	**144**					
Xylenes (Total)	**2,000**	*400*	**7,340**					
Total VOCs			**74,936**	**0**	**0**	**0**	**0**	**0**

NOTES:

Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).

Detected concentrations at or above an applicable NR 140 PAL but less than an applicable ES are italicized.

Detected concentrations at or above an applicable NR 140 ES are in bold.

Some reported values fall below the Limit of Quantitation set by the lab.

NR 140 ES/PAL values from WAC website - http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf, s. NR 140.10, Wis. Adm. Code, Table 1, Register Feb 2017 No. 734.

NA=Not analyzed.

NSE = No standard exists in NR 140 for this substance/group.

Total VOCs = Summation of the detected volatile organic compounds on the sample month/year shown.

FOOTNOTE:

(1) There is no NR 140 PAL or ES for 2-propanol. The WDNR has recommended using the health advisory limit of 3,000 ppb based on a 10^{-6} cancer risk per http://dnr.wi.gov/topic/drinkingwater/documents/haltable.pdf.

Gannett Fleming

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 14

ESTIMATED VOLUME OF WATER PUMPED & MASS OF VOCs REMOVED BY RW-13

Sample Date or Month/Year	Meter Reading Date or Month/Year	Meter Reading (gallons)	Total VOC Concentration (µg/ℓ)	Mass of VOCs Removed	
				Incremental (lb)	Cumulative (lb)
08/04/17	08/04/17	0	139,588	0.0	0.0
10/11/17	10/11/17	0	143,537	0.0	0.0
05/07/19	05/07/19	18,702	133,691	21.5	21.6
06/04/19	06/04/19	49,608	110,984	31.5	53.2
08/06/19	08/06/19	177,944	132,056	130.1	183.3
09/04/19	09/04/19	249,160	95,066	67.5	250.8
10/02/19	10/31/19	373,285	74,936	88.0	338.8

NOTES:
Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).
Total VOC Concentration = Total detected VOCs in sample on date shown (see Table 13).
RW-13 was installed and sampled in August 2017 but did not start pumping until 01/18/19.

Calculation of Incremental Mass of VOCs Removed:

$[(V_2 - V_1) \times (C_2 + C_1)/2 \times 3.785\ ℓ/1\ gal] \times 1\ lb/453{,}600{,}000\ µg$

Where: V_2 = total volume of water pumped on date of sample (gallons).
V_1 = total volume pumped on date of previous sample used in calculation (gallons).
C_2 = total VOC concentration estimated on date of sample (µg/ℓ).
C_1 = total VOC concentration estimated on previous sample date (µg/ℓ).

All VOC concentrations used to calculate the incremental mass of VOCs removed during a given time period are the average of the estimated total VOC concentrations on the current and previous sample dates.

Gannett Fleming

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 15

SUMMARY OF DETECTED COMPOUNDS IN WRR PRODUCTION WELL (MAY 2011 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			5/11	5/12	6/13	10/13	3/14	4/14
			NLS	NLS	Pace	Pace	NLS	NLS
Acetone	**9,000**	*1,800*	<8.3	<8.3	*2,420*	*2,020*	1,700	*2,200*
1,1-Dichloroethane	**850**	*85*	24	17	23.2	26.6	18	25
1,2-Dichloroethane	**5**	*0.5*	*2.4*	*1.4*	<9.5	<4.8	<12	<12
1,2-Dichloropropane	**5**	*0.5*	*0.61*	0.42	<10	<5.0	<8.7	<8.7
cis-1,2-Dichloroethylene	**70**	*7*	2.2	<0.41	*30.4*	*34.8*	*7.8*	*9.2*
Ethylbenzene	**700**	*140*	<0.41	<0.43	34.8	52.3	33	37
Isopropyl Alcohol	**3,000**[(1)]		23	<13	2,830	**3,710**	1,500	1,800
Methyl Ethyl Ketone (MEK)	**4,000**	*800*	2.1	<2	*1,220*	*1,400*	*920*	*860*
Methyl Isobutyl Ketone (MIBK)	**500**	*50*	<1.1	<0.63	*112*	*192*	*99*	*77*
Tetrachloroethylene	**5**	*0.5*	**22**	**9.9**	**16.2**	**13**	<11	<11
Toluene	**800**	*160*	<0.34	<0.46	*718*	**1,070**	*580*	*750*
1,1,1-Trichloroethane	**200**	*40*	4.2	3.7	20.5	**87.5**	13	15
1,1,2-Trichloroethane	**5**	*0.5*	*1.1*	*0.57*	<7.8	<3.9	<8.8	<8.8
Trichloroethylene	**5**	*0.5*	*1.9*	*0.67*	<8.6	<3.6	<14	<14
1,2,4-Trimethylbenzene	**480**	*96*	0.58	<0.47	<11.4	<5.0	<14	<14
m-&p-Xylene	**2,000**	*400*	6.5	<0.91	94.5	140	79	90
o-Xylene			4	<0.45	28.9	44.2	24	27
Vinyl Chloride	**0.2**	*0.02*	**0.84**	<0.30	**9.1**	**14.2**	<8.3	<8.3
Total VOCs	NSE	NSE	95.43	33.66	7,557.6	8,804.6	4,973.8	5,890.2

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			5/14	7/14	8/14	9/14	10/14	10/14
			NLS	NLS	NLS	NLS	NLS	Pace
Acetone	**9,000**	*1,800*	*2,300*	*3,000*	1,400	1,500	970	*2,850*
1,1-Dichloroethane	**850**	*85*	25	37	26	25	25	37.5
cis-1,2-Dichloroethylene	**70**	*7*	*8.4*	<7.4	<5.0	<7.4	<5.0	<12.8
Ethylbenzene	**700**	*140*	<7.4	<7.4	22	<7.4	21	<25.0
Isopropyl Alcohol	**3,000**[(1)]		1,800	**4,600**	1,700	1,400	1,600	**4,140**
Methylene Chloride	**5**	*0.5*	<11	<11	<20	<11	<20	**13.6**
Methyl Ethyl Ketone (MEK)	**4,000**	*800*	610	<50	400	390	470	*990*
Methyl Isobutyl Ketone (MIBK)	**500**	*50*	*75*	*130*	*65*	*53*	*69*	<107
Tetrachloroethylene	**5**	*0.5*	<6.9	**7.1**	<11	**8.0**	<11	<25.0
Toluene	**800**	*160*	*760*	*680*	*410*	*420*	*420*	*557*
1,1,1-Trichloroethane	**200**	*40*	14	<9.8	<7.7	<9.8	<7.7	<25.0
m-&p-Xylene	**2,000**	*400*	82	85	58	70	63	54.4
o-Xylene			23	28	20	19	21	<25.0
Total VOCs	NSE	NSE	5,697.4	8,567.1	4,101	3,885	3,659	8,643

TABLE 15

SUMMARY OF DETECTED COMPOUNDS IN WRR PRODUCTION WELL (MAY 2011 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			11/14	12/14	01/15	02/15	03/15	04/15
			NLS	NLS	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	*1,800*	1,300	1,400	*2,000*	1,200	1,000
1,1-Dichloroethane	**850**	*85*	23	28	29	42	24	24
Ethylbenzene	**700**	*140*	<7.4	29	26	34	<8.7	20
Isopropyl Alcohol	**3,000**[(1)]		1,300	2,000	1,700	2,000	1,400	1,200
Methyl Ethyl Ketone (MEK)	**4,000**	*800*	570	680	550	*840*	280	270
Methyl Isobutyl Ketone (MIBK)	**500**	*50*	47	*57*	*54*	*59*	44	37
Tetrachloroethylene	**5**	*0.5*	**7.5**	<11	<6.9	<11	<11	<11
Toluene	**800**	*160*	*460*	*570*	*590*	*600*	*430*	*450*
m-&p-Xylene	**2,000**	*400*	77	74	78	89	62	61
o-Xylene			20	21	20	24	17	17
Total VOCs	NSE	NSE	4,305	4,759	4,447	5,688	3,457	3,079

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			05/15	06/15	07/15	08/15	09/15	10/15
			NLS	NLS	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	800	570	560	640	391	460
1,1-Dichloroethane	**850**	*85*	23	16	11	16	8.75	6.0
Ethylbenzene	**700**	*140*	20	17	11	16	10.3	12
Isopropyl Alcohol	**3,000**[(1)]		480	950	970	670	575	1,000
Methyl Ethyl Ketone (MEK)	**4,000**	*800*	200	290	230	180	153	230
Methyl Isobutyl Ketone (MIBK)	**500**	*50*	19	33	30	18	20.4	16
Tetrachloroethylene	**5**	*0.5*	<11	<11	<4.4	*4.3*	<6.6	<5.5
Toluene	**800**	*160*	*350*	*340*	*220*	*290*	*222*	*250*
m-&p-Xylene	**2,000**	*400*	56	47	31	50	28	32
o-Xylene			15	<13	8.7	12	9.53	9.2
Total VOCs	NSE	NSE	1,963	2,263	2,071.7	1,896.3	1,418.0	2,015.2

TABLE 15

SUMMARY OF DETECTED COMPOUNDS IN WRR PRODUCTION WELL (MAY 2011 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			11/15	12/15	01/16	03/16	04/16	05/16
			NLS	NLS	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	920	710	730	1,100	940	*2,100*
Ethylbenzene	**700**	*140*	15	16	20	22	18	26
Isopropyl Alcohol	**3,000**[(1)]		410	780	1,500	1,500	2,000	**3,700**
Methylene Chloride	**5**	*0.5*	**13**	<6.3	<6.3	<5.9	<12	<9.9
Methyl Ethyl Ketone (MEK)	**4,000**	*800*	180	360	450	660	620	*900*
Methyl Isobutyl Ketone (MIBK)	**500**	*50*	<7.8	11	25	30	<27	45
Tetrachloroethylene	**5**	*0.5*	**6.1**	<5.3	<5.3	**5.8**	<11	<8.3
Toluene	**800**	*160*	*300*	*340*	*410*	*590*	*380*	*740*
m-&p-Xylene	**2,000**	*400*	44	42	53	70	50	77
o-Xylene			11	10	14.0	17	12	18
Total VOCs	NSE	NSE	1,899.1	2,269	3,202	3,995	4,020	7,606

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			06/16	07/16	08/16	09/16	10/16	11/16
			NLS	NLS	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	*2,600*	430	430	310	400	160
Ethylbenzene	**700**	*140*	26	<7.5	15	11	<6.0	7
Isopropyl Alcohol	**3,000**[(1)]		860	770	830	500	400	150
Methyl Ethyl Ketone (MEK)	**4,000**	*800*	320	160	190	74	77	36
Methyl Isobutyl Ketone (MIBK)	**500**	*50*	<27	18	24	19	14	12
Tetrachloroethylene	**5**	*0.5*	<11	<4.1	<5.5	<5.5	<3.3	*2.4*
Toluene	**800**	*160*	*480*	*250*	*240*	*190*	*180*	130
m-&p-Xylene	**2,000**	*400*	69	34	39	28	26	19
o-Xylene			19	8.8	11.0	8.7	7.4	5.1
Total VOCs	NSE	NSE	4,374	1,670.8	1,779.0	1,140.7	1,104.4	521.5

TABLE 15

SUMMARY OF DETECTED COMPOUNDS IN WRR PRODUCTION WELL (MAY 2011 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			12/16	01/17	02/17	03/17	04/17	05/17
			NLS	NLS	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	390	200	250	140	49	310
Chloroethane	**400**	*80*	<19	<9.3	<15	<9.3	<3.7	7.3
1,1-Dichloroethane	**850**	*85*	<2.3	<1.9	<1.8	<1.9	<0.75	1.4
1,2-Dichloroethane	**5**	*0.5*	<2.4	<2.2	<1.9	<2.2	<0.88	*1.4*
Ethylbenzene	**700**	*140*	9.5	7.2	<3.0	3.7	2.9	10
Isopropyl Alcohol	**3,000[1]**		560	160	120	180	100	290
Methylene Chloride	**5**	*0.5*	<2.5	<2.4	<2.0	<2.4	*1.1*	*1.1*
Methyl Ethyl Ketone (MEK)	**4,000**	*800*	96	54	26	15	11	79
Methyl Isobutyl Ketone (MIBK)	**500**	*50*	26	18	11	6.0	5.3	28
Tetrachloroethylene	**5**	*0.5*	<2.1	<2.2	<1.7	<2.2	*1.2*	*0.92*
Toluene	**800**	*160*	*190*	110	120	66	41	120
m-&p-Xylene	**2,000**	*400*	26	21	17	9.7	7.4	26
o-Xylene			7.8	5.9	5.1	2.8	2.2	7.4
Total VOCs	NSE	NSE	1,305.3	576.1	549.1	423.2	221.1	882.5

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			06/17	07/17	08/17	09/17	10/17	11/17
			NLS	NLS	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	140	68	23	19	<10	6.6
Chloroethane	**400**	*80*	<3.7	<3.7	<3.7	<0.38	<2.3	1.2
1,1-Dichloroethane	**850**	*85*	<0.75	<0.75	<0.75	0.50	<0.47	0.45
1,2-Dichloroethane	**5**	*0.5*	<0.88	<0.88	<0.88	<0.49	<0.55	0.23
Ethylbenzene	**700**	*140*	3.7	3.5	2.4	2.3	1.7	1.3
Isopropyl Alcohol	**3,000[1]**		56	35	<18	<12	<11	5.2
Methyl Ethyl Ketone (MEK)	**4,000**	*800*	17	19	12	<1.3	2.9	<0.57
Methyl Isobutyl Ketone (MIBK)	**500**	*50*	4.4	5.3	4.1	3.5	1.4	<0.54
Tetrachloroethylene	**5**	*0.5*	<0.88	<0.88	<0.88	<0.41	<0.55	0.33
Toluene	**800**	*160*	47	46	26	33	17	13
m-&p-Xylene	**2,000**	*400*	9.7	8.9	5.7	4.8	4.0	2.8
o-Xylene			2.9	2.6	1.7	1.5	1.2	0.90
Total VOCs	NSE	NSE	280.7	188.3	74.9	64.6	28.2	32.0

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			12/17	01/18	02/18	03/18	04/18	05/18
			NLS	NLS	NLS	NLS	NLS	NLS
Acetone	**9,000**	*1,800*	<4.2	11	<4.2	5.2	7.9	<4.2
Chloroethane	**400**	*80*	<0.93	0.97	<0.93	<0.93	<0.93	<1.5
Dichlorodifluoromethane	**1,000**	*200*	<0.17	0.21	<0.17	<0.17	<0.17	<0.14
1,1-Dichloroethane	**850**	*85*	0.38	0.45	0.36	0.32	0.41	0.37
1,2-Dichloroethane	**5**	*0.5*	0.24	0.25	<0.22	<0.22	<0.22	<0.19
Ethylbenzene	**700**	*140*	0.84	0.81	0.50	0.53	0.43	0.57
Isopropyl Alcohol	**3,000[1]**		11	9.0	11	20	<4.4	<5.0
Methyl Ethyl Ketone (MEK)	**4,000**	*800*	0.70	0.58	<0.57	0.60	<0.57	<0.50
Methyl Isobutyl Ketone (MIBK)	**500**	*50*	<0.54	<0.54	<0.54	<0.54	<0.54	<0.40
Tetrachloroethylene	**5**	*0.5*	0.26	0.30	0.29	0.25	0.28	0.35
Toluene	**800**	*160*	7.5	7.2	4.0	3.5	3.1	4.8
m-&p-Xylene	**2,000**	*400*	2.0	1.7	0.93	0.81	0.55	0.82
o-Xylene			0.60	0.53	0.32	0.26	0.24	0.34
Total VOCs	NSE	NSE	23.5	33.0	17.4	31.5	12.9	7.3

TABLE 15

SUMMARY OF DETECTED COMPOUNDS IN WRR PRODUCTION WELL (MAY 2011 THROUGH OCTOBER 2019)

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			06/18	07/18	08/18	09/18	10/18	11/18
			NLS	Pace	Pace	Pace	Pace	Pace
Acetone	**9,000**	*1,800*	18	11.2	<9.2	<9.2	<9.2	<9.2
Chloroethane	**400**	*80*	<0.93	1.2	1.3	1.0	0.57	0.94
1,1-Dichloroethane	**850**	*85*	0.38	0.58	0.57	0.31	0.46	0.45
Ethylbenzene	**700**	*140*	0.37	1.1	1.0	0.56	0.59	0.58
Methyl tert-butyl ether (MTBE)	**60**	*12*	0.39	<0.16	<0.16	<0.16	<0.16	<0.16
Tetrachloroethylene	**5**	*0.5*	<0.22	0.32	0.41	0.40	*0.80*	*0.55*
Toluene	**800**	*160*	2.8	8.9	9.0	5.1	5.2	5.2
Trichloroethene	**5**	*0.5*	<0.32	<0.15	0.20	<0.15	0.25	0.28
m-&p-Xylene	**2,000**	*400*	0.42	<0.31	<0.31	<0.31	<0.31	<0.31
o-Xylene			<0.19					
Total VOCs	NSE	NSE	22.4	23.3	12.5	7.4	7.9	8.0

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			12/18	01/19	02/19	03/19	04/19	05/19
			Pace	Pace	Pace	Pace	Pace	Pace
Acetone	**9,000**	*1,800*	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2
Chloroethane	**400**	*80*	1.2	<0.49	<0.49	0.96	0.98	0.93
1,1-Dichloroethane	**850**	*85*	0.45	<0.17	0.31	0.28	<0.17	0.58
Ethylbenzene	**700**	*140*	0.55	0.26	0.45	0.31	0.38	0.95
Methylene Chloride	**5**	*0.5*	<0.98	<0.98	<0.98	*2.5*	<0.98	<0.98
Methyl Ethyl Ketone (MEK)	**4,000**	*800*	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99
Methyl tert-butyl ether (MTBE)	**60**	*12*	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Tetrachloroethylene	**5**	*0.5*	0.42	0.48	0.28	0.20	0.28	<0.17
Toluene	**800**	*160*	4.7	2.0	3.6	2.4	3.1	3.2
Trichloroethene	**5**	*0.5*	0.33	0.17	0.24	0.19	0.22	0.34
Xylenes (Total)	**2,000**	*400*	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
Total VOCs	NSE	NSE	7.7	2.9	4.9	6.8	5.0	6.0

Compound	NR 140 ES	NR 140 PAL	Sample Month/Year, Lab, and Concentration (µg/ℓ)					
			06/19	07/19	08/19	09/19	10/19	
			Pace	Pace	Pace	Pace	Pace	
Acetone	**9,000**	*1,800*	42.5	<9.2	<9.2	<9.2	17.4	
Chloroethane	**400**	*80*	<0.49	<0.49	0.49	<0.49	<0.49	
Chloromethane	**30**	*3*	<0.16	1.8	1.3	2.7	0.66	
1,1-Dichloroethane	**850**	*85*	<0.17	<0.17	0.25	<0.17	<0.17	
Ethylbenzene	**700**	*140*	0.20	0.18	0.33	0.34	<0.14	
Methyl Ethyl Ketone (MEK)	**4,000**	*800*	23.3	<0.99	<0.99	<0.99	<0.99	
Methyl tert-butyl ether (MTBE)	**60**	*12*	<0.16	<0.16	<0.16	<0.16	<0.16	
Tetrachloroethylene	**5**	*0.5*	<0.17	<0.17	<0.17	<0.17	<0.17	
Toluene	**800**	*160*	1.2	1.3	2.2	2.8	1.1	
Trichloroethene	**5**	*0.5*	<0.15	<0.15	0.27	<0.15	<0.15	
Xylenes (Total)	**2,000**	*400*	<0.31	<0.31	<0.31	<0.31	<0.31	
Total VOCs	NSE	NSE	67.2	3.3	4.8	5.8	19.2	

TABLE 15

SUMMARY OF DETECTED COMPOUNDS IN WRR PRODUCTION WELL (MAY 2011 THROUGH OCTOBER 2019)

NOTES:

Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).

Detected concentrations at or above an applicable NR 140 PAL but less than an applicable ES are italicized.

Detected concentrations at or above an applicable NR 140 ES are in bold.

Samples were analyzed for a full suite of VOCs using Method 8260. Only compounds detected in one or more samples are listed on this table.

NR 140 ES and PAL values listed on table downloaded on 12/27/18 from WAC website - http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf, s. NR 140.10, Wis. Adm. Code, Table 1, Register February 2017 No. 734.

Some reported values fall below the Limit of Quantitation set by the lab.

Each subsection of this table includes only those compounds detected in one or more samples collected during the range of dates shown.

NSE = No standard exists in NR 140 for this substance/group.

Total VOCs = Summation of the detected volatile organic compounds on the sample month/year shown.

FOOTNOTE:

(1) There is no NR 140 PAL or ES for 2-propanol (aka isopropyl alcohol). The WDNR has recommended using the health advisory limit of 3,000 ppb based on a 10^{-6} cancer risk taken from the following website: http://dnr.wi.gov/topic/drinkingwater/documents/haltable.pdf.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 16

ESTIMATED VOLUME OF WATER AND MASS OF VOCs REMOVED BY PRODUCTION WELL

Sample Date or Month/Year	Meter Reading Date or Month/Year	Meter Reading (gallons)	Total VOC Concentration (µg/ℓ)	Mass of VOCs Removed	
				Incremental (lb)	Cumulative (lb)
05/11	05/11	0	106.51	0	0
05/12[1]	05/12	1,267,100	33.66	0.74	0.74
06/13	06/13	9,362,600	7,557.6	256.4	257.1
10/13[2]	10/13	11,942,300	8,804.6	176.1	433.2
03/14[3]	03/14	14,903,600	4,973.8	170.2	603.5
05/06/14	05/06/14	15,589,000	5,697.4	30.5	634.0
07/09/14	07/09/14	17,022,900	8,567.1	85.3	719.3
08/05/14	08/05/14	17,621,500	4,101.0	31.6	751.0
09/09/14	09/09/14	18,338,000	3,885.0	23.9	774.8
10/08/14	10/08/14	19,297,800	6,151.0	40.2	815.0
11/12/14	11/12/14	19,583,300	4,304.5	12.5	827.5
12/04/14	12/04/14	19,984,800	4,759.0	15.2	842.7
01/07/15	01/07/15	20,547,100	4,447.0	21.6	864.3
02/04/15	02/04/15	21,137,800	5,688.0	25.0	889.2
03/11/15	03/11/15	21,885,200	3,457.0	28.5	917.8
04/09/15	04/09/15	22,616,500	3,079.0	19.9	937.7
05/05/15	05/05/15	23,298,100	1,963.0	14.3	952.0
06/03/15	06/03/15	23,998,700	2,263.0	12.4	964.4
07/08/15	07/08/15	24,860,400	2,071.7	15.6	980.0
08/04/15	08/04/15	25,524,500	1,896.3	11.0	991.0
09/09/15	09/09/15	26,481,100	1,418.0	13.2	1,004.2
10/14/15	10/14/15	27,347,200	2,015.2	12.4	1,016.6
11/04/15	11/04/15	27,816,000	1,899.1	7.7	1,024.3
12/03/15	12/03/15	28,411,400	2,269.0	10.4	1,034.6
01/05/16	01/05/16	29,105,000	3,202.0	15.8	1,050.4
03/02/16	03/02/16	30,381,000	3,994.8	38.3	1,088.8
04/05/16	04/05/16	31,210,300	4,020.0	27.7	1,116.5
05/04/16	05/04/16	31,922,200	7,606.0	34.5	1,151.0
06/07/16	06/07/16	32,747,200	4,374.0	41.2	1,192.3
07/12/16	07/12/16	33,664,900	1,670.8	23.1	1,215.4
08/10/16	08/10/16	34,459,600	1,779.0	11.4	1,226.8
09/06/16	09/06/16	35,015,300	1,140.7	6.8	1,233.6
10/05/16	10/05/16	35,628,500	1,104.4	5.7	1,239.4

TABLE 16

ESTIMATED VOLUME OF WATER AND MASS OF VOCs REMOVED BY PRODUCTION WELL

Sample Date or Month/Year	Meter Reading Date or Month/Year	Meter Reading (gallons)	Total VOC Concentration (µg/ℓ)	Mass of VOCs Removed	
				Incremental (lb)	Cumulative (lb)
11/03/16	11/03/16	36,199,600	522.0	3.9	1,243.2
12/06/16	12/06/16	36,724,200	1,305.3	4.0	1,247.2
01/09/17	01/09/17	37,261,600	576.1	4.2	1,251.5
02/07/17	02/07/17	37,806,500	549.1	2.6	1,254.0
03/08/17	03/08/17	38,386,000	423.2	2.4	1,256.4
04/05/17	04/05/17	38,965,000	221.1	1.6	1,257.9
05/02/17	05/02/17	39,416,800	883.5	2.1	1,260.0
06/06/17	06/06/17	40,105,500	280.7	3.3	1,263.3
07/11/17	07/11/17	40,822,100	188.3	1.4	1,264.7
08/08/17	08/08/17	41,445,000	74.9	0.68	1,265.4
09/07/17[4]	09/07/17	42,003,900	64.6	0.33	1,265.8
10/04/17	10/04/17	42,568,500	28.2	0.22	1,266.0
11/07/17	11/07/17	43,199,100	32.0	0.16	1,266.1
12/06/17	12/06/17	43,774,600	23.5	0.13	1,266.3
01/09/18	01/09/18	44,296,100	33.0	0.12	1,266.4
02/07/18	02/07/18	44,905,600	17.4	0.13	1,266.5
03/07/18	03/07/18	45,473,100	31.5	0.12	1,266.6
04/05/18	04/05/18	46,083,200	12.9	0.11	1,266.7
05/03/18	05/03/18	46,705,900	7.3	0.05	1,266.8
06/05/18	06/05/18	47,269,000	22.4	0.07	1,266.9
07/10/18	07/10/18	48,103,000	23.3	0.16	1,267.0
08/02/18	08/02/18	48,625,200	12.5	0.08	1,267.1
09/11/18	09/11/18	49,465,800	7.4	0.07	1,267.2
10/03/18	10/03/18	49,945,200	7.9	0.031	1,267.2
11/06/18	11/06/18	50,662,900	8.0	0.048	1,267.3
12/04/18	12/04/18	51,148,500	7.7	0.032	1,267.3
01/09/19	01/09/19	51,702,600	2.9	0.025	1,267.3
02/14/19	02/14/19	52,388,900	4.9	0.022	1,267.3
03/05/19	03/05/19	52,574,500	6.8	0.009	1,267.3
04/04/19	04/04/19	53,108,500	5.0	0.026	1,267.4
05/07/19	05/07/19	53,746,700	6.0	0.029	1,267.4
06/04/19	06/04/19	54,291,300	67.2	0.166	1,267.6
07/10/19	07/10/19	54,924,300	3.3	0.186	1,267.7
08/06/19	08/06/19	55,487,000	4.8	0.019	1,267.8
09/04/19	09/04/19	56,063,200	5.8	0.025	1,267.8
10/02/19	10/31/19	57,116,600	19.2	0.110	1,267.9

TABLE 15

ESTIMATED MASS OF VOCs REMOVED BY PRODUCTION WELL

NOTE:
Concentrations are in micrograms per liter (µg/ ℓ)/parts per billion (ppb).
Total VOC Concentration = Total detected VOCs in sample on date shown (see Table 15).

FOOTNOTES:
(1) The flow rate was increased and began being metered in March 2012.
(2) Meter reading estimated for 10/29/13 based on average flow rate measured in September 2013.
(3) Total VOC concentrations based on sample collected on 3/27/14. The meter reading was recorded on 4/1/14. The meter read 42,490,900 gallons from 9/29/17 to 10/1/17, although the pump was running.

Calculation of Incremental Mass of VOCs Removed:

$[(V_2 - V_1) \times (C_2 + C_1)/2 \times 3.785\ ℓ/1\ gal] \times 1\ lb/453{,}600{,}000\ µg$

Where: V_2 = total volume of water pumped on date of sample (gallons).
V_1 = total volume pumped on date of previous sample used in calculation (gallons).
C_2 = total VOC concentration estimated on date of sample (µg/ℓ).
C_1 = total VOC concentration estimated on previous sample date (µg/ℓ).

With the exception of the first sample date shown on the table, all VOC concentrations used to calculate the incremental mass of VOCs removed during a given time period are the average of the estimated total VOC concentrations on the current and previous sample dates.

Gannett Fleming

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 17

SUMMARY OF VOCs DETECTED IN EXHAUST/SOIL GAS SAMPLES COLLECTED DURING/AFTER SVE PILOT TESTS ($\mu g/m^3$)
FEBRUARY 2015 - OCTOBER 2019

Detected Compounds[1]	CAS #	Federal/ State HAP[2]	Sample Type, Well(s) Sampled, and Date					
			Pilot Test Samples		SVE Exhaust Gas Samples			
			RW-10	RW-11	RW-11	RW-10 & RW-11		
			02/10/15	02/10/15	08/03/16	09/15/16	10/17/16	12/20/16
Acetone	67-64-1	No	<63,000	<6,000	<47,000	<130,000	110,000	12,000
Chlorobenzene	108-90-7	Both	<6,300	<600	<4,700	<13,000	<4,500	<1,100
Cyclohexane	110-82-7	No	24,000	2,100	23,000	53,000	<9,100	4,800
Dichlorodifluoromethane (CFC 12)	75-71-8	No	<6,300	5,000	<4,700	<13,000	<4,500	<1,100
1,1-Dichloroethane	75-34-3	Both	<6,300	3,800	21,000	<13,000	<4,500	5,700
cis-1,2-Dichloroethene	156-59-2	No	28,000	40,000	120,000	120,000	18,000	17,000
Ethyl acetate	141-78-6	No	140,000	6,100	<9,300	86,000	58,000	3,200
Ethylbenzene	100-41-4	Both	15,000	2,900	14,000	140,000	43,000	9,500
n-Heptane	142-82-5	No	8,200	840	11,000	32,000	6,100	2,300
n-Hexane	110-54-3	Both	<6,300	<600	6,600	<13,000	<4,500	<1,100
Methyl ethyl ketone (2-Butanone)	78-93-3	No	66,000	<6,000	<47,000	<130,000	250,000	14,000
Methylene chloride	75-09-2	Both	13,000	<600	<4,700	55,000	5,000	1,300
n-Nonane	111-84-2	No	<6,300	<600	<4,700	<13,000	<4,500	1,800
n-Octane	111-65-9	No	<6,300	<600	8,500	19,000	5,200	2,600
Tetrachloroethene (PCE)	127-18-4	Both	16,000	2,600	15,000	71,000	24,000	13,000
Tetrahydrofuran	109-99-9	No	<6,300	3,100	<4,700	<13,000	8,400	<1,100
Toluene	108-88-3	Both	910,000	120,000	550,000	2,500,000	860,000	140,000
1,1,1-Trichloroethane	71-55-6	Federal	42,000	13,000	170,000	110,000	32,000	33,000
Trichloroethene	79-01-6	Both	18,000	3,000	32,000	160,000	36,000	14,000
Trichlorotrifluoroethane (CFC 113)	76-13-1	No	20,000	51,000	240,000	59,000	14,000	40,000
Vinyl chloride	75-01-4	Both	<6,300	9,900	9,600	<13,000	<4,500	<1,100
m&p-Xylene	179601-23-1	Both	46,000	9,100	66,000	510,000	160,000	68,000
o-Xylene	95-47-6	Both	6,300	1,400	19,000	90,000	31,000	19,000
Total HAPs (= sum of detected HAPs)			**1,066,300**	**165,700**	**903,200**	**3,636,000**	**1,191,000**	**303,500**
Total VOCs (= sum of detected VOCs)			**1,352,500**	**273,840**	**1,305,700**	**4,005,000**	**1,660,700**	**401,200**

TABLE 17

SUMMARY OF VOCs DETECTED IN EXHAUST/SOIL GAS SAMPLES COLLECTED DURING/AFTER SVE PILOT TESTS (µg/m^3)
FEBRUARY 2015 - OCTOBER 2019

Detected Compounds[1]	CAS #	Federal/ State HAP[2]	SVE Exhaust Gas Samples RW-10 & RW-11					
			03/13/17	05/16/17	06/30/17	11/15/17	2/19/18 [3]	06/05/18
Acetone	67-64-1	No	52,000	36,000	36,000	6,300	12,000	15,000
Chlorobenzene	108-90-7	Both	3,700	4,400	4,000	2,100	340	2,000
Cyclohexane	110-82-7	No	<3,700	<2,900	<3,200	<1,200	<560	<1,600
Dichlorodifluoromethane (CFC 12)	75-71-8	No	<1,900	<1,500	<1,600	<580	<280	<730
1,1-Dichloroethane	75-34-3	Both	<1,900	<1,500	<1,600	630	<280	890
cis-1,2-Dichloroethene	156-59-2	No	9,600	7,100	7,700	4,800	1,400	6,100
Ethyl acetate	141-78-6	No	45,000	19,000	<3,200	<1,200	4,000	3,900
Ethylbenzene	100-41-4	Both	25,000	21,000	14,000	6,800	2,500	11,000
n-Heptane	142-82-5	No	3,100	2,800	2,300	960	560	1,400
n-Hexane	110-54-3	Both	<1,900	<1,500	<1,600	<580	<280	<750
d-Limonene	5989-27-5	No	<1,900	<1,500	5,700	<580	<280	<710
Methyl ethyl ketone (2-Butanone)	78-93-3	No	60,000	40,000	22,000	<5,800	6,700	12,000
Methylene chloride	75-09-2	Both	3,100	2,700	2,100	1,800	380	820
n-Nonane	111-84-2	No	<1,900	<1,500	<1,600	<580	<280	780
n-Octane	111-65-9	No	3,000	2,600	2,300	1,300	<280	1,500
Tetrachloroethene (PCE)	127-18-4	Both	23,000	30,000	30,000	20,000	5,500	21,000
Tetrahydrofuran	109-99-9	No	2,900	2,000	1,900	<580	540	790
Toluene	108-88-3	Both	290,000	250,000	210,000	120,000	43,000	110,000
1,1,1-Trichloroethane	71-55-6	Federal	22,000	22,000	20,000	14,000	5,600	15,000
Trichloroethene	79-01-6	Both	33,000	41,000	42,000	15,000	5,500	18,000
Trichlorotrifluoroethane (CFC 113)	76-13-1	No	10,000	7,600	5,600	4,300	1,800	6,500
1,2,4-Trimethylbenzene	95-63-6	No	<1,900	<1,500	<1,600	<580	<280	750
Vinyl chloride	75-01-4	Both	<1,900	<1,500	<1,600	<580	<280	<730
m&p-Xylene	179601-23-1	Both	89,000	73,000	51,000	35,000	9,300	44,000
o-Xylene	95-47-6	Both	26,000	25,000	19,000	14,000	2,900	19,000
Total HAPs (= sum of detected HAPs)			**514,800**	**469,100**	**392,100**	**229,330**	**75,020**	**241,710**
Total VOCs (= sum of detected VOCs)			**700,400**	**586,200**	**475,600**	**246,990**	**102,020**	**290,430**

TABLE 17

SUMMARY OF VOCs DETECTED IN EXHAUST/SOIL GAS SAMPLES COLLECTED DURING/AFTER SVE PILOT TESTS ($\mu g/m^3$)
FEBRUARY 2015 - OCTOBER 2019

Detected Compounds[1]	CAS #	Federal/ State HAP[2]	RW-10 & RW-11	SVE Exhaust Gas Samples RW-10, RW-11, & SVE-4				
			09/06/18	10/02/18	10/03/18	10/04/18	10/12/18	10/24/18
Acetone	67-64-1	No	<13,000	<160,00	<97,000	<130,000	<50,000	<38,000
Chlorobenzene	108-90-7	Both	2,000	<16,000	<9,500	<12,000	<4,900	<3,700
Cyclohexane	110-82-7	No	2,800	<30,000	<18,000	<23,000	<9,300	<7,100
Dichlorodifluoromethane (CFC 12)	75-71-8	No	<1,200	<15,000	<9,400	<12,000	<4,800	<3,700
1,1-Dichloroethane	75-34-3	Both	4,100	<15,000	<9,400	<12,000	<4,800	<3,800
1,1-Dichloroethene	75-35-4	Both	<1,300	22,000	12,000	<13,000	6,500	<3,800
cis-1,2-Dichloroethene	156-59-2	No	17,000	94,000	49,000	51,000	38,000	17,000
Ethyl acetate	141-78-6	No	<2,600	<33,000	<20,000	<26,000	<10,000	<7,800
Ethylbenzene	100-41-4	Both	10,000	<15,000	<9,400	<12,000	<4,800	<3,700
n-Heptane	142-82-5	No	2,700	<16,000	<9,700	<13,000	<5,000	<3,800
n-Hexane	110-54-3	Both	<1,300	<16,000	<9,700	<13,000	<5,000	<3,800
d-Limonene	5989-27-5	No	<1,200	<15,000	<9,200	<12,000	<4,700	<3,600
Methyl ethyl ketone (2-Butanone)	78-93-3	No	13,000	<30,000	<18,000	<23,000	<9,300	<7,100
Methylene chloride	75-09-2	Both	<1,300	<16,000	10,000	14,000	13,000	5,700
4-Methyl-2-pentanone (MIBK)	108-10-1	Both	2,700	<16,000	<9,500	<12,000	<4,900	<3,700
n-Nonane	111-84-2	No	2,600	<16,000	<9,700	<13,000	<5,000	<3,800
n-Octane	111-65-9	No	3,700	<16,000	<9,700	<13,000	<5,000	<3,800
Tetrachloroethene	127-18-4	Both	40,000	3,200,000	1,700,000	1,800,000	1,200,000	590,000
Tetrahydrofuran	109-99-9	No	<1,300	<16,000	<9,500	<12,000	<4,900	<3,700
Toluene	108-88-3	Both	170,000	99,000	55,000	67,000	64,000	29,000
1,1,1-Trichloroethane	71-55-6	Federal	33,000	1,100,000	620,000	630,000	380,000	160,000
1,1,2-Trichloroethane	79-00-5	Both	<1,300	<16,000	<9,700	<13,000	12,000	5,200
Trichloroethene	79-01-6	Both	28,000	1,600,000	850,000	940,000	630,000	250,000
Trichlorotrifluoroethane (CFC 113)	76-13-1	No	19,000	33,000	21,000	22,000	14,000	6,600
1,2,4-Trimethylbenzene	95-63-6	No	<1,300	<16,000	<9,500	<12,000	<4,900	<3,700
Vinyl chloride	75-01-4	Both	1,600	<16,000	<9,500	<12,000	<4,900	<3,900
m&p-Xylene	179601-23-1	Both	85,000	46,000	24,000	29,000	30,000	14,000
o-Xylene	95-47-6	Both	36,000	19,000	10,000	<12,000	15,000	6,600
Total HAPs (= sum of detected HAPs)			**412,400**	**6,086,000**	**3,281,000**	**3,480,000**	**2,350,500**	**1,060,500**
Total VOCs (= sum of detected VOCs)			**473,200**	**6,213,000**	**3,351,000**	**3,553,000**	**2,402,500**	**1,084,100**

TABLE 17

SUMMARY OF VOCs DETECTED IN EXHAUST/SOIL GAS SAMPLES COLLECTED DURING/AFTER SVE PILOT TESTS (µg/m^3)
FEBRUARY 2015 - OCTOBER 2019

Detected Compounds[1]	CAS #	Federal/ State HAP[2]	SVE Exhaust Gas Samples RW-10, RW-11, & SVE-4					
			10/31/18	3/27/19[4]	04/04/19	05/07/19	06/11/19	07/01/19
Acetone	67-64-1	No	<40,000	<710	<2,500	<14,000	<16,000	<15,000
Chlorobenzene	108-90-7	Both	<3,900	730	3,100	<1,400	<1,600	<1,500
Cyclohexane	110-82-7	No	<7,400	200	780	6,800	<3,000	<2,800
Dichlorodifluoromethane (CFC 12)	75-71-8	No	<3,800	<68	<240	<1,400	<1,500	<1,500
1,1-Dichloroethane	75-34-3	Both	<4,000	83	2,100	1,700	2,000	3,000
1,1-Dichloroethene	75-35-4	Both	<4,000	<71	3,500	3,700	3,000	4,000
cis-1,2-Dichloroethene	156-59-2	No	21,000	560	21,000	14,000	15,000	20,000
1,2-Dichloropropane	78-87-5	Both	<4,000	<71	520	<1,400	<1,600	<1,500
Ethyl acetate	141-78-6	No	<8,100	1,900	<500	<2,900	<3,300	<3,100
Ethylbenzene	100-41-4	Both	<3,800	660	3,600	<1,400	<1,500	<1,500
n-Heptane	142-82-5	No	<4,000	270	700	3,300	<1,600	<1,500
n-Hexane	110-54-3	Both	<4,000	<71	<250	5,900	<1,600	<1,500
d-Limonene	5989-27-5	No	<3,800	<67	<230	<1,400	<1,500	<1,400
Methyl ethyl ketone (2-Butanone)	78-93-3	No	<7,400	<130	560	<2,700	<3,000	<2,800
Methyl tert butyl ether	1634-04-4	Both	<4,000	<71	<250	<1,400	<1,600	13,000
Methylene chloride	75-09-2	Both	7,000	1,600	160,000	43,000	12,000	6,000
4-Methyl-2-pentanone (MIBK)	108-10-1	Both	<3,900	<69	<240	<1,400	<1,600	<1,500
n-Nonane	111-84-2	No	<4,000	<71	370	<1,400	<1,600	<1,500
n-Octane	111-65-9	No	<4,000	120	600	<1,400	<1,600	<1,500
Tetrachloroethene (PCE)	127-18-4	Both	730,000	3,000	270,000	280,000	370,000	340,000
Tetrahydrofuran (THF)	109-99-9	No	<3,900	<69	<240	<1,400	<1,600	<1,500
Toluene	108-88-3	Both	40,000	9,700	38,000	13,000	8,600	13,000
1,1,1-Trichloroethane	71-55-6	Federal	210,000	2,100	140,000	160,000	180,000	250,000
1,1,2-Trichloroethane	79-00-5	Both	6,700	<71	5,200	4,000	4,900	4,700
Trichloroethene (TCE)	79-01-6	Both	330,000	2,000	200,000	220,000	250,000	270,000
Trichlorotrifluoroethane (CFC 113)	76-13-1	No	8,200	590	9,100	6,700	6,800	10,000
1,2,4-Trimethylbenzene	95-63-6	No	<3,900	<69	<240	<1,400	<1,600	<1,500
Vinyl chloride	75-01-4	Both	<3,900	<69	<240	<1,400	<1,600	<1,500
m&p-Xylene	179601-23-1	Both	19,000	3,800	20,000	3,800	3,600	5,600
o-Xylene	95-47-6	Both	8,600	1,000	12,000	4,400	6,000	6,600
Total HAPs (= sum of detected HAPs)			**1,351,300**	**24,673**	**858,020**	**739,500**	**840,100**	**915,900**
Total VOCs (= sum of detected VOCs)			**1,380,500**	**28,313**	**891,130**	**770,300**	**861,900**	**945,900**

TABLE 17

SUMMARY OF VOCs DETECTED IN EXHAUST/SOIL GAS SAMPLES COLLECTED DURING/AFTER SVE PILOT TESTS (µg/m^3)
FEBRUARY 2015 - OCTOBER 2019

Detected Compounds[(1)]	CAS #	Federal/ State HAP[(2)]	SVE Exhaust Gas Samples RW-10, RW-11, & SVE-4 08/15/19	09/30/19	10/17/19	11/04/19		
Acetone	67-64-1	No	<20,000	<15,000	<7,200	<5,800		
Chlorobenzene	108-90-7	Both	<2,000	<1,500	1,000	1,200		
Cyclohexane	110-82-7	No	<3,700	<2,800	<1,500	<1,200		
Dichlorodifluoromethane (CFC 12)	75-71-8	No	<1,900	<1,500	<720	<580		
1,1-Dichloroethane	75-34-3	Both	2,600	1,600	1,400	940		
1,1-Dichloroethene	75-35-4	Both	2,900	<1,500	880	810		
cis-1,2-Dichloroethene	156-59-2	No	16,000	10,000	7,800	5,100		
trans-1,2-Dichloroethene	156-60-5	No	<2,000	<1,500	<730	2,500		
1,2-Dichloropropane	78-87-5	Both	<2,000	<1,500	<730	<590		
Ethyl acetate	141-78-6	No	<4,100	<3,100	<1,500	2,900		
Ethylbenzene	100-41-4	Both	<1,900	<1,500	<730	<590		
n-Heptane	142-82-5	No	<2,000	<1,500	<730	<590		
n-Hexane	110-54-3	Both	<2,000	<1,500	<730	<590		
d-Limonene	5989-27-5	No	<1,900	<1,400	<730	<590		
Methyl ethyl ketone (2-Butanone)	78-93-3	No	<3,700	<2,800	<1,500	<1,200		
Methyl tert butyl ether	1634-04-4	Both	2,700	<1,500	<730	<590		
Methylene chloride	75-09-2	Both	2,700	<1,500	6,800	94,000		
4-Methyl-2-pentanone (MIBK)	108-10-1	Both	<2,000	<1,500	<720	<580		
n-Nonane	111-84-2	No	<2,000	<1,500	<730	<590		
n-Octane	111-65-9	No	<2,000	<1,500	<730	<590		
Tetrachloroethene (PCE)	127-18-4	Both	380,000	220,000	130,000	110,000		
Tetrahydrofuran (THF)	109-99-9	No	<2,000	<1,500	<740	<600		
Toluene	108-88-3	Both	15,000	8,100	5,100	3,600		
1,1,1-Trichloroethane	71-55-6	Federal	190,000	120,000	84,000	48,000		
1,1,2-Trichloroethane	79-00-5	Both	4,600	2,400	1,900	1,200		
Trichloroethene (TCE)	79-01-6	Both	240,000	150,000	110,000	91,000		
Trichlorotrifluoroethane (CFC 113)	76-13-1	No	7,900	5,100	4,300	2,500		
1,2,4-Trimethylbenzene	95-63-6	No	<2,000	<1,500	<730	<590		
Vinyl chloride	75-01-4	Both	<2,000	<1,500	<730	<590		
m&p-Xylene	179601-23-1	Both	9,100	5,000	3,800	1,300		
o-Xylene	95-47-6	Both	9,500	4,200	4,600	2,000		
Total HAPs (= sum of detected HAPs)			**859,100**	**511,300**	**349,480**	**354,050**	**0**	**0**
Total VOCs (= sum of detected VOCs)			**883,000**	**526,400**	**361,580**	**367,050**	**0**	**0**

NOTES:

Concentrations are in micrograms per cubic meter (µg/m^3).
February 2015 samples were collected at the end of the pilot test on RW-10 and after the pilot test had been completed on RW-11.

FOOTNOTES:

(1) Samples analyzed for VOCs using EPA Method TO-15. Only VOCs detected in one or more samples are listed in this table.

(2) HAP listing = "Both" if VOC is on USEPA's Initial List of Hazardous Air Pollutants with Modifications webpage and in NR 445.07 Table A, WAC. HAP listing = "Federal" if VOC is on USEPA's Initial List of Hazardous Air Pollutants with Modifications webpage only.

(3) The 2/19/18 exhaust sample was collected when there was an opening in piping to RW-11 (due to a missing valve) that introduced fresh air, diluted the sample, and lowered VOC concentrations. The opening in the piping to RW-11 was plugged on 2/20/18.

(4) The 3/27/19 exhaust sample was collected when there was a system leak in the piping manifold to RW-11 that introduced fresh air, diluted the sample, and lowered VOC concentrations. The system leak was repaired after the sample was collected on 3/27/19.

WRR ENVIRONMENTAL SERVICES, INC.
EAU CLAIRE, WISCONSIN

TABLE 18

ESTIMATED AIR EMISSIONS OF PCE, TOTAL HAPs, AND TOTAL VOCs FROM THE SVE SYSTEM

Date and Time	Elapsed Time (hr)	Run Time[(1)] (hr)	Meter Reading (hr)	Vacuum (inch wc) Blower Inlet	Vacuum (inch wc) System Manifold	Temp (˚F)	Run Time (%)	Dual-Phase/Vent Well(s) Online RW-10	RW-11	SVE-4	Flow Rate (scfm)	Flow Rate (ft^3/hr)	Tetrachloroethene (PCE) Conc. ($\mu g/m^3$)	PCE Rate (lb/hr)	PCE TTM (lb/yr)	PCE Cumulative (lb)	Total HAPs Conc. ($\mu g/m^3$)	Total HAPs Rate (lb/hr)	Total HAPs Cumulative (lb)	Total VOCs Conc. ($\mu g/m^3$)	Total VOCs Rate (lb/hr)	Total VOCs TTM (ton/yr)	Total VOCs Cumulative (lb)	FN
7/6/16 15:00		0		50		220			x		240	14,400	15,000	0.0135	na	0.0	882,200	0.79	0	1,305,700	1.17	na	0	(2)
7/22/16 12:45		382		50		220	100		x		240	14,400	15,000	0.0135	na	5.1	882,200	0.79	303	1,305,700	1.17	na	448	(2)
8/3/16 8:20	0.0	382	0.0	50		220			x		240	14,400	15,000	0.0135	na	5.1	882,200	0.79	303	1,305,700	1.17	na	448	
9/13/16 9:00	984.7	1,366.4	552.3	78	90	220	100	1	x		162	9,696	71,000	0.0430	na	18.4	3,636,000	2.2	1,083	4,005,000	2.4	na	1,603	(3)
9/15/16 9:45	48.8	1,415.2		78	96	230	100	1	x		162	9,696	71,000	0.0430	na	20.5	3,636,000	2.2	1,190	4,005,000	2.4	na	1,721	
10/17/16 13:00	771.2	2,186.4	1,322.5	96	96	246	100	1	x		111	6,672	24,000	0.0100	na	40.9	1,191,000	0.50	2,230	1,660,700	0.69	na	2,922	
12/20/16 12:30	1,534.5	3,723.6	2,859.7	90	90	266	100	1	x		128	7,680	13,000	0.0062	na	53.4	297,800	0.14	2,721	401,200	0.19	na	3,602	(4)
3/13/17 14:00	1,992.5	5,698.6	4,834.7	100	98	252	99	1	x		100	6,000	23,000	0.0086	na	68.1	514,800	0.19	3,052	700,400	0.26	na	4,050	
5/16/17 10:35	1,532.6	7,246.4	6,382.5	100	98	268	101	1	x		100	6,000	30,000	0.0112	na	83.4	464,700	0.17	3,336	586,200	0.22	na	4,423	
6/30/17 8:15	1,077.7	8,318.2	7,454.3	98	98	258	99	1	x		106	6,336	30,000	0.0119	na	95.8	388,100	0.15	3,511	475,600	0.19	na	4,642	
11/15/17 9:15	3,313.0	11,613.3	10,749.4	80	100	260	99	1	x		156	9,360	20,000	0.0117	88.0	135	229,330	0.13	3,985	246,990	0.14	0.98	5,189	
2/5/18 9:00	1,967.8	13,581.1	12,717.2	80	60	190	100	1	x		156	9,360	5,500	0.0032	95.9	157.6	75,020	0.044	4,248	102,020	0.060	0.81	5,473	(5)
2/19/18 9:00	336.0	13,915.1	13,051.2	80	60	190	99	1	x		156	9,360	5,500	0.0032	94.5	158.6	75,020	0.044	4,263	102,020	0.060	0.78	5,493	(6)
2/20/18 9:00	24.0	13,939.1	13,075.2	100	100	270	100	1	x		100	6,000	21,000	0.0079	94.4	158.7	241,710	0.090	4,264	290,430	0.11	0.78	5,494	(7)
6/5/18 14:20	2,525.3	16,464.8	15,600.9	100	100	270	100	1	x		100	6,000	21,000	0.0079	89.6	179	241,710	0.090	4,493	290,430	0.11	0.62	5,769	
9/6/18 15:36	2,233.3	18,583.2	17,719.3	100	100	268	95	1	x		100	6,000	40,000	0.0150	87.8	203	412,400	0.15	4,752	473,200	0.18	0.58	6,072	
10/1/18 9:20	593.7	19,177.0	18,313.1	95	95	240	100	1	x	x	114	6,840	3,200,000	1.3658	89.7	212	6,086,000	2.6	4,844	6,213,000	2.7	0.58	6,177	(8)
10/2/18 9:00	23.7	19,200.7	18,336.8	94	94	240	100	1	x	x	117	7,008	3,200,000	1.3994	122	244	6,086,000	2.7	4,906	6,213,000	2.7	0.61	6,240	
10/3/18 12:50	27.8	19,228.5	18,364.6	94	94	250	100	1	x	x	117	7,008	1,700,000	0.7434	152	274	3,281,000	1.43	4,963	3,351,000	1.47	0.64	6,299	
10/4/18 8:15	19.4	19,247.9	18,384.0	96	96	235	100	1	x	x	111	6,672	1,800,000	0.7494	166	289	3,480,000	1.45	4,991	3,553,000	1.48	0.65	6,327	(9)
10/12/18 8:15	192.0	19,439.9	18,576.0	96	96	233	100	1	x	x	111	6,672	1,200,000	0.4996	284	409	2,350,500	0.98	5,224	2,402,500	1.00	0.76	6,565	
10/15/18 16:30	80.3	19,520.2	18,656.3	100	100	268	100	1	x		100	6,000	40,000	0.0150	323	449	412,400	0.15	5,302	473,200	0.18	0.79	6,645	(10)
10/18/18 8:50	64.3	19,584.5	18,720.6	96	96	233	100	1	x	x	111	6,672	1,200,000	0.4996	323	450	2,350,500	0.98	5,312	2,402,500	1.00	0.79	6,657	(11)
10/24/18 14:15	149.4	19,733.9	18,870.0	98	90	244	100	1	x	x	106	6,336	590,000	0.2333	376	504	1,060,500	0.42	5,417	1,084,100	0.43	0.83	6,764	
10/31/18 13:15	167.0	19,900.9	19,037.0	98	90	252	100	1	x	x	106	6,336	730,000	0.2886	418	548	1,351,300	0.53	5,496	1,380,500	0.55	0.86	6,845	
11/1/18 13:55	24.7	19,925.4	19,061.5	98	90	252	99	1	x	x	106	6,336	730,000	0.2886	424	555	1,351,300	0.53	5,510	1,380,500	0.55	0.86	6,858	(12)
3/19/19 13:00	na	19,925.4	19,061.5	34	34	160	0.0	1		x	285	17,088	3,000	0.0032	391	555	24,673	0.026	5,510	28,313	0.030	0.65	6,858	(13)
3/27/19 6:20	185.3	20,104.7	19,240.8	34	34	160	97	1		x	285	17,088	3,000	0.0032	390	556	24,673	0.026	5,514	28,313	0.030	0.64	6,864	(14)
4/4/19 6:50	192.5	20,297.2	19,433.3	98	98	238	100	1	x	x	106	6,336	270,000	0.1067	409	576	857,500	0.339	5,580	891,130	0.352	0.66	6,932	
5/7/19 7:15	792.4	21,089.7	20,225.8	100	100	260	100	1	x	x	100	6,000	280,000	0.1048	487	660	739,500	0.277	5,824	770,300	0.288	0.75	7,185	
6/11/19 6:50	839.6	21,929.1	21,065.2	98	98	252	100	1	x	x	106	6,336	370,000	0.1463	585	765	840,100	0.332	6,079	861,900	0.341	0.83	7,450	
7/1/19 12:50	486.0	22,410.3	21,546.4	98	98	272	99	1	x	x	106	6,336	340,000	0.1344	648	833	915,900	0.362	6,246	945,900	0.374	0.88	7,621	
8/15/19 14:40	1,081.8	23,483.9	22,620.0	99	99	278	99	1	x	x	103	6,168	380,000	0.1463	787	984	859,100	0.331	6,618	883,000	0.340	1.00	8,005	
9/30/19 6:30	1,095.8	24,603.6	23,739.7	100	100	260	102	1	x	x	100	6,000	220,000	0.0824	900	1,112	511,300	0.191	6,910	526,400	0.197	1.07	8,305	(15)
10/17/19 15:30	417.0	24,996.6	24,132.7	100	100	276	94	1	x	x	100	6,000	130,000	0.0487	688	1,137	349,480	0.131	6,974	361,580	0.135	0.86	8,371	
11/4/19 7:50	424.3	25,422.0	24,558.1	100	100	260	100	1	x	x	100	6,000	110,000	0.0412	601	1,156	354,050	0.133	7,030	367,050	0.137	0.79	8,429	
NR445.07 Table A thresholds for PCE (stack height from 25 to <40 feet) and NR406 emission limit for total VOCs														35.4	1,237 lb/yr						5.7			

TABLE 18

ESTIMATED AIR EMISSIONS OF PCE, TOTAL HAPs, AND TOTAL VOCs FROM THE SVE SYSTEM

NOTES:
Run Time (hr) = Run time of the SVE vacuum blower (Rotron Model EN858 with 7.5-hp motor).
Meter Reading (hr) = Run time clock on blower (installed 8/3/16). Red text = value based on elapsed time because the meter reading was not recorded and it was assumed that blower ran continuously.
Flow Rate = Volumetric flow rate (range of 6,000-17,088 ft^3/hr, as a function of vacuum, based on the blower performance curve).
Conc. = Measured concentration (for detected compounds). Red text = assumed concentration per footnote.
Rate = Emission rates (lb/hr) calculated by multiplying the flow rate, in ft^3/hr, by the measured concentration, in µg/m^3, by 6.24E-11 to convert from µg/m^3 to lb/ft^3.
Cumulative emissions routinely calculated by multiplying the average emission rate during a period by the difference in run times or meter readings at the beginning and end of that period and adding the cumulative mass from the previous period. Cumulative emissions in red text are non-routine periods/events and not averaged (e.g., 8/3/16 rates applied for the 8/3/16-9/13/16 period because RW-10 was brought online on 9/13/16, etc.).
na = Not applicable.
FN = Footnote (see below).
TTM = Trailing twelve months = Cumulative mass on date shown (-) Cumulative mass 12 months before in pounds per year (lb/yr).

FOOTNOTES:
(1) Full-time operation of the SVE system began on 7/6/16. Run time is calculated by adding the elapsed time from previous sampling period to prior run time total.
(2) System temporarily shutdown from 7/22/16 to 8/3/16. No SVE exhaust gas sample collected on 7/6/16 or 7/22/16; PCE, total HAP, and total VOC data shown are based on measured concentrations in 8/3/16 sample.
(3) No SVE exhaust gas sample collected; PCE, total HAP, and total VOC data shown are based on measured concentrations in 9/15/16 sample.
(4) Run Time (%) and Cumulative mass estimates based on Meter Readings (hr) column instead of Run Time (hr) column starting on 12/20/16.
(5) Valve on header at RW-11 removed on 2/5/18, allowing atmospheric air to dilute SVE exhaust gas. PCE, total HAP, and total VOC data, etc. shown are based on measured concentrations in 2/19/18 sample and 2/19/18 vacuum and temp readings.
(6) Relatively low manifold vacuum and temp due to leak at RW-11 (see Footnote #5). SVE exhaust gas sample collected on 2/19/18 diluted by atmospheric air.
(7) Missing value on header at RW-11 replaced, plugging leak. PCE, total HAP, and total VOC data, etc. shown are based on measured concentrations in 6/5/18 sample and 6/5/18 vacuum and temp readings.
(8) No SVE exhaust gas sample collected; PCE, total HAP, and total VOC data shown are based on measured concentrations in 10/2/18 sample.
(9) Meter Reading emailed to GF was changed from 18,348.0 to 18,384.0 hr (WRR field staff originally had transposed the 4 and 8).
(10) Gate valve to SVE-4 closed. PCE, total HAP, and total VOC data, etc. shown are based on measured concentrations in 9/6/18 sample and 9/6/18 vacuum and temp readings. Meter reading based on elapsed time.
(11) Gate valve to SVE-4 re-opened. PCE, total HAP, and total VOC data, etc. shown are based on measured concentrations in 10/12/18 sample and 10/12/18 vacuum and temp readings.
(12) System shutdown due to elevated TTM pending receipt of 10/24/18 & 10/31/18 lab data. PCE, total HAP, and total VOC data, etc. shown are based on measured concentrations in 10/31/18 sample and 10/31/18 vacuum and temp readings.
(13) System resumed operation despite system leak in piping manifold to RW-11. PCE/total HAP/total VOC data, etc. based on measured concentrations in 03/27/19 sample and 03/27/19 vacuum and temp readings. RW-11 shown as offline.
(14) Relatively low manifold vacuum/temp due to system leak (see FN #13). Sample collected on 03/27/19 diluted by atmospheric air, leak repair complete after sample collected, and system offline for ~6 hr on March 20 or 21 for turbo stripper repair.
(15) SVE-4, the vent well with the highest VOC concentrations, was offline from 12:53 on 8/27/19 to 12:57 on 8/29/19. However, no adjustments are included in this table, resulting in a conservative estimate for emission tracking.

EXAMPLE CALCULATIONS:
VOC emission rate on 8/3/16:

$$\frac{14{,}400\ ft^3}{hr} \times \frac{1{,}305{,}700\ \mu g}{m^3} \times 6.24E\text{-}11 \times \frac{lb/ft^3}{\mu g/m^3} = 1.17\ lb/hr$$

Cumulative total VOC emissions from 7/6/16 to 7/22/16:

$$\frac{(1.17+1.17)\ lb/hr}{2} \times (382\text{-}0\ hr) + 0\ lb = 448\ lb$$

WRR ENVIRONMENTAL SERVICES, INC.
EAU CLAIRE, WISCONSIN

TABLE 19

SUMMARY OF VOCs DETECTED IN SVE-5 EXHAUST GAS SAMPLES

Sample Date	Concentration ($\mu g/m^3$) for Detected Volatile Organic Compounds (VOCs)																		
	Benzene	Chloroethane	Chloroform	Cumene (Isopropyl benzene)	Cyclohexane	Dichlorodifluoromethane (CFC 12)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	4-Ethyltoluene	n-Heptane	n-Hexane	4-Methyl-2-pentanone (MIBK)	Methylene chloride	n-Nonane
CAS #	71-43-2	75-00-3	67-66-3	98-82-8	110-82-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	78-87-5	100-41-4	622-96-8	142-82-5	110-54-3	108-10-1	75-09-2	111-84-2
HAP	Both	Both	Both	Both	No	No	Both	Both	Both	No	No	Both	Both	No	No	Both	Both	Both	No
8/2/17	<850	120,000	<850	2,100	2,800	1,000	170,000	<850	5,100	130,000	2,300	<850	47,000	3,200	11,000	1,700	1,300	42,000	45,000
8/5/19	<730	140,000	<760	1,600	2,500	<730	200,000	<740	9,600	220,000	3,100	1,000	28,000	1,600	8,200	1,100	<740	36,000	41,000
8/6/19	<3,400	82,000	<3,500	<3,400	<6,500	<3,400	210,000	<3,400	9,500	460,000	<3,400	<3,500	27,000	<3,400	4,000	<3,500	<3,400	22,000	22,000
8/7/19	<2,900	57,000	<3,000	<2,900	<5,500	<2,900	160,000	<2,900	6,700	370,000	<2,900	<3,000	16,000	<2,900	<3,000	<3,000	<2,900	14,000	11,000
8/15/19	<2,900	40,000	<3,000	<2,900	<5,500	<2,900	140,000	<2,900	4,400	370,000	<2,900	<3,000	12,000	<2,900	<3,000	<3,000	<2,900	9,400	8,200
8/21/19	<770	59,000	850	<780	<1,500	<770	140,000	1,500	5,500	380,000	3,300	1,100	9,200	<780	1,400	<800	1,500	9,500	5,900
8/28/19	<3,000	41,000	<3,100	<3,000	<5,700	<3,000	120,000	<3,000	6,400	340,000	<3,000	<3,100	4,900	<3,000	<3,100	<3,100	<3,000	5,500	3,200
9/30/19	<640	48,000	760	<650	<1,200	<640	81,000	690	3,200	250,000	1,700	830	<640	<650	<670	<670	<650	1,500	<670
10/17/19	350	42,000	630	<290	770	<290	68,000	600	1,600	170,000	1,500	700	<290	<290	<290	<290	<290	1,200	<290
11/4/19	220	35,000	530	<140	490	<140	53,000	420	4,300	130,000	1,100	580	<140	<140	<140	200	<140	1,100	<140

TABLE 19

SUMMARY OF VOCs DETECTED IN SVE-5 EXHAUST GAS SAMPLES

Sample Date	Concentration (µg/m3) for Detected Volatile Organic Compounds (VOCs)																	
	n-Octane	alpha-Pinene	Propene	n-Propylbenzene	Tetrachloroethene (PCE)	Toluene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorotrifluoroethane (CFC 113)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m&p-Xylenes	o-Xylene	Total Xylenes	Total HAPs (= sum of detected HAPs)	Total VOCs (= sum of detected VOCs)
CAS #	111-65-9	80-56-8	115-07-1	103-65-1	127-18-4	108-88-3	71-55-6	79-00-5	79-01-6	76-13-1	95-63-6	108-67-8	75-01-4	179601-23-1	95-47-6			
HAP	No	No	No	No	Both	Both	Federal	Both	Both	No	No	No	Both	Both	Both			
8/2/17	23,000	1,400	12,000	1,800	13,000	100,000	280,000	<850	2,000	940,000	5,500	3,200	220,000	120,000	47,000	167,000	1,171,200	2,353,400
8/5/19	20,000	1,100	4,400	980	7,200	51,000	400,000	<760	12,000	1,000,000	890	1,300	130,000	43,000	17,000	60,000	1,077,500	2,382,570
8/6/19	10,000	<3,400	<3,400	<3,500	15,000	78,000	540,000	<3,500	16,000	600,000	<3,400	<3,400	55,000	73,000	29,000	102,000	1,156,500	2,252,500
8/7/19	6,000	<2,900	<2,900	<3,000	15,000	52,000	410,000	<3,000	12,000	400,000	<2,900	<2,900	35,000	44,000	18,000	62,000	839,700	1,626,700
8/15/19	5,500	<2,900	<2,900	<3,000	43,000	30,000	450,000	<3,000	18,000	310,000	<2,900	<2,900	19,000	38,000	14,000	52,000	817,800	1,511,500
8/21/19	4,100	<770	980	<800	82,000	26,000	490,000	940	27,000	290,000	1,200	790	25,000	32,000	13,000	45,000	924,090	1,611,760
8/28/19	<3,100	<3,000	<3,000	<3,100	61,000	13,000	480,000	<3,100	24,000	240,000	<3,000	<3,000	17,000	14,000	7,500	21,500	794,300	1,377,500
9/30/19	<670	<640	700	<670	100,000	680	440,000	760	43,000	150,000	<650	<650	7,300	<1,400	690	690	728,410	1,130,810
10/17/19	<290	<290	540	<290	60,000	330	330,000	580	37,000	130,000	<290	<290	6,100	<600	<290	<890	549,090	851,900
11/4/19	<140	<140	280	<140	53,000	280	240,000	470	25,000	100,000	<140	<140	4,300	<290	250	250	418,650	650,520

NOTES:

Concentrations are in micrograms per cubic meter ($\mu g/m^3$).

August 2017 sample was collected during pilot test; all other samples were collected during full-scale operation of SVE system.

FOOTNOTES:

(1) Samples analyzed for VOCs using EPA Method TO-15. Only VOCs detected in one or more samples are listed in this table.

(2) HAP listing = "Both" if VOC is on USEPA's Initial List of Hazardous Air Pollutants with Modifications webpage and in NR 445.07 Table A, WAC (Register March 2016 No. 723). HAP

Gannett Fleming

WRR ENVIRONMENTAL SERVICES, INC.
EAU CLAIRE, WISCONSIN

TABLE 20

ESTIMATED AIR EMISSIONS OF TOTAL HAPs AND TOTAL VOCs FROM SVE-5 VENT SYSTEM

Date and Time	Elapsed Time[(1)] (hr)	Run Time[(2)] (hr)	Inlet Vacuum (inch wc)	Flow Rate (scfm)	Flow Rate (ft^3/hr)	Total HAPs Conc. ($\mu g/m^3$)	Total HAPs Rate (lb/hr)	Total HAPs Cumulative (lb)	Total VOCs Conc. ($\mu g/m^3$)	Total VOCs Rate (lb/hr)	Total VOCs Cumulative (lb)	FN
8/5/19 7:30		0	32	22	1,320	1,077,500	0.089	0.0	2,382,570	0.20	0.0	(3)
8/5/19 16:10	8.7	8.7	32	22	1,320	1,077,500	0.089	0.77	2,382,570	0.20	1.70	
8/6/19 16:25	24	33	32	22	1,320	1,156,500	0.095	3.0	2,252,500	0.186	6.3	
8/7/19 13:10	21	54	32	22	1,320	839,700	0.069	4.7	1,626,700	0.134	9.6	
8/15/19 14:35	193	247	32	22	1,320	817,800	0.067	17.9	1,511,500	0.124	35	
8/21/19 9:00	138	386	32	22	1,320	924,090	0.076	28	1,611,760	0.133	52	
8/28/19 12:30	172	557	32	22	1,320	794,300	0.065	40	1,377,500	0.113	74	
9/30/19 6:35	786	1,343	32	22	1,320	728,410	0.060	89	1,130,810	0.093	155	
10/17/19 15:30	417	1,760	32	22	1,320	549,090	0.045	111	851,900	0.070	189	
11/4/19 7:55	424	2,184	32	22	1,320	418,650	0.034	128	650,520	0.054	215	
NR406 emission limit for total VOCs										5.7		

NOTES:

Run Time (hr) = Run time of vacuum blower (Rotron Model EN303 with 0.5-hp motor) assuming the blower ran continuously.

Flow Rate = Volumetric flow (nominal range = 0-3,300 ft^3/hr, as a function of inlet vacuum, based on performance curve).

Conc. = Measured concentration (for detected compounds). Red text = assumed concentration per footnote(s).

Rate = Emission rates (lb/hr) based on flow, measured concentration, and conversion factor. See Table 17A for details.

Cumulative emissions routinely calculated by multiplying the average emission rate during a period by the difference in run times at the beginning and end of that period and adding the cumulative mass from the previous period. See Table 17A for example calculations.

FOOTNOTES (FN):

(1) Elapsed Time = hours between Date and Time intervals shown, and full-time operation of SVE-5 began at 07:30 on 8/5/19.

(2) Run time = Elapsed Time from previous sampling period (+) prior Run Time total.

(3) Concentrations based on sample collected at 16:10 on 8/5/19 (i.e., about 8.7 hr after startup of SVE-5).

Gannett Fleming

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 21

GROUNDWATER MONITORING SCHEDULE

Sample Point Name	WDNR Well ID	Sampling Frequency
Production Well	010	A
Drinking Water Well	020	SA
W-1	100	A
W-1A	103	SA
W-1D	109	SA
W-2	112	SA
W-2A	115	A
W-2B	118	A
W-3	121	A
W-3A	124	A
W-3B	127	A
W-4	130	A
W-5	133	A
W-6	136	SA
W-7	139	SA
W-7A	142	SA
W-17	169	A
W-17A	172	SA
W-17B	175	SA
W-18	178	A
W-18A	181	SA
W-19R	185	SA
W-26	205	SA
W-27	208	SA
W-28	211	A
W-29	214	A
W-30A	217	SA
W-30B	220	SA
W-31A	223	SA
W-31B	226	SA
W-32	228	SA
W-33	233	SA
W-34	235	SA
W-35		SA
MW-106	330	A
MW-106A	333	A

Sample Point Name	WDNR Well ID	Sampling Frequency
MW-111	357	A
MW-111A	360	SA
MW-111B	363	SA
MW-112	366	A
MW-112A	369	A
MW-112B	372	A
MW-113	375	A
MW-113A	378	A
MW-113B	381	A
MW-114	384	SA
MW-114A	387	SA
MW-114B	390	A
MW-115	393	SA
MW-115A	396	SA
MW-115B	399	SA
MW-116	402	A
TW-1	404	SA
RW-2	503	A
RW-4	509	A
RW-5	512	A
RW-6	515	SA
RW-7	518	SA
RW-8	521	A
RW-9	524	A
RW-10	527	SA
RW-11	530	SA
RW-12	532	SA
RW-13	534	SA
Seep 2N (2nd Seep N)	610	A
Seep 7N	612	A
PW-11		A
PW-16		A
Method Blank	995	1 per event
Field Blank	997	1 per event
Trip Blank	999	1 per cooler
Duplicate		1 per 10 samples

NOTES:
SA = Semi-annual sampling in the spring and fall.
A = Annual sample collected in the spring each year.
Wells that had their sampling frequency changed in December 2018 are highlighted in yellow.
Private wells PW-11 and PW-16 replaced annual sampling of Seeps #8 & #9.

Gannett Fleming

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 22

GROUNDWATER ELEVATIONS (MAY 2018 - OCTOBER 2019)

Well ID	WDNR Well ID	Reference Elevation (ft MSL)	May 8, 2018		October 17, 2018		May 21-22, 2019		October 22-23, 2019	
			Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)
W-1	100	893.58	2.35	891.23	2.30	891.28	2.09	891.49	2.10	891.48
W-1A	103	893.68	18.15	875.53	16.81	876.87	15.88	877.80	15.17	878.51
W-1D	109	895.00	18.97	876.03	17.67	877.33	16.89	878.11	15.60	879.40
W-2	112	899.21	10.98	888.23	9.64	889.57	8.27	890.94	8.83	890.38
W-2A	115	900.17	25.88	874.29	24.73	875.44	23.82	876.35	23.27	876.90
W-2B	118	900.03	16.49	883.54	14.57	885.46	13.64	886.39	12.79	887.24
W-3	121	902.22	11.60	890.62	10.40	891.82	9.64	892.58	12.60	889.62
W-3A	124	903.79	28.55	875.24	27.50	876.29	26.50	877.29	25.90	877.89
W-3B	127	904.14	16.70	887.44	14.60	889.54	13.49	890.65	NM	NM
W-4	130	903.20	14.81	888.39	12.96	890.24	11.71	891.49	11.17	892.03
W-5	133	899.47	9.50	889.97	9.28	890.19	8.01	891.46	7.48	891.99
W-6	136	900.88	13.00	887.88	11.64	889.24	10.60	890.28	10.39	890.49
W-7	139	904.18	15.95	888.23	14.78	889.40	13.60	890.58	13.20	890.98
W-7A	142	905.33	19.55	885.78	17.47	887.86	16.16	889.17	15.50	889.83
W-8	145	905.89	NM	NM	NM	NM	14.48	891.41	NM	NM
W-10	151	892.93	NM	NM	Abandoned on 6/12/18		Abandoned on 6/12/18		Abandoned on 6/12/18	
MW-10A	154	891.78	NM	NM	Abandoned on 6/12/18		Abandoned on 6/12/18		Abandoned on 6/12/18	
W-11	157	890.95	NM	NM	NM	NM	12.48	878.47	NM	NM
W-17	169	891.97	10.66	881.31	9.60	882.37	7.85	884.12	11.50	880.47
W-17A	172	890.11	33.74	856.37	34.40	855.71	32.43	857.68	32.10	858.01
W-17B	175	890.38	29.85	860.53	29.40	860.98	28.10	862.28	27.30	863.08
W-18	178	890.69	2.51	888.18	2.45	888.24	2.56	888.13	NM	NM
W-18A	181	890.82	23.33	867.49	22.37	868.45	21.35	869.47	NM	NM
W-19R	185	892.30	21.67	870.63	20.50	871.80	19.44	872.86	19.51	872.79
W-20	187	892.86	21.18	871.68	Abandoned on 6/12/18		Abandoned on 6/12/18		Abandoned on 6/12/18	
W-22	193	891.19	30.74	860.45	Abandoned on 6/12/18		Abandoned on 6/12/18		Abandoned on 6/12/18	
W-23	196	894.70	NM	NM	NM	NM	NM	NM	NM	NM
W-24	199	895.08	NM	NM	NM	NM	NM	NM	NM	NM
W-25	202	895.08	NM	NM	NM	NM	NM	NM	NM	NM
W-26	205	892.37	28.46	863.91	28.00	864.37	26.71	865.66	26.30	866.07
W-27	208	888.86	35.12	853.74	35.00	853.86	33.73	855.13	33.20	855.66
W-28	211	893.36	5.25	888.11	4.50	888.86	2.69	890.67	3.50	889.86
W-29	214	892.26	5.09	887.17	4.60	887.66	3.22	889.04	NM	NM
W-30A	217	875.57	20.64	854.93	20.40	855.17	19.46	856.11	19.20	856.37
W-30B	220	876.33	19.46	856.87	19.20	857.13	18.18	858.15	17.90	858.43
W-31A	223	902.86	18.94	883.92	16.97	885.89	16.29	886.57	14.80	888.06
W-31B	226	902.94	25.00	877.94	21.90	881.04	20.85	882.09	19.40	883.54
W-32	788	901.31	14.42	886.89	12.38	888.93	11.28	890.03	10.90	890.41
W-33	787	899.38	10.34	889.04	9.72	889.66	8.44	890.94	8.80	890.58

Gannett Fleming

TABLE 22

GROUNDWATER ELEVATIONS (MAY 2018 - OCTOBER 2019)

Well ID	WDNR Well ID	Reference Elevation (ft MSL)	May 8, 2018		October 17, 2018		May 21-22, 2019		October 22-23, 2019	
			Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)
W-34	592	904.41	18.45	885.96	15.92	888.49	15.08	889.33	13.90	890.51
W-35	--	904.38	NI	NI	15.26	889.12	14.14	890.24	13.30	891.08
MW-101A	303	893.82	NM	NM	Abandoned on 6/12/18		Abandoned on 6/12/18		Abandoned on 6/12/18	
MW-102	306	892.27	NM	NM	Abandoned on 6/12/18		Abandoned on 6/12/18		Abandoned on 6/12/18	
MW-102A	309	892.62	NM	NM	Abandoned on 6/12/18		Abandoned on 6/12/18		Abandoned on 6/12/18	
MW-103	312	892.18	NM	NM	Abandoned on 6/12/18		Abandoned on 6/12/18		Abandoned on 6/12/18	
MW-103A	315	891.82	NM	NM	Abandoned on 6/12/18		Abandoned on 6/12/18		Abandoned on 6/12/18	
MW-104	318	890.46	NM	NM	NM	NM	7.60	882.86	9.80	880.66
MW-104A	321	890.74	NM	NM	NM	NM	29.35	861.39	28.55	862.19
MW-106	330	892.88	7.45	885.43	6.70	886.18	4.91	887.97	6.90	885.98
MW-106A	333	892.89	24.62	868.27	23.30	869.59	22.36	870.53	22.10	870.79
MW-108	342	894.85	NM	NM	Abandoned on 6/12/18		Abandoned on 6/12/18		Abandoned on 6/12/18	
MW-108A	345	894.79	NM	NM	Abandoned on 6/12/18		Abandoned on 6/12/18		Abandoned on 6/12/18	
MW-111	357	888.11	41.17	846.94	41.60	846.51	40.27	847.84	40.30	847.81
MW-111A	360	888.24	40.80	847.44	40.80	847.44	40.11	848.13	39.80	848.44
MW-111B	363	888.07	36.83	851.24	37.50	850.57	36.71	851.36	36.90	851.17
MW-112	366	886.26	35.15	851.11	34.90	851.36	34.00	852.26	33.80	852.46
MW-112A	369	886.08	34.97	851.11	34.70	851.38	33.90	852.18	33.70	852.38
MW-112B	372	886.29	34.91	851.38	34.60	851.69	33.95	852.34	33.60	852.69
MW-113	375	890.59	40.62	849.97	41.40	849.19	39.60	850.99	39.40	851.19
MW-113A	378	890.83	40.80	850.03	41.70	849.13	39.70	851.13	39.60	851.23
MW-113B	381	890.81	40.22	850.59	39.90	850.91	39.00	851.81	38.90	851.91
MW-114	384	890.15	29.76	860.39	30.10	860.05	27.66	862.49	27.30	862.85
MW-114A	387	889.95	32.60	857.35	32.30	857.65	31.27	858.68	31.10	858.85
MW-114B	390	890.01	32.53	857.48	32.10	857.91	31.08	858.93	30.70	859.31
MW-115	393	889.14	35.45	853.69	35.20	853.94	34.32	854.82	34.10	855.04
MW-115A	396	888.42	34.82	853.60	34.60	853.82	33.69	854.73	33.40	855.02
MW-115B	399	888.54	34.81	853.73	34.50	854.04	33.60	854.94	33.40	855.14
MW-116	402	889.80	4.96	884.84	4.20	885.60	2.75	887.05	5.00	884.80
RW-5	512	903.75	16.22	887.53	NM	NM	14.13	889.62	13.36	890.39

NOTES:

Depth to water measurements were gauged to the nearest tenth of a foot (0.1 ft) by WRR field staff Oct. 2017-Oct. 2019.
Reference elevation data for W-1 thru W-29 and MW-101 thru MW-110 taken from ECG Inc.'s 05/02/96 "Site Plan - Waste Research and Reclamation" showing revised monitoring well elevations.
Reference elevations for W-30A, W-30B, MW-103, and MW-103A from WRR level survey conducted 9/19/07.
Reference elevations for W-111 thru MW-113B based on table with well info prepared by SEH dated 1/14/05.
Reference elevations for well nests MW-113 thru MW-115 and MW-116 based on SEH survey conducted in May 2010.
Reference elevations for W-19R, W-31A, and W-31B were surveyed by Gannett Fleming in December 2014.
Reference elevations for W-32 and W-33 were surveyed by Gannett Fleming in September 2016.
Reference elevation for W-34 were surveyed by Gannett Fleming in August 2017.
Reference elevation for W-35 were surveyed by Gannett Fleming in October 2018.
NI = Well not installed on date of measurement.
NM = Not measured

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 23

MEASURED VERTICAL GRADIENT (OCTOBER 2018 - OCTOBER 2019)

Well ID	WDNR Well ID	Ground Surface Elevation (ft MSL)	Top of Casing Elevation (ft MSL)	Top of Screened Interval (ft MSL)	Bottom of Screened Interval (ft MSL)	October 2018 Data			May 2019 Data			October 2019 Data		
						Depth to Water (ft)	GW Elevation (ft MSL)	Vertical Gradient (ft/ft)	Depth to Water (ft)	GW Elevation (ft MSL)	Vertical Gradient (ft/ft)	Depth to Water (ft)	GW Elevation (ft MSL)	Vertical Gradient (ft/ft)
W-1	100	892.24	893.58	890.24	885.24	2.30	891.28		2.09	891.49		2.10	891.48	
W-1A	103	892.64	893.68	855.64	852.64	16.81	876.87	(0.4289)	15.88	877.80	(0.4074)	15.17	878.51	(0.3860)
W-1D	109	892.64	895.00	849.64	844.64	17.67	877.33	(0.3436)	16.89	878.11	(0.3296)	15.60	879.40	(0.2975)
W-2	112	898.52	899.21	889.52	884.52	9.64	889.57		8.27	890.94		8.83	890.38	
W-2B	118	897.92	900.03	847.92	842.92	14.57	885.46	(0.0988)	13.64	886.39	(0.1094)	12.79	887.24	(0.0755)
W-2A	115	898.02	900.17	793.02	788.02	24.73	875.44	(0.1825)	23.82	876.35	(0.1829)	23.27	876.90	(0.1883)
W-3	121	901.66	902.22	891.66	886.66	10.40	891.82		9.64	892.58		12.60	889.62	
W-3B	127	902.16	904.14	846.16	841.16	14.60	889.54	(0.0501)	13.49	890.65	(0.0424)	NM	NM	NM
W-3A	124	902.86	903.79	794.86	789.86	27.50	876.29	(0.2583)	26.50	877.29	(0.2604)	25.90	877.89	NM
W-7	139	900.53	904.18	888.03	878.03	14.78	889.40		13.60	890.58		13.20	890.98	
W-7A	142	900.53	905.33	873.03	868.03	17.47	887.86	(0.1232)	16.16	889.17	(0.1128)	15.50	889.83	(0.0920)
W-17	169	888.32	891.97	886.12	875.32	9.60	882.37		7.85	884.12		11.50	880.47	
W-17B	175	888.32	890.38	844.32	839.32	29.40	860.98	(0.5777)	28.10	862.28	(0.5763)	27.30	863.08	(0.4821)
W-17A	172	888.32	890.11	793.32	788.32	34.40	855.71	(0.1033)	32.43	857.68	(0.0902)	32.10	858.01	(0.0994)
W-18	178	888.24	890.69	884.74	874.74	2.45	888.24		2.56	888.13		NM	NM	
W-18A	181	888.24	890.82	838.24	833.24	22.37	868.45	(0.4498)	21.35	869.47	(0.4241)	NM	NM	NM
W-30A	217	872.07	875.57	762.07	757.07	20.40	855.17		19.46	856.11		19.20	856.37	
W-30B	220	872.83	876.33	749.33	744.33	19.20	857.13	0.1538	18.18	858.15	0.1601	17.90	858.43	0.1617
W-31A	223	900.37	902.86	860.16	855.16	16.97	885.89		16.29	886.57		14.80	888.06	
W-31B	226	900.37	902.94	839.64	834.64	21.90	881.04	(0.2364)	20.85	882.09	(0.2183)	19.40	883.54	(0.2203)
MW-104	318	888.68	890.46	878.68	873.68	NM	NM		7.60	882.86		9.80	880.66	
MW-104A	321	888.68	890.74	853.18	848.18	NM	NM	NM	29.35	861.39	(0.8420)	28.55	862.19	(0.7243)
MW-106	330	890.96	892.88	880.96	875.96	6.70	886.18		4.91	887.97		6.90	885.98	
MW-106A	333	890.96	892.89	853.96	848.96	23.30	869.59	(0.6144)	22.36	870.53	(0.6459)	22.10	870.79	(0.5626)
MW-111	357	885.59	888.11	850.59	840.59	41.60	846.51		40.27	847.84		40.30	847.81	
MW-111A	360	885.59	888.24	820.59	815.59	40.80	847.44	0.0365	40.11	848.13	0.0111	39.80	848.44	0.0241
MW-111B	363	885.51	888.07	790.51	785.51	37.50	850.57	0.1041	36.71	851.36	0.1074	36.90	851.17	0.0908

TABLE 23

MEASURED VERTICAL GRADIENT (OCTOBER 2018 - OCTOBER 2019)

Well ID	WDNR Well ID	Ground Surface Elevation (ft MSL)	Top of Casing Elevation (ft MSL)	Top of Screened Interval (ft MSL)	Bottom of Screened Interval (ft MSL)	October 2018 Data			May 2019 Data			October 2019 Data		
						Depth to Water (ft)	GW Elevation (ft MSL)	Vertical Gradient (ft/ft)	Depth to Water (ft)	GW Elevation (ft MSL)	Vertical Gradient (ft/ft)	Depth to Water (ft)	GW Elevation (ft MSL)	Vertical Gradient (ft/ft)
MW-112	366	883.88	886.26	853.88	843.88	34.90	851.36		34.00	852.26		33.80	852.46	
MW-112A	369	883.43	886.08	828.43	823.43	34.70	851.38	0.0009	33.90	852.18	(0.0036)	33.70	852.38	(0.0036)
MW-112B	372	883.87	886.29	798.87	793.87	34.60	851.69	0.0105	33.95	852.34	0.0054	33.60	852.69	0.0105
MW-113	375	888.21	890.59	852.21	842.21	41.40	849.19		39.60	850.99		39.40	851.19	
MW-113A	378	888.14	890.83	823.14	818.14	41.70	849.13	(0.0024)	39.70	851.13	0.0054	39.60	851.23	0.0015
MW-113B	381	888.36	890.81	793.36	788.36	39.90	850.91	0.0598	39.00	851.81	0.0228	38.90	851.91	0.0228
MW-114	384	886.65	890.15	861.70	846.70	30.10	860.05		27.66	862.49		27.30	862.85	
MW-114A	387	886.45	889.95	787.25	782.25	32.30	857.65	(0.0350)	31.27	858.68	(0.0549)	31.10	858.85	(0.0576)
MW-114B	390	886.51	890.01	751.51	746.51	32.10	857.91	0.0073	31.08	858.93	0.0070	30.70	859.31	0.0129
MW-115	393	885.64	889.14	795.44	790.44	35.20	853.94		34.32	854.82		34.10	855.04	
MW-115A	396	884.92	888.42	775.80	770.80	34.60	853.82	(0.0061)	33.69	854.73	(0.0046)	33.40	855.02	(0.0010)
MW-115B	399	885.04	888.54	745.94	740.94	34.50	854.04	0.0074	33.60	854.94	0.0070	33.40	855.14	0.0040

NOTES:

Site datum = feet above mean sea level (ft MSL).

Negative/downward calculated vertical gradients are enclosed in parenthesis and (red).

Top of casing & ground surface elevations for W-1 thru W-29 and MW-101 thru MW-110 taken from ECG Inc.'s 05/02/96 "Site Plan-Waste Research and Reclamation" showing revised monitoring well elevations.

Top of casing elevation for W-30A, W-30B, MW-103, and MW-103A from WRR level survey conducted 9/19/07.

Top of casing and ground surface elevations for W-111 through MW-113B based on table with groundwater monitoring well information prepared by SEH dated January 14, 2005.

Top of casing elevations for well nests MW-113 through MW-115 and well MW-116 based on SEH survey conducted in May 2010.

Ground surface elevations were not surveyed for wells W-30A&B, MW-114A&B, and MW-115A&B. The ground surface elevations were derived by subtracting 3.5 ft from top of casing elevations (TOC - 3.5).

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 24

ANALYTICAL RESULTS OF GROUNDWATER SAMPLES FROM GP-36, AS-1, AND SVE-2
SUMMARY OF DETECTED COMPOUNDS (µg/ℓ)

Group / Substance/Analyte	Sample ID and Date Collected			NR 140 PAL	NR 140 ES
	GP-36	AS-1	SVE-2		
	09/17/13	03/27/19			
Halogenated VOCs					
Bromochloromethane	<0.49	<0.20	0.22 J	NSE	NSE
Bromodichloromethane	<0.45	<0.23	*0.41* J	*0.06*	**0.6**
Bromoform	<0.33	<0.77	**40**	*0.44*	**4.4**
Chlorobenzene	<0.36	<0.27	*26*	*20*	**100**
Chloromethane	<0.39	<0.17	0.24 J	*3*	**30**
Dibromochloromethane	<1.9	<0.38	3.0	*6*	**60**
Dibromomethane	<0.48	<0.25	5.5	NSE	NSE
1,1-Dichloroethane	*108*	1.5	<0.31	*85*	**850**
1,2-Dichlorobenzene	10.7	<0.22	<0.22	*60*	**600**
cis-1,2-Dichloroethene	*24.1*	1.1	0.87	*7.0*	**70**
trans-1,2-Dichloroethene	0.61 J	<0.28	<0.28	*10*	**100**
1,2-Dichloropropane	*1.2*	<0.25	<0.25	*0.5*	**5**
1,3-Dichlorobenzene	0.45 J	<0.29	<0.29	*120*	**600**
1,4-Dichlorobenzene	1.0	<0.21	<0.21	*15*	**75**
Methylene Chloride	**9.4** J	<0.56	**47**	*0.5*	**5**
Tetrachloroethene	*2.4*	*1.3*	*1.0*	*0.5*	**5.0**
1,1,1-Trichloroethane	15.9	<0.36	<0.36	*40*	**200**
1,1,2-Trichloroethane	*1.2*	<0.40	<0.40	*0.5*	**5**
Trichloroethene	*0.86* J	*1.4*	*2.1*	*0.5*	**5.0**
Vinyl chloride	**10.7**	<0.20	<0.20	*0.02*	**0.2**
Alcohol and Ketones					
Acetone	27.0	3.4	180	*1,800*	**9,000**
2-Butanone (MEK)	15.1 J	<0.58	6.4	*800*	**4,000**

TABLE 24

ANALYTICAL RESULTS OF GROUNDWATER SAMPLES FROM GP-36, AS-1, AND SVE-2
SUMMARY OF DETECTED COMPOUNDS (µg/ℓ)

Group / Substance/Analyte	Sample ID and Date Collected			NR 140 PAL	NR 140 ES
	GP-36	AS-1	SVE-2		
	09/17/13	03/27/19			
Petroleum-Related Compound					
Benzene	*0.60* J	<0.30	<0.30	*0.5*	**5.0**
Ethylbenzene	*506*	1.7	<0.40	*140*	**700**
Isopropylbenzene (Cumene	28.5	<0.31	<0.31	NSE	NSE
p-Isopropyltoluene	4.0	<0.14	<0.14	NSE	NSE
Methyl tert-butyl ether	3.1	0.85	1.1	*12*	**60**
Naphthalene	*35.8*	<0.18	<0.18	*10*	**100**
n-Propylbenzene	42.8	<0.24	<0.24	NSE	NSE
Toluene	*217*	<0.37	5.4	*160*	**800**
1,2,4-Trimethylbenzene	221	<0.37	<0.37	NSE	NSE
1,3,5-Trimethylbenzene	96.5	<0.29	<0.29	NSE	NSE
Total Trimethylbenzenes	*317.5*	<0.66	<0.66	*96*	**480**
m- & p-Xylene	1,530	<0.98	<0.98	NSE	NSE
o-Xylene	500	<0.35	0.58 J	NSE	NSE
Total Xylene	**2,030**	<1.33	1.56	*400*	**2,000**

NOTES:

Concentrations are in micrograms per liter (µgℓ)/parts per billion (ppb).

Detected concentrations at or above an applicable NR 140 PAL but less than an applicable ES are italicized.

Detected concentrations at or above an applicable NR 140 ES are in bold.

Each sample was analyzed for a full suite of VOCs using Method 8260. Only compounds detected in one or more samples are shown on each page of this table.

NR 140 ES/PAL values from WAC website - http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf, s. NR 140.10, Wis. Adm. Code, Table 1, Register Feb 2017 No. 734.

J = Reported value fell below the Limit of Quantitation set by the lab

NSE = No standard exists in NR 140 for this substance.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 25a

SUMMARY OF DETECTED COMPOUNDS IN W-32 (MAY 2017 - OCTOBER 2019)

Group (units)	NR 140	NR 140	Sample/Measurement Date				
Substance/Parameter	**ES**	**PAL**	**05/18/17**	**10/11/17**	**05/09/18**	**09/06/18**	**12/11/18**
VOCs (µg/ℓ)							
Acetone	**9,000**	*1,800*	<295	<295	610	<274	<274
2-Butanone	**4,000**	*800*	<298	<298	150	<294	<294
Chloroform	**6**	*0.6*	<250	<250	<13	<127	<127
1,1-Dichloroethane	**850**	*85*	*127*	*92.6* J	*140*	*98.0* J	*124*
1,1-Dichloroethene	**7**	*0.7*	**359**	**241**	**480**	**317**	**327**
cis-1,2-Dichloroethene	**70**	*7*	**366**	**323**	**230**	**262**	**288**
1,2-Dicholopropane	**5**	*0.5*	<23.3	<23.3	<12	<28.3	<28.3
Ethylbenzene	**700**	*140*	<50.0	<50.0	32 J	<21.8	<21.8
Methylene Chloride	**5**	*0.5*	<28	<23.3	<28	**61.2** J	<58.1
Tetrachloroethene	**5**	*0.5*	**4,380**	**3,330**	**3,900**	**4,130**	**3,910**
Toluene	**800**	*160*	<50.0	<50.0	140	<17.2	<17.2
Trichloroethene	**5**	*0.5*	**6,480**	**5,650**	**8,300**	**6,700**	**6,770**
1,1,1-Trichloroethane	**200**	*40*	**7,780**	**5,430**	**9,100**	**6,980**	**5,860**
1,1,2-Trichloroethane	**5**	*0.5*	**21.1** J	<19.7	<20	<55.2	<55.2
Xylenes (Total)	**2,000**	*400*	<150.0	<150.0	137 J	<72.7	<72.7
Ethane	NSE		NA	NA	12	<0.58	<0.58
Ethene			NA	NA	<0.41	<0.52	<0.52
Methane			NA	NA	17	<1.4	<1.4
Total VOCs (µg/ℓ)	NSE	NSE	19,513	15,067	23,248	18,548	17,279
Other Constituents (mg/ℓ)							
Sulfate	**250**	*125*	66.2	NA	NA	57.8	43.3
Alkalinity, Total as $CaCO_3$	Not applicable		92.1	NA	NA	104	132
Iron, Dissolved	**0.3**	*0.15*	0.0548 J	NA	<0.015	0.0596	0.0471 J
Manganese, Dissolved	**0.05**	*0.0025*	**0.363**	NA	<0.16	**0.114**	**0.244**
Nitrogen (NO_2+NO_3)	Not applicable		1.6	NA	NA	NA	1.4
Total Organic Carbon	Not applicable		9.1	NA	NA	10.9	9.4
RNA Field Parameters (units as shown)							
Temp (^oC)	NSE		10.97	NA	NA	17.45	11.30
Cond. (mS/cm)			0.889	NA	NA	0.985	1.045
DO (mg/ℓ)			8.15	NA	NA	4.53	EE
pH			6.00	NA	NA	5.84	6.07
ORP (mV)			150.3	NA	NA	92.0	54.1

TABLE 25a

SUMMARY OF DETECTED COMPOUNDS IN W-32 (MAY 2017 - OCTOBER 2019)

Group (units)	NR 140	NR 140	Sample/Measurement Date				
Substance/Parameter	ES	PAL	03/27/19	05/22/19	10/22/19	10/22/19 DUP	
VOCs (µg/ℓ)							
Acetone	**9,000**	*1,800*	<46	<54	<62	<62	
2-Butanone	**4,000**	*800*	<29	<26	5.4 J	<5.2	
Chloroform	**6**	*0.6*	**26** J	**24** J	<4.6	<4.6	
1,1-Dichloroethane	**850**	*85*	*170*	*160*	33	29	
1,1-Dichloroethene	**7**	*0.7*	**810**	**450**	**75**	**67**	
cis-1,2-Dichloroethene	**70**	*7*	**290**	**350**	**180**	**160**	
1,2-Dicholopropane	**5**	*0.5*	**37** J	<24	<4.8	<4.8	
Ethylbenzene	**700**	*140*	<20	<17	<3.4	<3.4	
Methylene Chloride	**5**	*0.5*	<28	<43	<8.6	<8.6	
Tetrachloroethene	**5**	*0.5*	**4,100**	**4,300**	**2,800**	**2,500**	
Toluene	**800**	*160*	<18	<22	<4.5	<4.5	
Trichloroethene	**5**	*0.5*	**8,600**	**7,600**	**2,300**	**2,000**	
1,1,1-Trichloroethane	**200**	*40*	**9,400**	**8,600**	**2,100**	**2,000**	
1,1,2-Trichloroethane	**5**	*0.5*	<20	<23	<4.6	<4.6	
Xylenes (Total)	**2,000**	*400*	<67	<56	<11.2	<11.2	
Ethane	NSE		<0.21	<0.21	<1.5	NA	
Ethene			<0.41	<0.41	<2.7	NA	
Methane			4.0 J	<0.64	3.6 J	NA	
Total VOCs	NSE	NSE	23,437	21,484	7,497	6,756	
Other Constituents (mg/ℓ)							
Sulfate	**250**	*125*	87	65	11	NA	
Alkalinity, Total as $CaCO_3$	Not applicable		110	120	130	NA	
Iron, Dissolved	**0.3**	*0.15*	<0.015	NA	<0.050	NA	
Manganese, Dissolved	**0.05**	*0.0025*	**0.77**	NA	<0.0025	NA	
Nitrogen (NO_2+NO_3)	Not applicable		1.6	NA	4.0	NA	
Total Organic Carbon	Not applicable		14	15	8.2	NA	
RNA Field Parameters (units as shown)							
Temp (^oC)	NSE		NA	9.49	16.15	NA	
Cond. (mS/cm)			NA	1.243	0.348	NA	
DO (mg/ℓ)			NA	8.16	4.64	NA	
pH			NA	6.03	6.42	NA	
ORP (mV)			NA	108.9	91.8	NA	

TABLE 25a

SUMMARY OF DETECTED COMPOUNDS IN W-32 (MAY 2017 - OCTOBER 2019)

NOTES:

Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).

Detected concentrations at or above an applicable NR 140 PAL but less than an applicable ES are *italicized* .

Detected concentrations at or above an applicable NR 140 ES are in **bold**.

NR 140 ES/PAL values from WAC website - http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf, s. NR 140.10, Wis. Adm. Code, Table 1, Register Feb 2017 No. 734.

NR 140 ES and PALs for sulfate, iron, and manganese are Public Welfare Groundwater Quality Standards from Table 2 of NR 140.

There are methods for establishing groundwater standards for indicator parameters of alkalinity, conductivity, total organic carbon, and nitrogen; however, those relate to determining increases in their concentrations over background concentrations and are not applicable to this situation.

Cond. (mS/cm) = Conductivity in milliSiemens per centimeter.

DO (mg/ℓ) = Dissolved oxygen in milligrams per liter.

DUP = Duplicate sample.

EE = Equipment error; the DO probe was malfunctioning on 12/11/18

J = Reported value fell below the Limit of Quantitation set by the lab.

NA = Not analyzed.

NSE = No standard exists in NR 140 for this substance/group.

ORP (mV) = Oxidation reduction potential in millivolts.

Temp (^{o}C) = Temperature in degrees Celsius.

Total VOCs = Summation of the detected volatile organic compounds on the sample date shown.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 25b

SUMMARY OF DETECTED COMPOUNDS IN W-33 (MAY 2017 - OCTOBER 2019)

Group (units)	NR 140	NR 140	Sample/Measurement Date				
Substance/Parameter	ES	PAL	05/18/17	5/18/17 DUP	10/11/17	5/10/18	09/06/18
VOCs (µg/ℓ)							
Acetone	**9000**	1,800	<369	<369	<369	40	<343
Benzene	**5**	0.5	<62.5	<62.5	<62.5	3.7	<30.8
2-Butanone (MEK)	**4000**	800	<372	<372	<372	<0.58	<367
sec-Butylbenzene	NSE	NSE	<273	<273	<273	0.86 J	<106
Chlorobenzene	NSE	NSE	<62.5	<62.5	<62.5	1.1	<88.9
Chloroform	**6**	0.6	<312	<312	<312	**16**	<159
Chloroethane	**400**	80	180	212	<46.8	<0.29	198 J
Chloromethane	**30**	3	<62.5	<62.5	<62.5	0.40 J	<274
1,1-Dichloroethane	**850**	85	**3,110**	**3,310**	**2,280**	**2,000**	**2,270**
1,2-Dichloroethane	**5**	0.5	**21.3** J	<21.0	<21.0	**16**	<35.0
1,1-Dichloroethene	**7**	0.7	**78.2** J	**95.9** J	**100** J	**61**	**87.1** J
cis-1,2-Dichloroethene	**70**	7	**8,800**	**9,650**	**8,640**	**8,900**	**9,810**
1,2-Dichlorobenzene	**600**	60	<62.5	<62.5	<62.5	12	<88.2
1,3-Dichlorobenzene	**600**	120	<62.5	<62.5	<62.5	0.85 J	<78.5
1,4-Dichlorobenzene	**75**	15	<62.5	<62.5	<62.5	2.2	<118
Dichlorodifluoromethane	**1000**	200	<28.0	<28.0	<28.0	1.9	<62.5
trans-1,2-Dichloroethene	**100**	20	39.6 J	43.2 J	39.2 J	99	<136
1,2-Dichloropropane	**5**	0.5	<29.1	<29.1	<29.1	**15**	<35.3
Ethylbenzene	**700**	140	<62.5	<62.5	<62.5	98	100 J
Isopropylbenzene	NSE	NSE	<17.9	<17.9	<17.9	6.5	<49.1
p-Isopropyltoluene	NSE	NSE	<62.5	<62.5	<62.5	1.7	<100
4-Methyl-2-pentanone	**500**	50	<268	<268	<268	51	<191
Methylene Chloride	**5**	0.5	**52.9** J	**60.7** J	<29.1	**220**	**297** J
Methyl tert-butyl ether	**60**	12	<21.8	<21.8	<21.8	2.6	<156
Naphthalene	**100**	10	<312	<312	<312	10	<147
n-Propylbenzene	NSE	NSE	<62.5	<62.5	<62.5	8.4	<101
Tetrachloroethene	**5**	0.5	**214**	**210**	<62.5	**280**	**293**
Toluene	**800**	160	<62.5	<62.5	<62.5	160	120 J
Trichloroethene	**5**	0.5	**215**	**199**	**62.1** J	**260**	**212**
1,1,1-Trichloroethane	**200**	40	**4,330**	**4,910**	**2,230**	**2,000**	**2,590**
1,1,2-Trichloroethane	**5**	0.5	**34.8** J	**29.1** J	<24.7	**18**	<69.0
Trimethylbenzenes, Total	**480**	96	<125	<125	<125	102	<214
Vinyl chloride	**0.2**	0.02	**88.9** J	**96.2** J	**221**	**160**	**212**
Xylenes (Total)	**2,000**	400	<187.5	<187.5	<223.2 J	490	440 J
Ethane	NSE		NA	NA	NA	8.7	1.5 J
Ethene			NA	NA	NA	39	6.4
Methane			NA	NA	NA	73	11.6
Total VOCs (µg/ℓ)	NSE	NSE	17,165	18,816	13,572	15,159	16,649
Other Constituents (mg/ℓ)							
Sulfate	**250**	125	25.8	NA	NA	NA	39.4
Alkalinity, Total as $CaCO_3$	Not applicable		266	NA	NA	NA	256
Iron, Dissolved	**0.3**	0.15	**24.5**	NA	NA	**120**	**54.5**
Manganese, Dissolved	**0.05**	0.0025	**1.18**	NA	NA	**7.5**	**4.12**
Nitrogen (NO_2+NO_3)	Not applicable		<0.095	NA	NA	NA	NA
Total Organic Carbon	Not applicable		15.1	NA	NA	NA	10.8
RNA Field Parameters (units as shown)							
Temp (^oC)	NSE		10.88	NA	NA	NA	17.16
Cond. (mS/cm)			1.250	NA	NA	NA	6.039
DO (mg/ℓ)			8.27	NA	NA	NA	1.63
pH			6.45	NA	NA	NA	6.31
ORP (mV)			-45.4	NA	NA	NA	23.8

TABLE 25b

SUMMARY OF DETECTED COMPOUNDS IN W-33 (MAY 2017 - OCTOBER 2019)

Group (units)	NR 140	NR 140	Sample/Measurement Date				
Substance/Parameter	ES	PAL	12/11/18	03/27/19	10/22/19		
VOCs (µg/ℓ)							
Acetone	**9000**	1,800	<137	1,700	<62		
Benzene	**5**	0.5	<12.3	<3.0	**5.0** J		
2-Butanone (MEK)	**4000**	800	<147	180	13 J		
sec-Butylbenzene	NSE	NSE	<42.4	<2.9	<3.0		
Chlorobenzene	NSE	NSE	<35.5	6.0 J	<4.0		
Chloroform	**6**	0.6	<63.7	**13**	**19**		
Chloroethane	**400**	80	<67.1	60	310		
Chloromethane	**30**	3	<109	<1.7	<8.3		
1,1-Dichloroethane	**850**	85	**1,220**	**550**	**2,100**		
1,2-Dichloroethane	**5**	0.5	**14.5** J	<1.7	**12** J		
1,1-Dichloroethene	**7**	0.7	**37.2** J	**12**	**70**		
cis-1,2-Dichloroethene	**70**	7	**3,240**	**2,400**	**4,500**		
1,2-Dichlorobenzene	**600**	60	<35.3	<2.2	<3.2		
1,3-Dichlorobenzene	**600**	120	<31.4	<2.9	<3.3		
1,4-Dichlorobenzene	**75**	15	<47.2	<2.1	<3.5		
Dichlorodifluoromethane	**1000**	200	<25.0	<1.3	<6.8		
trans-1,2-Dichloroethene	**100**	20	<54.5	11	30		
1,2-Dichloropropane	**5**	0.5	<14.1	4.7 J	**14** J		
Ethylbenzene	**700**	140	225	10 J	6.8 J		
Isopropylbenzene	NSE	NSE	<19.6	<3.1	<3.5		
p-Isopropyltoluene	NSE	NSE	<40.0	<1.4	<2.6		
4-Methyl-2-pentanone	**500**	50	<76.6	<1.1	<5.2		
Methylene Chloride	**5**	0.5	**92.2** J	**85**	**33**		
Methyl tert-butyl ether	**60**	12	<62.3	3.1 J	<4.5		
Naphthalene	**100**	10	<58.8	<1.8	<7.7		
n-Propylbenzene	NSE	NSE	<40.5	<2.4	<4.8		
Tetrachloroethene	**5**	0.5	**19.5** J	**1,200**	**190**		
Toluene	**800**	160	284	15	6.5 J		
Trichloroethene	**5**	0.5	<12.8	**790**	**120**		
1,1,1-Trichloroethane	**200**	40	**686**	**1,100**	**2,500**		
1,1,2-Trichloroethane	**5**	0.5	<27.6	<4.0	**23**		
1,2,4-Trimethylbenzene	NSE	NSE	95.7 J	5.1 J	8.5 J		
1,3,5-Trimethylbenzene	NSE	NSE	<43.7	<2.9	<6.5		
Trimethylbenzenes, Total	**480**	96	<139.4 J	<8.0 J	<15.0 J		
Vinyl chloride	**0.2**	0.02	**218**	**23**	**66**		
Xylenes (Total)	**2,000**	400	723	41 J	35 J		
Ethane	NSE		5.1 J	<0.21	1.8 J		
Ethene			15.6	<0.41	<2.7		
Methane			20.2	5.5	7.4		
Total VOCs (µg/ℓ)	NSE	NSE	6,896	8,214	10,071		
Other Constituents (mg/ℓ)							
Sulfate	**250**	125	NA	NA	55		
Alkalinity, Total as $CaCO_3$	Not applicable		NA	NA	190		
Iron, Dissolved	**0.3**	0.15	NA	NA	**10**		
Manganese, Dissolved	**0.05**	0.0025	NA	NA	**2.1**		
Nitrogen (NO_2+NO_3)	Not applicable		NA	NA	0.017 J		
Total Organic Carbon	Not applicable		NA	NA	34		
RNA Field Parameters (units as shown)							
Temp (^oC)	NSE		11.56	NA	15.43		
Cond. (mS/cm)			1.349	NA	3.881		
DO (mg/ℓ)			EE	NA	0.84		
pH			6.40	NA	6.23		
ORP (mV)			-90.0	NA	-20.7		

TABLE 25b

SUMMARY OF DETECTED COMPOUNDS IN W-33 (MAY 2017 - OCTOBER 2019)

NOTES:

Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).

Detected concentrations at or above an applicable NR 140 PAL but less than an applicable ES are underlined.

Detected concentrations at or above an applicable NR 140 ES are in bold.

NR 140 ES/PAL values from WAC website - http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf, s. NR 140.10, Wis. Adm. Code, Table 1, Register Feb 2017 No. 734.

NR 140 ES and PALs for sulfate, iron, and manganese are Public Welfare Groundwater Quality Standards from Table 2 of NR 140.

There are methods for establishing groundwater standards for indicator parameters of alkalinity, conductivity, total organic carbon, and nitrogen; however, those relate to determining increases in their concentrations over background concentrations and are not applicable to this situation.
Cond. (mS/cm) = Conductivity in milliSiemens per centimeter.
DO (mg/ℓ) = Dissolved oxygen in milligrams per liter.
DUP = Duplicate sample.
EE = Equipment error; the DO probe was malfunctioning on 12/11/18
J = Reported value fell below the Limit of Quantitation set by the lab.
NA = Not analyzed.
NSE = No standard exists in NR 140 for this substance/group.
ORP (mV) = Oxidation reduction potential in millivolts.
Temp (^{o}C) = Temperature in degrees Celsius.
Total VOCs = Summation of the detected volatile organic compounds on the sample date shown.

Gannett Fleming

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 25c

SUMMARY OF DETECTED COMPOUNDS IN W-34 (AUGUST 2017 - OCTOBER 2019)

Group (units)	NR 140	NR 140	Sample/Measurement Date				
Substance/Parameter	**ES**	**PAL**	**08/01/17**	**10/11/17**	**10/11/17 DUP**	**05/09/18**	**08/15/18**
VOCs (µg/ℓ)							
Acetone	**9000**	1,800	<738	<369	<369	<46	<343
Benzene	**5**	0.5	<125	<62.5	<62.5	<15	<30.8
Chloroethane	**400**	80	<93.6	<46.8	<46.8	<15	<168
Chloroform	**6**	0.6	<625	<312	<312	**96**	<159
1,1-Dichloroethane	**850**	85	**994**	**1,420**	**1,510**	**1,200**	**2,110**
1,2-Dichloroethane	**5**	0.5	**135** J	**134**	**128**	**140**	**107** J
1,1-Dichloroethene	**7**	0.7	**2,440**	**2,150**	**2,470**	**1,900**	**2,040**
cis-1,2-Dichloroethene	**70**	7	**23,800**	**28,900**	**29,800**	**7,800**	**35,200**
trans-1,2-Dichloroethene	**100**	20	<64.1	<32.1	<32.1	<14	<136
1,2-Dichlorobenzene	**600**	60	<125	83.8 J	86.7 J	48	<88.2
1,2-Dichloropropane	**5**	0.5	**367**	**413**	**403**	**340**	**255**
Ethylbenzene	**700**	140	<125	<62.5	<62.5	110	<27.3
4-Methyl-2-pentanone	**500**	50	<535	<268	<268	68	<191
Methylene Chloride	**5**	0.5	**704**	**1,640**	**1,670**	**3,300**	**1,150**
Tetrachloroethene	**5**	0.5	**3,190**	**5,440**	**5,850**	**9,800**	**46.0** J
Toluene	**800**	160	<125	213	195	**800**	302 J
Trichloroethene	**5**	0.5	**17,900**	**24,900**	**26,000**	**39,000**	**1,530**
1,1,1-Trichloroethane	**200**	40	**30,900**	**28,300**	**31,000**	**31,000**	**1,620**
1,1,2-Trichloroethane	**5**	0.5	**937**	**1,140**	**1,010**	**870**	**632**
Vinyl chloride	**0.2**	0.02	<43.9	<21.9	<21.9	<10	**103** J
m,p-Xylenes	NSE	NSE	<250	<125	<125	390	<58.2
o-Xylene	NSE	NSE	<125	105 J	120 J	250	<32.7
Xylenes (Total)	**2,000**	400	<375	<230 J	<245 J	640	<90.9
Ethane	NSE		0.76 J	NA	NA	<0.21	NA
Ethene			0.57 J	NA	NA	3.8 J	NA
Methane			<1.4	NA	NA	9.8	NA
Total VOCs (µg/ℓ)	NSE	NSE	81,368	94,839	100,243	97,126	45,095
Other Constituents (mg/ℓ)							
Sulfate	**250**	125	53.4	NA	NA	NA	NA
Alkalinity, Total as $CaCO_3$	Not applicable		76.8	NA	NA	NA	NA
Iron, Dissolved	**0.3**	0.15	**19.4**	NA	NA	**1.1**	NA
Manganese, Dissolved	**0.05**	0.0025	NA	NA	NA	**4.4**	NA
Nitrogen (NO_2+NO_3)	Not applicable		NA	NA	NA	0.30	NA
Total Organic Carbon	Not applicable		NA	NA	NA	28	NA
RNA Field Parameters (units as shown)							
Temp (^oC)	NSE		NA	14.78	NA	13.80	13.68
Cond. (mS/cm)			NA	4.924	NA	6.067	6.001
DO (mg/ℓ)			NA	3.68	NA	8.23	0.46
pH			NA	5.64	NA	5.23	5.84
ORP (mV)			NA	183.5	NA	142.7	-92.2

TABLE 25c

SUMMARY OF DETECTED COMPOUNDS IN W-34 (AUGUST 2017 - OCTOBER 2019)

Group (units)	NR 140	NR 140	Sample/Measurement Date				
Substance/Parameter	ES	PAL	09/06/18	12/11/18	03/27/19	05/23/19	10/23/19
VOCs (µg/ℓ)							
Acetone	**9000**	1,800	<343	<343	110	<11	<310
Benzene	**5**	0.5	<30.8	<30.8	<30	**5.7** J	<23
Chloroethane	**400**	80	<168	<168	<29	6.9 J	<34
Chloroform	**6**	0.6	<159	<159	**44** J	**43**	**32** J
1,1-Dichloroethane	**850**	85	**1,720**	**2,110**	**1,400**	810	**1,100**
1,2-Dichloroethane	**5**	0.5	**102** J	**100** J	<17	**63**	**72** J
1,1-Dichloroethene	**7**	0.7	**1,190**	**787**	**1,100**	**820**	**430**
cis-1,2-Dichloroethene	**70**	7	**32,400**	**25,600**	**31,000**	**27,000**	**17,000**
trans-1,2-Dichloroethene	**100**	20	<136	<136	<28	**310**	<24
1,2-Dichlorobenzene	**600**	60	<88.2	<88.2	<22	4.4 J	<16
1,2-Dichloropropane	**5**	0.5	**207**	**196**	**220**	**180**	**140**
Ethylbenzene	**700**	140	<27.3	36.3 J	61	68	34 J
4-Methyl-2-pentanone	**500**	50	<191	<191	<11	59	45 J
Methylene Chloride	**5**	0.5	**1,080**	**636**	**390**	**230**	**350**
Tetrachloroethene	**5**	0.5	<40.8	<40.8	**200**	**520**	<20
Toluene	**800**	160	82.3 J	53.5 J	56	32	48 J
Trichloroethene	**5**	0.5	**110** J	<31.9	**240**	**800**	<22
1,1,1-Trichloroethane	**200**	40	**2,830**	**5,080**	**9,300**	**9,600**	**3,900**
1,1,2-Trichloroethane	**5**	0.5	**588** J	**509** J	**800**	**600**	**600**
Vinyl chloride	**0.2**	0.02	**66.6** J	**2,890**	**3,400**	**3,800**	**4,800**
m,p-Xylenes	NSE	NSE	<58.2	66.6 J	170	190	94 J
o-Xylene	NSE	NSE	<32.7	37.6 J	72	93	42 J
Xylenes (Total)	**2,000**	400	<90.9	104.2 J	242	283	136 J
Ethane	NSE		32.1	17.6	16	52	36
Ethene			30.2	3,080	600	270	1,500
Methane			18.0	<1.4	<0.64	6.4	10
Total VOCs (µg/ℓ)	NSE	NSE	40,456	41,200	49,179	45,563	30,233
Other Constituents (mg/ℓ)							
Sulfate	**250**	125	10.1 J	13.8 J	12	23	2.0 J
Alkalinity, Total as $CaCO_3$	Not applicable		194	87.2	120	91	250
Iron, Dissolved	**0.3**	0.15	**131**	**156**	**99**	NA	**88**
Manganese, Dissolved	**0.05**	0.0025	**7.97**	**7.28**	**6.0**	NA	**4.8**
Nitrogen (NO_2+NO_3)	Not applicable		NA	ND	0.15	NA	0.090
Total Organic Carbon	Not applicable		75.0	50.4	35	37	76
RNA Field Parameters (units as shown)							
Temp (°C)	NSE		15.40	12.15	NA	9.94	16.82
Cond. (mS/cm)			5.668	6.076	NA	6.658	5.878
DO (mg/ℓ)			0.47	EE	NA	1.78	1.74
pH			6.48	6.66	NA	6.27	6.47
ORP (mV)			-44.3	-158.6	NA	-161.1	-111.3

TABLE 25c

SUMMARY OF DETECTED COMPOUNDS IN W-34 (AUGUST 2017 - OCTOBER 2019)

NOTES:

Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).

Detected concentrations at or above an applicable NR 140 PAL but less than an applicable ES are underlined.

Detected concentrations at or above an applicable NR 140 ES are in bold.

NR 140 ES/PAL values from WAC website - http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf, s. NR 140.10, Wis. Adm. Code, Table 1, Register Feb 2017 No. 734.

NR 140 ES and PALs for sulfate, iron, and manganese are Public Welfare Groundwater Quality Standards from Table 2 of NR 140.

There are methods for establishing groundwater standards for indicator parameters of alkalinity, conductivity, total organic carbon, and nitrogen; however, those relate to determining increases in their concentrations over background concentrations and are not applicable to this situation.

Cond. (mS/cm) = Conductivity in milliSiemens per centimeter.

DO (mg/ℓ) = Dissolved oxygen in milligrams per liter.

DUP = Duplicate sample.

EE = Equipment error; the DO probe was malfunctioning on 12/11/18

J = Reported value fell below the Limit of Quantitation set by the lab.

NA = Not analyzed.

NSE = No standard exists in NR 140 for this substance/group.

ORP (mV) = Oxidation reduction potential in millivolts.

Temp (^{o}C) = Temperature in degrees Celsius.

Total VOCs = Summation of the detected volatile organic compounds on the sample date shown.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 25d

SUMMARY OF DETECTED COMPOUNDS IN SVE-4 (MAY 2017 - OCTOBER 2019)

Group (units)	NR 140	NR 140	Sample/Measurement Date				
Substance/Parameter	**ES**	**PAL**	**06/05/18**	**08/15/18**	**09/06/18**	**12/11/18**	**03/27/19**
VOCs (µg/ℓ)							
Acetone	**9000**	1,800	6,880 J	<1,100	<1,100	<274	<46
1,2-Dichlorobenzene	**600**	60	<312	<282	<282	<70.5	26
1,1-Dichloroethane	**850**	85	**2,270**	**1,070**	**995**	668	290
1,2-Dichloroethane	**5**	0.5	**338** J	<112	<112	**120**	<8.3
1,1-Dichloroethene	**7**	0.7	**2,160**	**127** J	**255** J	**65.9** J	**91**
cis-1,2-Dichloroethene	**70**	7	**82,300**	**23,700**	**21,500**	**17,400**	**2,100**
1,2-Dichloropropane	**5**	0.5	**445** J	<113	<113	**59.9** J	**72**
4-Methyl-2-pentanone	**500**	50	**4,170**	<613	<613	<153	<5.7
Methylene Chloride	**5**	0.5	**4,680**	**728** J	**1,620** J	**449** J	**890**
Methyl tert-butyl ether	**60**	12	<109	<498	<498	<125	30
Tetrachloroethene	**5**	0.5	**15,600**	**551**	**518**	**70.5** J	**5,500**
Toluene	**800**	160	515 J	<68.8	69.2 J	62.5 J	33
Trichloroethene	**5**	0.5	**13,200**	**341** J	**339** J	**151**	**14,000**
1,1,1-Trichloroethane	**200**	40	**29,800**	**315** J	**456**	**302**	**4,200**
1,1,2-Trichloroethane	**5**	0.5	**8,180**	<221	<221	**1,300**	**2,400**
Vinyl chloride	**0.2**	0.02	**152** J	**164** J	**259** J	**669**	**100**
m,p-Xylenes	NSE	NSE	<625	<186	<186	<46.5	<49
o-Xylene	NSE	NSE	<312	<105	<105	71.8 J	38
Xylenes (Total)	**2,000**	400	<938	<600	<600	<150	<66
Ethane	NSE		NA	NA	306	4.3 J	<0.21
Ethene			NA	NA	409	10.3	260
Methane			NA	NA	160	177	380
Total VOCs (µg/ℓ)	NSE	NSE	170,690	26,996	26,886	21,581	30,410
Other Constituents (mg/ℓ)							
Sulfate	**250**	125	NA	NA	<5.0	NA	NA
Alkalinity, Total as $CaCO_3$	Not applicable		NA	NA	355	NA	NA
Iron, Dissolved	**0.3**	0.15	NA	NA	**689**	NA	NA
Manganese, Dissolved	**0.05**	0.0025	NA	NA	**9.81**	NA	NA
Nitrogen (NO_2+NO_3)	Not applicable		NA	NA	NA	NA	NA
Total Organic Carbon	Not applicable		NA	NA	2,570	NA	NA
RNA Field Parameters (units as shown)							
Temp (^oC)	NSE		20.5	14.93	14.81	11.78	NA
Cond. (mS/cm)			1.462	3.867	3.544	3.026	NA
DO (mg/ℓ)			1.65	0.30	1.68	EE	NA
pH			6.8	5.9	6.28	6.59	NA
ORP (mV)			-155.7	-112.9	-54.1	-129.4	NA

TABLE 25d

SUMMARY OF DETECTED COMPOUNDS IN SVE-4 (MAY 2017 - OCTOBER 2019)

Group (units)	NR 140	NR 140	Sample/Measurement Date				
Substance/Parameter	**ES**	**PAL**	**07/02/19**	**10/23/19**			
VOCs (µg/ℓ)							
Acetone	**9000**	1,800	<274	<160			
1,2-Dichlorobenzene	**600**	60	<70.5	<8.0			
1,1-Dichloroethane	**850**	85	227	140			
1,2-Dichloroethane	**5**	0.5	<28.0	**23** J			
1,1-Dichloroethene	**7**	0.7	<24.5	**38**			
cis-1,2-Dichloroethene	**70**	7	**4,580**	**890**			
1,2-Dichloropropane	**5**	0.5	<28.3	<12			
4-Methyl-2-pentanone	**500**	50	<153	<13			
Methylene Chloride	**5**	0.5	<58.1	**200**			
Methyl tert-butyl ether	**60**	12	<125	21 J			
Tetrachloroethene	**5**	0.5	**810**	**5,300**			
Toluene	**800**	160	<17.2	26 J			
Trichloroethene	**5**	0.5	**1,830**	**9,900**			
1,1,1-Trichloroethane	**200**	40	**1,360**	**4,500**			
1,1,2-Trichloroethane	**5**	0.5	**1,140**	**1,100**			
Vinyl chloride	**0.2**	0.02	**246**	<13			
m,p-Xylenes	NSE	NSE	<46.5	<20			
o-Xylene	NSE	NSE	<26.2	26 J			
Xylenes (Total)	**2,000**	400	<150	50 J			
Ethane	NSE		10.2	2.8 J			
Ethene			75.8	<2.7			
Methane			47.6	<3.3			
Total VOCs (µg/ℓ)	NSE	NSE	10,327	22,191			
Other Constituents (mg/ℓ)							
Sulfate	**250**	125	7.3 J	22			
Alkalinity, Total as $CaCO_3$	Not applicable		140	340			
Iron, Dissolved	**0.3**	0.15	**14.3**	**2.6**			
Manganese, Dissolved	**0.05**	0.0025	**1.51**	**0.23**			
Nitrogen (NO_2+NO_3)	Not applicable		NA	0.11			
Total Organic Carbon	Not applicable		64.8	220			
RNA Field Parameters (units as shown)							
Temp (^oC)	NSE		NA	13.53			
Cond. (mS/cm)			2.280	1.361			
DO (mg/ℓ)			0.82	4.71			
pH			6.8	7.09			
ORP (mV)			-93	16.2			

TABLE 25d

SUMMARY OF DETECTED COMPOUNDS IN SVE-4 (MAY 2017 - OCTOBER 2019)

NOTES:

Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).
Detected concentrations at or above an applicable NR 140 PAL but less than an applicable ES are underlined.
Detected concentrations at or above an applicable NR 140 ES are in bold.
NR 140 ES/PAL values from WAC website - http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf, s. NR 140.10, Wis. Adm. Code, Table 1, Register Feb 2017 No. 734.
NR 140 ES and PALs for sulfate, iron, and manganese are Public Welfare Groundwater Quality Standards from Table 2 of NR 140.

There are methods for establishing groundwater standards for indicator parameters of alkalinity, conductivity, total organic carbon, and nitrogen; however, those relate to determining increases in their concentrations over background concentrations and are not applicable to this situation.
Cond. (mS/cm) = Conductivity in milliSiemens per centimeter.
DO (mg/ℓ) = Dissolved oxygen in milligrams per liter.
EE = Equipment error; the DO probe was malfunctioning on 12/11/18
J = Reported value fell below the Limit of Quantitation set by the lab.
NA = Not analyzed.
NSE = No standard exists in NR 140 for this substance/group.
ORP (mV) = Oxidation reduction potential in millivolts.
Temp (^{o}C) = Temperature in degrees Celsius.
Total VOCs = Summation of the detected volatile organic compounds on the sample date shown.

Gannett Fleming

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 26

SUMMARY OF COMPOUNDS DETECTED IN W-35 (OCTOBER 2018 - OCTOBER 2019)

Group (units)	NR 140	NR 140	Sample/Measurement Date				
Substance/Parameter	ES	PAL	10/25/18	03/27/19	05/22/19	10/22/19	10/22/19 DUP
VOCs (µg/ℓ)							
Acetone	**9000**	*1,800*	19 J	<1.8	4.6	67 J	62 J
Chloroform	**6**	*0.6*	<2.6	**6.8**	*3.9*	*5.7* J	*5.4* J
Chloromethane	**30**	*3*	*11*	<0.34	<0.83	<4.2	<4.2
1,1-Dichloroethane	**850**	*85*	43	54	32	71	69
1,1-Dichloroethene	**7**	*0.7*	**10**	**8.7**	**8.2**	*6.5* J	*5.4* J
1,2-Dichloroethane	**5**	*0.5*	<0.17	<0.33	*0.53* J	<2.2	<2.2
cis-1,2-Dichloroethene	**70**	*7*	**260**	**350**	**200**	**670**	**670**
trans-1,2-Dichloroethene	**100**	*20*	<2.8	2.8	3.7	3.0 J	3.2 J
1,2-Dichloropropane	**5**	*0.5*	<2.5	*2.0*	*0.81* J	<2.4	<2.4
Ethylbenzene	**700**	*140*	<0.4	<0.81	0.38 J	<1.7	<1.7
Methylene Chloride	**5**	*0.5*	<5.6	**8.5**	*2.5* J	<4.3	<4.3
Methyl Ethyl Ketone	**4000**	*800*	<0.58	<1.2	6.2	<2.6	<2.6
Methyl tert-butyl ether	**60**	*12*	<1.2	2.1	11	<2.2	<2.2
2-Propanol	**3,000**[1]		<330	<66	<33	340 J	340 J
Tetrachloroethene	**5**	*0.5*	**490**	**470**	**380**	**9.4**	**7.8**
Toluene	**800**	*160*	<0.37	<0.73	5.3	<2.2	<2.2
Trichloroethene	**5**	*0.5*	**240**	**220**	**190**	**31**	**26**
1,1,1-Trichloroethane	**200**	*40*	**300**	**200**	**200**	*71*	*59*
1,1,2-Trichloroethane	**5**	*0.5*	<4.0	<0.80	<0.46	*4.0* J	*3.8* J
Vinyl chloride	**0.2**	*0.02*	<2.0	<0.41	<0.53	**3.6** J	**3.8** J
m,p-Xylenes	NSE	NSE	<0.98	<2.0	0.95 J	<4.0	<4.0
o-Xylene	NSE	NSE	<0.35	<0.71	0.32 J	<1.6	<1.6
Xylenes (combined)	**2,000**	*400*	<1.35	<2.71	1.27 J	<5.6	<5.6
Ethane	NSE		NA	<0.21	NA	9.2	NA
Ethene			NA	<0.41	NA	4.8 J	NA
Methane			NA	6.1	NA	16	NA
Total VOCs (µg/ℓ)	NSE	NSE	1,373	1,331	1,050	1,312	1,255
Other Constituents (mg/ℓ)							
Sulfate	**250**	*125*	NA	41	NA	6.6	NA
Alkalinity, Total as $CaCO_3$	Not applicable		NA	57	NA	360	NA
Iron, Dissolved	**0.3**	*0.15*	NA	**0.41**	NA	**41**	NA
Manganese, Dissolved	**0.05**	*0.0025*	NA	**3.7**	NA	**1.5**	NA
Nitrogen (NO_2+NO_3)	Not applicable		NA	8.3	NA	0.054	NA
Total Organic Carbon	Not applicable		NA	4.0	NA	76	NA
RNA Field Parameters (units as shown)							
Temp (°C)	NSE		NA	NA	10.88	14.00	NA
Cond. (mS/cm)			NA	NA	6.023	5.133	NA
DO (mg/ℓ)			NA	NA	8.28	0.81	NA
pH			NA	NA	5.42	6.93	NA
ORP (mV)			NA	NA	188.6	-151.4	NA

TABLE 26

SUMMARY OF COMPOUNDS DETECTED IN W-35 (OCTOBER 2018 - OCTOBER 2019)

NOTES:

Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).

Detected concentrations at or above an applicable NR 140 PAL but less than an applicable ES are *italicized*.

Detected concentrations at or above an applicable NR 140 ES are in **bold**.

NR 140 ES/PAL values from WAC website - http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf, s. NR 140.10, Wis. Adm. Code, Table 1, Register Feb 2017 No. 734.

NR 140 ES and PALs for sulfate, iron, and manganese are Public Welfare Groundwater Quality Standards from Table 2 of NR 140.

There are methods for establishing groundwater standards for indicator parameters of alkalinity, conductivity, total organic carbon, and nitrogen; however, those relate to determining increases in their concentrations over background concentrations and are not applicable to this situation.

Cond. (mS/cm) = Conductivity in milliSiemens per centimeter.

DO (mg/ℓ) = Dissolved oxygen in milligrams per liter.

DUP = Duplicate sample.

EE = Equipment error; the DO probe was malfunctioning on 12/11/18

J = Reported value fell below the Limit of Quantitation set by the lab.

NA = Not analyzed.

NSE = No standard exists in NR 140 for this substance/group.

ORP (mV) = Oxidation reduction potential in millivolts.

Temp (^{o}C) = Temperature in degrees Celsius.

Total VOCs = Summation of the detected volatile organic compounds on the sample date shown.

Xylenes (combined) = summation of the m-, p-, and o-xylene isomers.

FOOTNOTE:

(1) There is no NR 140 PAL or ES for 2-propanol (aka isopropyl alcohol). The WDNR recommends using the health advisory limit of 3,000 ppb based on a 10^{-6} cancer risk per http://dnr.wi.gov/topic/drinkingwater/documents/haltable.pdf.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 27

GROUNDWATER DNA ANALYSIS SUMMARY

Sample ID & Date	Dehalococcoides DHC	tceA R-Dase TCE	BAV1 VC R-Dase BVC	VC R-Dase VCR	Dehalobacter spp. DHBt
SVE-4					
09/06/18	**1.09E+02**	**6.74E+01**	**9.80E+00**	**1.27E+01**	**2.36E+04**
07/02/19	**7.62E+05**	**2.95E+02**	**7.12E+03**	**7.32E+04**	**3.09E+04**
W-32					
05/09/18	<2.60E+00	<2.60E+00	<2.60E+00	<2.60E+00	<2.63E+01
09/06/18	<5.00E-01	<5.00E-01	<5.00E-01	<5.00E-01	<4.80E+00
12/11/18	**2.00E-0.1(J)**	<5.00E-01	<5.00E-01	<5.00E-01	<4.60E+00
03/27/19	<5.00E-01	<5.00E-01	<5.00E-01	<5.00E-01	**3.30+00 (J)**
05/23/19	**3.00E-01 (J)**	**1.00E-01 (J)**	<5.00E-01	**1.00E-01 (J)**	<5.00E+00
10/22/19	<5.00E-01	<5.00E-01	<5.00E-01	<5.00E-01	<4.70E+00
W-33					
09/06/18	**6.75E+03**	**3.80E+00**	**8.49E+02**	**7.42E+02**	**1.93E+03**
W-34					
05/09/18	<5.30E+00	<5.30E+00	<5.30E+00	<5.30E+00	**8.15E+02**
09/06/18	**4.16E+01**	**2.56E+01**	**2.00E+00**	**3.70E+00**	**6.59E+05**
12/11/18	**2.46E+06**	**1.70E+06**	**7.05E+05**	**2.32E+06**	**8.87E+05**
03/27/19	**3.17E+05**	**4.49E+05**	**3.66E+03**	**3.12E+05**	**7.00E+04**
05/23/19	**2.69E+06**	**3.17E+05**	**1.06E+05**	**3.13E+05**	**8.96E+04**
W-35					
03/27/19	**2.00E+00**	**5.00E-01 (J)**	<1.50E+00	**4.40E+00**	<1.52E+01
10/22/19	**5.88E+02**	**5.33E+01**	<5.00E-01	**6.38E+01**	**7.04E+04**

NOTES:
Results are in cells per milliliter (cells/mL).
Concentrations in bold signify detection by laboratory.
DNA = Deoxyribonucleic acid.
J = Estimated gene copies below PQL but above LQL.
NA = Not analyzed.
R-Dase = Reductase.
VC = Vinyl chloride.

Gannett Fleming

WRR ENVIRONMENTAL SERVICES, CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 28

EVALUATION OF REDUCTIVE DECHLORINATION STATUS IN W-32 THROUGH W-35 & SVE-4

Parameter	Units	Measured Value[1]	Points[1]	Well ID - Measurement/Results - & RNA Score									
				W-32		W-33		W-34		W-35		SVE-4	
DO	mg/L	<0.5	3	4.64	0	0.84	0	1.74	0	0.81	0	4.71	0
		>5.0	-3										
ORP	mV	<50	1	91.8	0	-20.7	1	-111.3	2	-151.4	2	16.2	1
		<-100	2										
pH	s.u.	5 < pH < 9	0	6.42	0	6.23	0	6.47	0	6.93	0	7.09	0
		5 > pH > 9	-2										
Temperature	°C	>20	1	16.2	0	15.4	0	16.8	0	14.0	0	13.5	0
Alkalinity	mg/L	>114[2]	1	130	1	190	1	250	1	360	1	340	1
Diss. Iron	mg/L	>1	3	<0.050	0	10	3	88	3	41	3	2.6	3
Diss. Manganese	mg/L	>1	2	<0.0025	0	2.1	2	4.8	2	1.5	2	0.23	0
Sulfate	mg/L	<20	2	11	2	55	0	2.0	2	6.6	2	22	0
Nitrate	mg/L	<1	2	4.0	0	0.017	2	0.09	2	0.054	2	0.11	2
TOC	mg/L	>20	2	8.2	0	34	2	76	2	76	2	220	2
1,1 or 1,2-DCE	Present (as daughter prod.)		2	D	2	D	2	D	2	D	2	D	2
Vinyl Chloride	Present (as daughter prod.)		2	ND	0	D	2	D	2	D	2	ND	0
DCA	Present (as daughter prod.)		2	D	2	D	2	D	2	D	2	D	2
Chloroethane	Present (as daughter prod.)		2	ND	0	D	2	ND	0	ND	0	ND	0
Chloroform	Present (as daughter prod.)		2	ND	0	D	2	D	2	D	2	ND	0
Dichloromethane	Present (as daughter prod.)		2	ND	0	ND	0	ND	0	ND	0	ND	0
BETX	mg/L	>0.1	2	ND	0	0.053	0	0.218	2	ND	0	0.076	0
Ethene & Ethane	µg/L	>10	2	<4.2	0	1.8	0	1,536	3	14	2	2.8	0
		>100	3										
Methane	µg/L	>10	2	3.6	0	7.4	0	10	2	16	2	<3.3	0
		>1,000	3										
Total RNA Rating & Score[3]				Limited	7	Strong	21	Strong	29	Strong	26	Limited	13
DHC	cells/mL	<10	Poor	<0.5	P	6,750	M	2,690,000	G	588	M	762,000	G
		10 to 10,000	Moderate										
		≥10,000	Good										
DHBt	cells/mL	<10	Poor	<4.7	P	1,930	M	89,600	G	70,400	G	30,900	G
		10 to 10,000	Moderate										
		>10,000	Good										

NOTES:

DO – Dissolved oxygen; ORP – oxidation reduction potential; DCE - dichloroethene; DCA - dichloroethane; TOC – total organic carbon; BETX - benzene, ethylbenzene, toluene, and xylene; DHC – dehaloccocoides bacteria; DHBt – dehalobacter bacteria; s.u. – standard units for measuring pH; mV – millivolts for measuring ORP; mg/L – milligrams per liter; µg/L – micrograms per liter; D - Detected; ND - Not detected.

FOOTNOTES:

(1) The measured values and points used to score each RNA parameter taken from USEPA *Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water* – Weidemeier, et al, September 1998 and Minnesota Pollution Control Agency's June 2006 *Natural Attenuation of Chlorinated Solvents in Ground Water* guidance.

(2) The "optimal" alkalinity is twice the background concentration. The lowest “background” alkalinity as $CaCO_3$ of 57 mg/L measured in W-35 in March 2019 before injection activities occurred was used as the background alkalinity.

(3) Interpretation of RNA score taken from Table 2.4 of USEPA September 1998 guidance referenced above as follows:

Score	Interpretation
0 to 5	Inadequate evidence for anaerobic degradation/reductive dichlorination of chlorinated organics
6 to 14	Limited evidence for anaerobic degradation/reductive dichlorination of chlorinated organics
15 to 20	Adequate evidence for anaerobic degradation/reductive dichlorination of chlorinated organics
> 20	Strong evidence for anaerobic degradation/reductive dichlorination of chlorinated organics

(4) Ranges for DHC and DHBt taken from Microbial Insights DHC Interpretation guide included with DHC/DHBt laboratory reports and are based on *Relationship between Dehalococcoides DNA in ground water and rates of reductive dichlorination at field scale* - Xiaoxia Lu, et. al. - Water Research - Vol 40, Issue 16 - September 2006.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 29

SUMMARY OF VOCs DETECTED IN SOIL GAS SAMPLES

Detected Compounds[1]	CAS #	Federal/ State HAP[2]	Well ID, Sample Date, and Concentration (µg/m^3)		
			W-32	W-34	SVE-7
			9/18/19	9/18/19	11/20/19
Carbon disulfide	75-15-0	Both	<8,400	17	<470
Chloroform	67-66-3	Both	<4,100	<8.2	3,500
Cyclohexane	110-82-7	No	<7,600	<15	2,000
Dichlorodifluoromethane (CFC 12)	75-71-8	No	<4,000	8.4	<740
1,1-Dichloroethane	75-34-3	Both	<4,000	56	63,000
1,1-Dichloroethene	75-35-4	Both	12,000	87	290,000
cis-1,2-Dichloroethene	156-59-2	No	7,600	160	51,000
1,2-Dichloropropane	78-87-5	Both	<4,100	<8.2	6,800
Methylene chloride	75-09-2	Both	<4,100	90	<1,700
Propene	115-07-1	No	<4,000	28	<5,000
Tetrachloroethene (PCE)	127-18-4	Both	570,000	2,200	1,100,000
Toluene	108-88-3	Both	<4,000	<8.1	3,900
1,1,1-Trichloroethane	71-55-6	Federal	450,000	2,400	3,400,000
Trichloroethene (TCE)	79-01-6	Both	250,000	3,000	2,800,000
Trichlorotrifluoroethane (CFC 113)	76-13-1	No	24,000	120	570,000
m&p-Xylene	179601-23-1	Both	<8,400	<17	5,100
Vinyl chloride	75-01-4	Both	<4,000	14	<380
Total HAPs (= sum of detected HAPs)			**1,282,000**	**7,864**	**7,672,300**
Total VOCs (= sum of detected VOCs)			**1,313,600**	**8,180**	**8,295,300**

NOTE:
Concentrations are in micrograms per cubic meter (µg/m^3).

FOOTNOTES:
(1) Samples analyzed for VOCs using EPA Method TO-15. Only VOCs detected in one or more samples are listed here.
(2) HAP listing = "Both" if VOC is on USEPA's Initial List of Hazardous Air Pollutants with Modifications webpage and in NR 445.07 Table A, WAC (Register March 2016 No. 723). HAP listing = "Federal" if VOC is on USEPA's Initial List of Hazardous Air Pollutants with Modifications webpage only.

APPENDIX A

LABORATORY REPORTS FOR WATER SAMPLES COLLECTED FROM RECOVERY WELLS AND WRR'S PRODUCTION WELL (NOVEMBER 2018 THROUGH OCTOBER 2019)

APPENDIX B

LABORATORY REPORTS AND CHAIN OF CUSTODY RECORDS FOR SVE EXHAUST GAS SAMPLES (DECEMBER 2018 THROUGH OCTOBER 2019)

APPENDIX C

RELEVANT PAGES OF THE WDNR'S "OPERATION, MAINTENANCE, MONITORING AND OPTIMIZATION REPORTING OF SOIL AND GROUNDWATER REMEDIATION SYSTEMS" FORM 4400-194

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

GENERAL INSTRUCTIONS, PURPOSE AND APPLICABILITY OF THIS FORM:

Completion of the applicable portions of this form is required under Wis. Admin. Code § NR 724.13(3). Failure to submit this form as required is a violation of that rule section and is subject to the penalties in Wis. Stats. § 292.99. This form must be submitted every six months for remediation projects that report operation and maintenance progress, in accordance with Wis. Admin. Code §. NR 724.13(3). A narrative report or letter containing the equivalent information required in this form may be submitted in lieu of the actual form. Submittal of this form is not a substitute for reporting required by department programs such as Waste Water or Air Management.

Notes:

1. Long-term monitoring results submitted in accordance with Wis. Admin. Code § NR 724.17(3) are required to be submitted within 10 business days of receiving sampling results and are not required to be submitted using this form. However, portions of this form require monitoring data summary information that may be based on information previously submitted in accordance with that section of code.
2. Responsible parties should check with the department Project Manager assigned to the site to determine if this form is required to be submitted at sites responded to under the Federal Comprehensive Environmental Response and Compensation Act (commonly known as Superfund) or an equivalent state-lead response.
3. Responsible parties should check with the department Project Manager assigned to the site to determine if any of the information required in this form may be omitted or changed and should obtain prior written approval for any omissions or changes.
4. Responsible parties are required to report separately on a semi-annual basis under Wis. Admin. Code § NR 700.11(1). Reporting under that provision is through an internet-based form. More information can be found at: http://dnr.wi.gov/topic/Brownfields/documents/regs/NR700progreport.pdf.
5. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by Remediation and Redevelopment Program. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (Wis. Stats. §§ 19.31–19.39).

Section GI - General Site Information

A. General Information

1. Site name: WRR Environmental Services Co. Inc.

2. Reporting period from:	To:	Days in period:
11/01/2018	10/31/2019	365

3. Regulatory agency (enter DNR, DATCP and/or other)	4. BRRTS ID No. (2 digit program-2 digit county-6 digit site specific)
DNR, DSPS, EPA, DOT, ATF, OSHA, DATCP	02-18-000274

5. Site location

Region	County	Address
West Central Region	Eau Claire	5200 Ryder Road, Eau Claire, WI

Municipality name ◯ City ◯ Town ◯ Village	Township	Range	Section	¼	¼ ¼
Washington	26 N	9 ◉E ◯W	3	SW	SE

6. Responsible party	7. Consultant
Name: James L. Hager - CEO WRR Environmental	☐ Select if the following information has changed since the last submittal
Mailing address: 5200 Ryder Road, Eau Claire, WI	Company name: Gannett Fleming, Inc.
Phone number: (715) 834-9624	Mailing address: 8040 Excelsior Drive, Madison, WI 53717 — Phone number: (608) 327-5050

8. Contaminants: Alcohols, ketones, chlorinated and petroleum-related compounds

9. Soil types (USCS or USDA): Surficial soil is primarily SM and SP with some underlying ML-CL layers

10. Hydraulic conductivity(cm/sec):	11. Average linear velocity of groundwater (ft/yr)
0.000264 to 0.0006096	12.6 to 88.4

12. If soil is treated ex situ, is the treatment location off site? ◯ Yes ◉ No

If yes, give location: Region	County					
Municipality name ◯ City ◯ Town ◯ Village	Township N	Range ◯E ◯W	Section	¼	¼ ¼

B. Remediation Method

Only submit sections that apply to an individual site. Check all that apply:

- ☒ Groundwater extraction (submit a completed Section GW-1).
- ☐ Free product recovery (submit a completed Section GW-1).
- ☐ In situ air sparging (submit a completed Section GW-2).
- ☒ Groundwater natural attenuation (submit a completed Section GW-3).
- ☐ Other groundwater remediation method (submit a completed Section GW-4).
- ☒ Soil venting (including soil vapor extraction building venting and bioventing submit a completed Section IS-1).
- ☐ Soil natural attenuation (submit a completed Section IS-2).
- ☐ Other in situ soil remediation method (submit a completed Section IS-3).
- ☐ Biopiles (submit a completed Section ES-1).
- ☐ Landspreading/thinspreading of petroleum contaminated soil (submit a completed Section ES-2).
- ☐ Other ex situ remediation method (submit a completed Section ES-3).
- ☐ Site is a landfill (submit a completed Section LF-1).

C. General Effectiveness Evaluation for All Active Systems

If the remediation is active (not natural attentuation), complete this subsection.

1. Is the system operating at design rates and specifications? ◯ Yes ◉ No

   If the answer is no, explain whether or not modifications are necessary to achieve the goal that was previously established in design.
   See answer to #5 below

2. Are modifications to the system warranted to improve effectiveness ◉ Yes ◯ No

   If yes, explain:
   See answer to #5 below

3. Is natural attenuation an effective low cost option at this time? ◯ Yes ◉ No
4. Is closure sampling warranted at this time? ◯ Yes ◉ No
5. Are there any modifications that can be made to the remediation to improve cost effectiveness? ◉ Yes ◯ No

   If yes, explain:
   Shutdown of recovery wells that are removing negligible mass of VOCs. Changing or cleaning pumps and redevelopment of recovery wells, as necessary.

D. Economic and Cost Data to Date

1. Total investigation cost: _____
2. Implementation costs (design, capital and installation costs, excluding investigation costs: _____
3. Total costs during the previous reporting period: _____
4. Total costs during this reporting period: _____
5. Total anticipated costs for the next reporting period: _____
6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? ○ Yes ○ No
   If yes, explain:

7. If closure is anticipated within 12 months, estimated costs for project closeout: _____

E. Name(s), Signature(s) and Date of Person(s) Submitting Form

Legibly print name, date and sign. Only persons qualified to submit reports under ch. NR 712 Wis. Adm. Code are to sign this form for sites with any ongoing active remediation, monitoring or an investigation. Other persons may sign this form for sites with no response activities during the six month reporting period.

Registered Professional Engineers:

I hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Clifford C. Wright	Project Engineer/Geologist
Signature: Clifford C. Wright	Date: 1/28/2020

Hydrogeologists:

I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Clifford C. Wright	Project Engineer/Geologist
Signature: Clifford C. Wright	Date: 1/28/2020

Scientists:

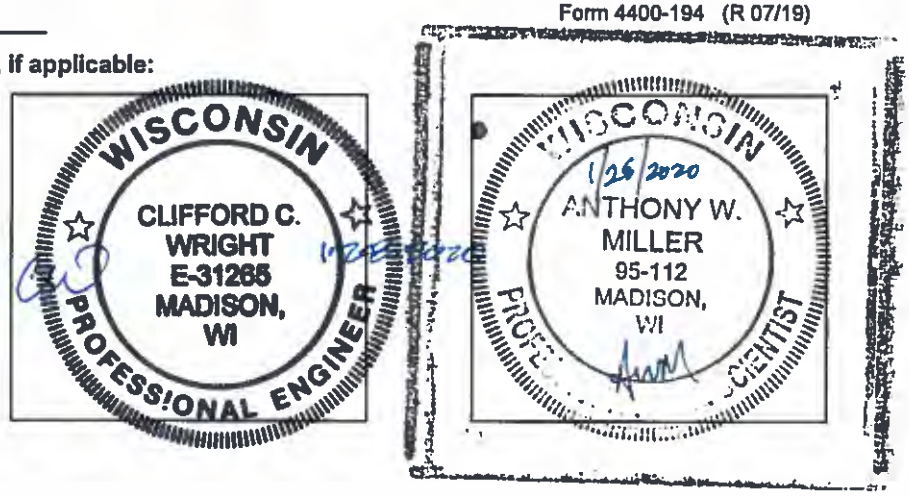
I hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Anthony W. Miller	Senior Environmental Scientist/Project Manager
Signature: Anthony W. Miller	Date: 1/28/2020

Other Persons:

Print name	Title
Robert T. Fuller	Executive V.P./CFO
Signature: Robert T Fuller	Date: 1/28/2020

Professional Seal(s), if applicable:



Section GW-1, Groundwater Pump and Treat Systems and Free Product Recovery Systems

A. Groundwater Extraction System Operation:

1. Total number of groundwater extraction wells or trenches available: 14 and the number in use during period: 11
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain:
   361
3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:
   98.9%
4. Quantity of groundwater extracted during this time period: 11,622,440 gallons
5. Average groundwater extraction rate: 22 gpm
6. Quantity of dissolved phase contaminants removed during this time period in pounds: 1,314 lbs

B. Free Product Recovery System Operation

1. Is free product (nonaqueous phase liquid) being recovered at this site? ◯ Yes ◉ No
   If yes, explain:
2. Quantity of free product extracted during this time period (enter none if none): _____ gallons
3. Average free product extraction rate: _____ gpm

C. System Effectiveness Evaluation

1. Is a contaminated groundwater plume fully contained in the capture zone? ◯ Yes ◉ No
   If no, explain:
   Some portion of off-site contaminant plume is likely not being captured.
2. If free product is present, is the free product fully contained in capture zone? ◯ Yes ◯ No
   If no, explain:
3. If free product is present in any wells at the site, but free product was not recovered during reporting period, explain:
4. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in C.4.a.
   a. Contaminant: Vinyl Chloride
   b. Percent reduction necessary to reach ch. NR 140 ES and PAL: 99.99999 %
   c. Maximum contaminant concentration level in any monitoring well of that contaminant: 4,800 µg/L
   d. Maximum contaminant concentration level in any extraction well of that contaminant: 507 in RW-13 µg/L

e. If the maximum concentration in a monitoring well is more that one order of magnitude above the concentration measured in an extraction well, explain why the extracted groundwater contamination levels are significantly less than the levels at other locations within the aquifer.

D. Additional Attachments

Attach the following to this form:

- Most recent report to the DNR Wastewater Program, if applicable.
- Groundwater contour map with capture zone indicated.
- Groundwater contaminant distribution map (may be combined with contour map).
- Graph of cumulative contaminant removal, if both free product recovery and ground water extraction are used, provide separate graphs.
- Time versus groundwater contaminant concentration graphs for the contaminant listed in C.4.a. (above), as follows:
  - -- Graph of contaminant concentrations versus time for each extraction well in use during the period.
  - -- Graph of contaminant concentrations versus time for the monitoring well with the greatest level of contamination.
- Groundwater contaminant chemistry table.
- Groundwater elevations table.
- System operational data table.

Section GW-3, Natural Attenuation (Passive Bioremediation) in Groundwater

A. Effectiveness Evaluation

1. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in A.1.a

   a. Contaminant: Vinyl chloride and other CVOCs

   b. Percent reduction necessary to reach ch. NR 140 ES and PAL: 99.99999 %

   c. Maximum contaminant concentration level in any monitoring well of that contaminant: 4,800 µg/L

2. Aquifer parameters:

   a. Hydraulic conductivity: 0.000264 - 0.0006096 cm/sec

   b. Groundwater average linear velocity: 12.6-88.4 ft/yr

3. Is there a downgradient monitoring well that meets ch. NR 140 standards? (●) Yes ( ) No

4. Based on water chemistry results, is the plume: ( ) Expanding ( ) Stabalized (●) Contracting ?

5. If the answer in 4. (above) is "expanding," is natural attenuation still the best option? ( ) Yes ( ) No

   If yes, explain:

6. Biodegradation parameters:

   a. Upgradient (or other site specific background) DO level: 10,810 µg/L

   b. DO levels in the part of the plume that is most heavily contaminated 1,740 µg/L

7. Is site closure a viable option within 12 months from the date of this form? ( ) Yes (●) No

8. Are there any modifications that can improve cost effectiveness? (●) Yes ( ) No

   If yes, explain:
   Additional injections of reagents in 2020.

9. Have groundwater table fluctuations changed the contaminant level trends over time? (●) Yes ( ) No

   If yes, explain:
   As expected, fluctuations in water table elevation affect contaminant concentrations.

10. Has the direction of groundwater flow changed during the reporting period? ( ) Yes (●) No

    If yes, approximate change in degrees:

B. Additional Attachments

Attach the following:

- Groundwater contour map.
- Groundwater contaminant distribution map (may be combined with contour map).
- When contaminants are aerobically biodegradable, attach a dissolved oxygen in groundwater map (dissolved oxygen may be combined with the contaminant data on a single map).
- Graph of contaminant concentrations versus time for the contaminant listed in A.1.a. (above) for the monitoring point with the greatest level of contamination.
  Note: This is the minimum required graph; however, it is recommended that multiple time versus contamination concentration graphs as described in the instructions on page 24 for Natural Attenuation of Groundwater be submitted.
- Graph of contaminant concentrations versus distance.
- Groundwater contaminant chemistry table.
- Groundwater biological parameters.
- Groundwater elevations table.

Section IS-1, Soil Venting (Including Soil Vapor Extraction, Building Venting and Bioventing)

A. Soil Venting Operation

Note: This form is not required for building vapor mitigation systems that are installed proactively to protect building occupants/users and are not considered part of ongoing active soil remediation.

1. Number of air extraction wells available and number of wells actually in use during the period: 4
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain):
   227
3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:
   62%. Main SVE system shutdown from 11/1/18 to 3/19/19 to extend exhaust stack above 25 feet; SVE-5 started venting on 8/5/19.
4. Average depth to groundwater: 10 feet

B. Building Basement/Subslab Venting System Operation

1. Number of venting points available and number of points actually in use during the period:
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain):
3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:

C. Effectiveness Evaluation

1. Average contaminant removal rate for the entire system: 7.7 pounds per day
2. Average contaminant removal rate per well or venting point: 1.9 pounds per day
3. If the average contaminant removal rate is less than one pound per day for the entire system, or if the average contaminant removal rate per well is less than one tenth of a pound per day, evaluate the following:
   a. If contaminants are aerobically biodegradable and confirmation borings have not been drilled in the past year:
      i. Oxygen levels in extracted air: percent
      ii. Methane levels in extracted air (ppm_V) If over 10 ppm_V, explain:
      iii. If methane is not present above 10 ppm_V and if oxygen is greater than 20 percent in extracted air, you should either:
      - Drill confirmation borings during the next reporting period, if the entire site should be considered for closure.
      - Or, perform an in situ respirometry test in a zone of high contamination. Do not perform the test in an air extraction well, use a gas probe or water table well. If a zero order rate of decay based on oxygen depletion is less than 2 mg/kg per day, then you should drill confirmation borings, if the entire site should be considered for closure. If the rate of decay is between 2 and 10 mg/kg, operate for one more reporting period before evaluating further. If the zero order rate of decay is greater than 10 mg/kg total hydrocarbons, continue operating the system in a manner than maximizes aerobic biodegradation.

   b. If contaminants are not aerobically biodegradable and confirmation borings have not been recently drilled during the past year, you should drill confirmation borings during the next reporting period if the entire site should be considered for closure.
   c. If soil borings were drilled during the past year and soil contamination remains above acceptable levels, explain if the system effectiveness can be increased and/or if other options need to be considered to achieve cleanup criteria.

D. Additional Attachments

Attach the following to this form:

- Well and soil sample location map indicating all air extraction wells. If forced air injection wells are also in use, identify those wells.
- If water table monitoring wells are present at the site, a map of well locations.
- Time versus vapor phase contaminant concentration graph.
- Time versus cumulative contaminant removal graph.
- Groundwater elevations table, if water table wells are present at the site; also list screen lengths and elevations.
- Table of soil contaminant chemistry data.
- Soil gas data, if gas probes are used to monitor subsurface conditions in locations other than where air is extracted.
- System operational data table.

APPENDIX D

LABORATORY REPORTS, CHAIN OF CUSTODY RECORDS, AND SUMMARIES OF VOCS EXCEEDING NR 140 PREVENTATIVE ACTION LIMITS AND/OR ENFORCEMENT STANDARDS DECEMBER 2018 THROUGH OCTOBER 2019

APPENDIX E

WRR TABLES CONTAINING ANALYTICAL RESULTS OF MAY AND OCTOBER 2019 GROUNDWATER SAMPLES AND PREVIOUS RESULTS DATING BACK TO MAY 9, 2009

020 **Drinking Water**

DESCRIPTION	CASNUM	ES	PAL	RESULTS MONTH/YEAR 05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40										< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.36		< 0.36		< 0.46
1,1,2-Trichloroethane	0000790	5	0.5										< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40		< 0.4		< 0.46
1,1-Dichloroethane	0000753	850	85										< 0.28		< 0.16	< 0.24		< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.31		< 0.31		< 0.44
1,1-Dichloroethene	0000753	7	0.7										< 0.43		< 0.41	< 0.41		< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.28		< 0.28		< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE										< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.17		< 0.17		< 0.42
1,2,4-Trichlorobenzene	0001208	70	14										< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 0.21		< 0.21		< 0.45
1,2-cis-Dichloroethene	0001565	70	7										< 0.42		< 0.26	< 0.26		< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.25		< 0.25		0.49
1,2-Dichlorobenzene	0000955	600	60										< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22		< 0.32
1,2-Dichloroethane	0001070	5	0.5										< 0.48		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17		< 0.17		< 0.44
1,2-Dichloropropane	0000788	5	0.5										< 0.50		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.25		< 0.25		< 0.48
1,2-trans-Dichloroethene	0001566	100	20										< 0.37		< 0.24	< 0.26		< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.28		< 0.28		< 0.48
1,4-Dichlorobenzene	0001064	75	15										< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.21		< 0.21		< 0.35
124TRIMTHLBENZEN	0000956	480	96										< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.37		< 0.37		< 0.45
135TRIMTHLBENZEN	0001086	480	96										< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.29		< 0.29		< 0.65
2-Chlorotoluene	0000954	NSE	NSE										< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.32		< 0.32		< 0.36
Acetone	0000676	9000	1800										< 2.6		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 0.92		< 0.92		< 6.2
Benzene	0000714	5	0.5										< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.30		< 0.3		< 0.46
Chloroethane	0000750	400	80										< 0.44		< 0.37	< 0.37		< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.29		< 0.29		< 0.68
Chloroform	0000676	6	0.6										< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 0.26		< 0.26		< 0.46
Chloromethane	0000748	30	3										< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.17		< 0.17		< 0.83
Dichlorodifluoromethan	0000757	1000	200										< 0.40		< 0.16	< 0.20		< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.13		< 0.13		< 0.68
Ethylbenzene	0001004	700	140										< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.40		< 0.4		< 0.34
Fluorotrichloromethane	0000756	3490	698										< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.20		< 0.2		< 0.52
Hexachlorobutadiene	0000876	NSE	NSE										< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.24		< 0.24		< 0.56
Isopropyl Alcohol	0000676	NSE	NSE										< 40.8		< 24.3	< 24.3		657	< 24.3	< 24.3	< 24.3	< 24.3	< 24.3	NA		< 33		< 33
Isopropyl ether	0001082	NSE	NSE										< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.13		< 0.13		< 0.41
Isopropylbenzene	0000988	NSE	NSE										< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.31		< 0.31		< 0.35
Methyl Ethyl Ketone	0000789	4000	800										< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 0.58		< 0.58		< 0.52
Methyl Isobutyl Ketone	0001081	500	50										< 2.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.11		< 0.11		< 0.52
Methyl tert-butyl Ether	0016340	60	12										< 0.49		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.12		< 0.12		< 0.45
Methylene Chloride	0000750	5	0.5										< 0.36		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.56		< 0.56		< 0.86
Naphthalene	0000912	100	10										< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 0.18		< 0.18		< 0.77
n-Butylbenzene	0001045	NSE	NSE										< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22		< 0.34
p-Isopropyltoluene	0000998	NSE	NSE										< 0.40		< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.14		< 0.14		< 0.26
Styrene	0001004	100	10										< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.24		< 0.24		< 0.33
Tetrachloroethene	0001271	5	0.5										< 0.47		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.27		< 0.27		< 0.39
Toluene	0001088	800	160										< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.37		< 0.37		< 0.45
Total TriMthBenzenes	TOTALT	480	96										< .5		< .5	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< .66		< .66		< 1.1
Total Xylenes	TOTAL X	2000	400										< .5		< .5	< 1.5		< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.33		< 1.33		< 1.12
Trichloroethene	0000790	5	0.5										< 0.36		< 0.33	< 0.33		< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.30		< 0.3		< 0.43
Vinyl Chloride	0000750	0.2	0.02										< 0.18		< 0.18	< 0.18		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.20		< 0.2		< 0.53
Xylene - M & P	1796012	2000	400										< 0.82		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.98		< 0.98		< 0.81
Xylene - O	0000954	2000	400										< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.35		< 0.35		< 0.31

10 **Production Well** RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	9		10		4.2		3.7		20.5	87.5		14	< 25.0		< 13				<.78	<.49				< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	1.6		2.3		1.1		.57		< 7.8	< 3.9			< 7.8		< 12				<.78	<.49				< 0.46	
1,1-Dichloroethane	0000753	850	85	16		27		24		17		23.2	26.6		25	37.5		16				1.4	<.47				< 0.44	
1,1-Dichloroethene	0000753	7	0.7	.77		< .83		< .42		< .4		< 8.5	< 4.3			< 20.5		< 13				<.78	<.49				< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< 1.1		< .54		< .52		< 15.4	< 7.7			< 107		< 9.5				<1.5	<.93				< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< 1.3		< .64		< .56		< 50.0	< 25.0			< 110		< 8.8				<.83	<.52				< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	.31		7.2		2.2		< .41		30.4	34.8		8.4	< 12.8		< 15				<.94	<.59				< 0.42	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .63		< .32		< .37		< 8.8	< 4.4			< 25.0		< 9				<.82	<.51				< 0.32	
1,2-Dichloroethane	0001070	5	0.5	1.3		2.6		2.4		1.4		< 9.5	< 4.8			< 8.4		< 16				<.78	<.55				< 0.44	
1,2-Dichloropropane	0000788	5	0.5	.44		< .87		.61		.42		< 10	< 5.0			< 11.7		< 11				<1.1	<.69				< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	.41		< 1		< .52		< .39		< 7.4	< 3.7			< 12.8		< 13				<.68	<.42				< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .89		< .44		< .44		< 8.7	< 4.3			< 25.0		< 16				<1.1	<.67				< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .72		.58		< .47		< 11.4	< 5.0			< 25.0		< 10				<.83	<.52				< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .78		< .39		< .51		< 50.0	< 5.0			< 25.0		< 13				<.85	<.53				< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .8		< .4		< .51		< 9.5	< 4.8			< 25.0		< 14				<1	<.63				< 0.36	
Acetone	0000676	9000	1800	18		39		< 8.3		< 8.3		2420	2020		2300	2850		570				310	<10				< 1.1	
Benzene	0000714	5	0.5	< .24		< .78		< .39		< .51		< 10.0	< 5.0			< 25.0		< 15				<.95	<.6				< 0.46	
Chloroethane	0000750	400	80	< 1.1		< 6.1		< 3		< 4.1		< 8.9	< 4.4			< 18.7		< 61				7.3	<2.3				< 0.68	
Chloroform	0000676	6	0.6	< .13		< .81		< .4		< .45		< 13.8	< 6.9			< 125		< 13				<0.88	<.55				< 0.46	
Chloromethane	0000748	30	3	< .23		< .93		< .47		< .48		< 7.8	< 3.9			< 25.0		< 11				<.88	<.55				< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< .25		< 1.2		< .58		< .38		< 8.0	< 4.0			< 10.1		< 14				<.66	<.41				< 0.68	
Ethylbenzene	0001004	700	140	.58		2.5		< .41		< .43		34.8	52.3			< 25.0		17				10	1.7				< 0.34	
Fluorotrichloromethane	0000756	3490	698	< .21		< 1.3		< .63		< .51		< 9.5	< 4.8			< 8.6		< 14				<.80	<.5				< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< 1.8		< .89		< .45		< 25.1	< 12.6			< 105		< 12				<1.2	<.75				< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	16		< 33		23		< 13		2830	3710		1800	4140		950				290	<11				< 33	
Isopropyl ether	0001082	NSE	NSE	.18		< .98		< .49		< .38		< 10.0	< 5.0			< 25.0		< 12				<.88	<.55				< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .86		< .43		< .44		< 6.8	< 3.4			< 7.2		< 12				<.74	<.46				< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	2.4		< 4		2.1		< 2		1220	1400		610	990		290				79	2.9				< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	3		< 2.1		< 1.1		< .63		112	192			< 107		33				28	1.4				< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< .19		< 1.1		< .57		< .38		< 9.9	< 4.9			< 8.7		< 14				<.82	<.51				< 0.45	
Methylene Chloride	0000750	5	0.5	.22		< 1.9		< .96		< .8		< 7.2	< 3.6			***13.6***		< 13				1.1	<.59				< 0.86	
Naphthalene	0000912	100	10	< .32		< 1.6		< .81		< .64		< 50.0	< 25.0			< 125		< 17				<1.7	<1.1				< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .72		< .36		< .49		< 8.0	< 4.0			< 25.0		< 9.8				<.82	<.52				< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .76		< .38		< .41		< 7.9	< 4.0			< 25.0		< 11				<.7	<.44				< 0.26	
Styrene	0001004	100	10	< .2		< .68		< .34		< .39		< 7.0	< 3.5			< 25.0		< 9.3				<.74	<.47				< 0.33	
Tetrachloroethene	0001271	5	0.5	***24***		***33***		***22***		***9.9***		***16.2***	***13***			< 25.0		< 11				.92	<.55				< 0.39	
Toluene	0001088	800	160	6.2		.81		< .34		< .46		718	***1070***		760	557		340				120	17				< 0.45	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .72		.58		< .47		< 11.4	< 5			< 50		< 23				<.98	<.53				< 1.1	
Total Xylenes	TOTAL X	2000	400	1.93		11		10.5		< .45		< 10	< 5		105	< 75		47				33.4	5.2				< 1.12	
Trichloroethene	0000790	5	0.5	2.1		1.2		1.9		.67		< 8.6	< 3.6			< 16.5		< 15				<1.3	<.81				< 0.43	
Vinyl Chloride	0000750	0.2	0.02	***1.7***		***1.9***		***.84***		< .3		***9.1***	***14.2***			< 8.8		< 7.8				<.68	<.43				< 0.53	
Xylene - M & P	1796012	2000	400	1.2		7.2		6.5		< .91		94.5	140		82	54.4		47				26	4.0				< 0.81	
Xylene - O	0000954	2000	400	.73		3.8		4		< .45		28.9	44.2		23	< 25.0		< 13				7.4	1.2				< 0.31	

100 **W-1**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .22		< .2		< .21		< .21		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< .23		< .17		< .25		< .25		< 0.39			< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85	< .21		< .16		< .19		< .19		< 0.28			0.69			< 0.24		< 0.24		0.50		< 0.31			< 0.44	
1,1-Dichloroethene	0000753	7	0.7	< .21		< .15		< .2		< .2		< 0.43			< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .27		< .23		< .26		< .26		< 0.77			< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< .32		< .3		< .28		< .28		< 2.5			< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	< .2		< .12		< .21		< .21		< 0.42			1.8			< 0.26		< 0.26		1.6		< 0.25			< 0.42	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .19		< .19		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5	< .16		< .22		< .24		< .24		< 0.48			< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	
1,2-Dichloropropane	0000788	5	0.5	< .22		< .21		< .2		< .2		< 0.50			< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< .26		< .13		< .19		< .19		< 0.37			< 0.24			< 0.26		< 0.26		0.44		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< .22		< .13		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .18		< .12		< .24		< .24		< 0.57			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .2		< .12		< .25		< .25		< 2.5			< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .2		< .15		< .26		< .26		< 0.48			< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800	< 4.2		< 4		< 4.2		< 4.2		< 2.6			< 3.0			< 3.0		< 3.0		< 3.0		1.6			< 1.1	
Benzene	0000714	5	0.5	< .2		< .13		< .26		< .26		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	
Chloroethane	0000750	400	80	< 1.5		< .67		< 2.1		< 2.1		< 0.44			< 0.37			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	
Chloroform	0000676	6	0.6	< .2		< .13		< .23		< .23		< 0.69			< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3	< .23		.66		< .24		< .24		< 0.39			< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< .29		< .13		< .19		< .19		< 0.40			< 0.16			< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140	< .21		< .12		< .22		< .22		< 0.50			< 0.50			< 0.50		0.88		0.71		2.7			2	
Fluorotrichloromethane	0000756	3490	698	< .32		< .11		< .25		< .25		< 0.48			< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< .45		< .36		< .23		< .23		< 1.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	< 8.3		< 14		29		13		< 40.8			< 24.3			< 24.3		< 24.3		< 24.3		NA			< 33	
Isopropyl ether	0001082	NSE	NSE	< .25		< .2		< .19		< .19		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .22		< .1		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	< 1		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	< .53		< .64		< .31		< .31		< 2.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< .28		< .13		< .19		.26		< 0.49			< 0.17			< 0.17		< 0.17		0.32		< 0.12			< 0.45	
Methylene Chloride	0000750	5	0.5	2.7		< .27		< .4		< .4		***10.3***			< 0.23			1.1		< 0.23		< 0.23		< 0.56			< 0.86	
Naphthalene	0000912	100	10	< .41		< .31		< .32		< .32		< 2.5			< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< .18		< .14		< .24		< .24		< 0.40			< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< .19		< .11		< .2		< .2		< 0.40			< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10	< .17		< .11		< .19		< .19		< 0.35			< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5	< .21		< .18		.2		< .15		< 0.47			< 0.50			< 0.50		< 0.50		< 0.50		< 0.27			< 0.39	
Toluene	0001088	800	160	< .17		< .16		< .23		< .23		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
Total TriMthBenzenes	TOTALT	480	96	< .18		< .12		< .24		< .24		< .57			< .5			< 1		< 1		< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400	< .24		< .16		< .22		< .22		< .5			< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	
Trichloroethene	0000790	5	0.5	.37		< .16		< .25		< .25		< 0.43			< 0.33			< 0.33		< 0.33		***6.2***		< 0.30			< 0.43	
Vinyl Chloride	0000750	0.2	0.02	< .18		< .17		< .15		< .15		< 0.18			< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	
Xylene - M & P	1796012	2000	400	< .33		< .22		< .46		< .46		< 0.82			< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	
Xylene - O	0000954	2000	400	< .24		< .16		< .22		< .22		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		0.44			0.48	

103 **W-1A**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13 -P	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< 3.1	< 55	< 22	< 22	< 2.6	< .82	< 21	< 5.2	< 2.2	< 0.44		< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	< 0.50	< 10.0	< 0.36		< 0.36	< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5	< 5.2	< 56	< 23	< 23	< 3.2	< 1	< 25	< 6.3	< 1.9	< 0.39		< 0.78	< 0.78		< 0.99	< 0.20	< 0.99	< 0.99	< 0.20	< 3.9	< 0.40		< 0.4	< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85	270	220	120	58	19	5.3	< 19	10	6.3	2.6		5.5	7.4		2.8	3.0	3.1	3.6	1.6	10.2	6.5		6.6	1.5	1.6
1,1-Dichloroethene	0000753	7	0.7	< 5.4	< 52	< 21	< 21	< 2.5	< .8	< 20	< 5	< 2.1	< 0.43		< 2.1	< 2.1		< 2.1	< 0.41	< 2.1	< 2.1	< 0.41	< 8.2	< 0.28		< 0.28	< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 7.4	< 68	< 27	< 27	< 3.3	< 1	< 26	< 6.5	< 3.8	< 0.77		< 10.7	< 10.7		< 10.7	< 2.1	< 10.7	< 10.7	< 2.1	< 42.7	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14	< 5.5	< 80	< 32	< 32	< 3.5	< 1.1	< 28	< 7.1	< 12.5	< 2.5		< 11.0	< 11.0		< 11.0	< 2.2	< 11.0	< 11.0	< 2.2	< 44.2	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7	3500	3400	590	1300	8.8	2.9	960	260	413	64.8		313	323		166	160	134	154	28.2	29.9	17		29	2.5	2.5
1,2-Dichlorobenzene	0000955	600	60	< 4	< 40	< 16	< 16	< 2.3	< .74	< 19	< 4.7	< 2.2	< 0.44		< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	< 0.50	< 10.0	< 0.22		0.39	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5	< 3.8	< 41	< 16	< 16	< 3.1	< .98	< 24	< 6.1	< 2.4	< 0.48		< 0.84	< 0.84		< 0.84	< 0.17	< 0.84	< 0.84	< 0.17	< 3.4	< 0.17		< 0.17	< 0.44	< 0.44
1,2-Dichloropropane	0000788	5	0.5	10	< 54	< 22	< 22	< 2.5	< .79	< 20	< 4.9	< 2.5	< 0.50		< 1.2	< 1.2		< 1.2	< 0.23	< 1.2	< 1.2	< 0.23	< 4.7	< 0.25		< 0.25	< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20	6.1	< 65	< 26	< 26	< 2.4	< .77	< 19	< 4.8	3.2	0.51		2.7	2.7		< 1.3	0.67	1.4	1.6	0.30	< 5.1	< 0.28		0.59	< 0.48	< 0.48
1,4-Dichlorobenzene	0001064	75	15	< 7.4	< 56	< 22	< 22	< 2.7	< .87	< 22	< 5.5	< 2.2	< 0.43		< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	< 0.50	< 10.0	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96	< 4.8	< 45	< 18	< 18	< 3	< .94	< 24	< 5.9	< 2.9	< 0.50		< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	< 0.50	< 10.0	2.3		3.7	< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96	< 4.9	< 49	< 20	< 20	< 3.2	< 1	< 25	< 6.4	< 12.5	< 0.50		< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	< 0.50	< 10.0	0.50		0.82	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE	< 4.7	< 50	< 20	< 20	< 3.2	< 1	< 26	< 6.4	< 2.4	< 0.48		< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	< 0.50	< 10.0	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800	< 100	< 1000	< 420	< 420	< 52	< 17	< 420	< 100	< 12.9	< 2.6		< 14.8	< 14.8		< 14.8	< 3.0	< 14.8	< 14.8	8.7	< 59.1	7.5		< 0.92	< 1.1	7.7
Benzene	0000714	5	0.5	< 6	< 49	< 20	< 20	< 3.2	< 1	< 26	< 6.4	< 2.5	< 0.50		< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	< 0.50	< 10.0	< 0.30		0.31	< 0.46	< 0.46
Chloroethane	0000750	400	80	< 29	< 380	< 150	< 150	< 26	< 8.2	< 210	< 51	< 2.2	< 0.44		< 1.9	< 1.9		< 1.9	< 0.37	< 1.9	< 1.9	< 0.37	< 7.5	< 0.29		< 0.29	< 0.68	< 0.68
Chloroform	0000676	6	0.6	< 3.3	< 51	< 20	< 20	< 2.8	< .9	< 23	< 5.6	< 3.4	< 0.69		< 12.5	< 12.5		< 12.5	< 2.5	< 12.5	< 12.5	< 2.5	< 50.0	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3	< 5.8	< 58	< 23	< 23	< 3	< .96	< 24	< 6	< 1.9	< 0.39		< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	< 0.50	< 10.0	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200	< 6.2	< 72	42	< 29	< 2.4	< .76	< 19	< 4.8	< 2.0	< 0.40		< 0.78	26.2		< 1.1	< 0.22	< 1.1	< 1.1	1.8	< 4.5	19		29	< 0.68	< 0.68
Ethylbenzene	0001004	700	140	470	440	170	84	< 2.7	5.1	77	70	155	2.9		295	184		142	76.1	18.1	49.6	2.2	967	990		560	74	17
Fluorotrichloromethane	0000756	3490	698	< 5.3	< 79	< 32	< 32	< 3.2	< 1	< 25	< 6.4	< 2.4	< 0.48		< 0.86	< 0.86		< 0.92	< 0.18	< 0.92	< 0.92	< 0.18	< 3.7	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE	< 6.2	< 110	< 45	< 45	< 2.8	< .9	< 23	< 5.7	< 6.3	< 1.3		< 10.5	< 10.5		< 10.5	< 2.1	< 10.5	< 10.5	< 2.1	< 42.1	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE	< 250	< 2100	< 830	< 830	< 79	< 25	< 630	< 160	< 204	< 40.8		< 122	< 122		< 122	< 24.3	< 122	< 122	< 24.3	< 487	NA		< 33	< 33	< 33
Isopropyl ether	0001082	NSE	NSE	< 3.9	< 61	< 25	< 25	< 2.4	< .76	< 19	< 4.7	< 2.5	< 0.50		< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	< 0.50	< 10.0	< 0.13		< 0.13	< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE	< 4.4	< 54	< 22	< 22	< 2.8	< .89	< 22	< 5.6	< 1.7	< 0.34		< 0.58	< 0.72		< 0.72	0.34	< 0.72	< 0.72	0.25	< 2.9	1.9		2.2	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800	< 12	< 250	< 100	< 100	< 13	< 4	< 100	< 25	< 13.5	< 2.7		< 14.9	< 14.9		< 14.9	< 3.0	< 14.9	< 14.9	< 3.0	< 59.6	< 0.58		< 0.58	< 0.52	< 0.52
Methyl Isobutyl Ketone	0001081	500	50	< 9.2	< 130	< 53	< 53	< 3.9	< 1.3	< 31	< 7.8	< 11.7	< 2.3		< 10.7	< 10.7		< 10.7	< 2.1	< 10.7	< 10.7	< 2.1	< 42.8	< 0.11		0.67	< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12	< 4.8	< 71	< 28	< 28	< 2.4	< .76	< 19	< 4.8	< 2.5	< 0.49		< 0.87	< 0.87		< 0.87	< 0.17	< 0.87	< 0.87	0.21	< 3.5	< 0.12		< 0.12	< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5	< 5.5	< 120	< 48	< 48	< 5	< 1.6	< 40	< 10	< 1.8	< 0.36		< 1.2	< 1.2		< 1.2	< 0.23	< 1.2	< 1.2	0.34	< 4.7	< 0.56		< 0.56	< 0.86	< 0.86
Naphthalene	0000912	100	10	< 7.9	< 100	< 41	< 41	< 4	< 1.3	< 32	8.3	< 12.5	< 2.5		< 12.5	< 12.5		< 12.5	< 2.5	< 12.5	< 12.5	< 2.5	< 50.0	< 0.18		0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE	< 5.6	< 45	< 18	< 18	< 3.1	< .98	< 24	< 6.1	< 2.0	< 0.40		< 1.1	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	< 0.50	< 10.0	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE	< 4.1	< 48	< 19	< 19	< 2.5	< .81	< 20	< 5.1	< 2.0	< 0.40		< 0.63	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	< 0.50	< 10.0	< 0.14		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10	< 5	< 43	< 17	< 17	< 2.4	< .78	< 19	< 4.9	< 1.7	< 0.35		< 0.77	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	< 0.50	< 10.0	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5	< 3	< 52	< 21	< 21	< 1.8	< .58	< 15	< 3.7	< 2.4	< 0.47		< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	< 0.50	< 10.0	< 0.27		0.34	< 0.39	< 0.39
Toluene	0001088	800	160	14	< 43	< 17	< 17	< 2.9	2.7	< 23	11	15.9	1.5		12.4	24.4		5.7	3.3	< 2.5	10.3	2.1	41.0	38		54	4.2	2.3
Total TriMthBenzenes	TOTALT	480	96	< 4.8	< 45	< 18	< 18	< 3	< .94	< 24	< 5.9	< 12.5	< .5		< 2.5	< 5		< 5	< 1	< 5	< 5	< 1	< 20	2.8		4.52	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400	455.9	450	270	170	< 2.8	10	65	69	< 2.5	< .5		< 2.5	52.5		38.6	47.3	42.5	265.7	55.6	1774	2430		1380	157	40
Trichloroethene	0000790	5	0.5	< 9.3	< 42	< 17	< 17	< 3.1	< .99	< 25	< 6.2	< 2.1	< 0.36		< 1.7	< 1.7		< 1.7	< 0.33	< 1.7	< 1.7	< 0.33	< 6.6	< 0.30		< 0.3	< 0.43	< 0.43
Vinyl Chloride	0000750	0.2	0.02	360	650	1100	440	200	57	300	320	300	111		273	403		244	253	273	370	48.2	452	270		130	25	17
Xylene - M & P	1796012	2000	400	450	450	270	170	< 5.7	10	65	69	91.6	2.1		38.3	47.0		36.0	43.6	39.2	254	49.7	1360	1800		980	110	29
Xylene - O	0000954	2000	400	5.9	< 60	< 24	< 24	< 2.8	< .9	< 22	< 5.6	4.1	< 0.50		3.0	5.5		2.6	3.7	3.3	11.7	5.9	414	630		400	47	11

109 **W-1D**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	-P 10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< 6.3	< 55	< 22	< 17	< 1.1	< 1	< 10	< 2.6	< 2.2	< 0.44	< 0.44	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 0.36		< 0.36	< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5	< 10	< 56	< 23	< 18	< 1.1	< 1.3	< 13	< 3.2	< 1.9	< 0.39	< 0.39	< 0.31	< 0.62		< 0.79	< 0.20	< 0.39	< 0.39	< 0.20	< 0.39	< 0.40		< 0.4	< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85	270	200	180	110	76	53	45	21	41.9	6.8	39.0	28.2	30.9		13.8	5.3	10.0	10.6	5.4	16.2	9.8		9.6	2.9	2.5
1,1-Dichloroethene	0000753	7	0.7	< 11	< 52	< 21	< 17	< 1	< 1	< 10	< 2.5	< 2.1	< 0.43	< 0.43	< 0.82	< 1.6		< 1.6	< 0.41	< 0.82	< 0.82	< 0.41	< 0.82	< 0.28		< 0.28	< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 15	< 68	< 27	< 22	< 1.4	< 1.3	< 13	< 3.3	< 3.8	< 0.77	< 0.77	< 4.3	< 8.5		< 8.5	< 2.1	< 4.3	< 4.3	< 2.1	< 4.3	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14	< 11	< 80	< 32	< 25	< 1.6	< 1.4	< 14	< 3.5	< 12.5	< 2.5	< 2.5	< 4.4	< 8.8		< 8.8	< 2.2	< 4.4	< 4.4	< 2.2	< 4.4	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7	1600	1200	1200	800	3.4	390	410	110	169	< 0.42	193	93.7	64.8		26.4	3.2	14.7	13.6	5.5	16.5	4.8		2	1.1	0.55
1,2-Dichlorobenzene	0000955	600	60	< 7.9	< 40	< 16	< 13	< .79	< .93	< 9.3	< 2.3	< 2.2	< 0.44	< 0.44	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 0.22		0.23	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5	< 7.6	< 41	< 16	< 13	.84	< 1.2	< 12	< 3.1	< 2.4	< 0.48	< 0.48	0.48	< 0.67		< 0.67	< 0.17	< 0.34	< 0.34	0.20	< 0.34	< 0.17		< 0.17	< 0.44	0.5
1,2-Dichloropropane	0000788	5	0.5	20	< 54	< 22	< 17	5	4	< 9.9	< 2.5	< 2.5	< 0.50	< 0.50	< 0.47	< 0.93		< 0.93	< 0.23	< 0.47	< 0.47	< 0.23	< 0.47	< 0.25		< 0.25	< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20	< 10	< 65	< 26	< 21	2.5	2.9	< 9.7	< 2.4	3.1	0.69	1.9	2.7	2.0		< 1.0	0.66	0.69	0.80	0.50	0.86	< 0.28		0.63	< 0.48	0.67
1,4-Dichlorobenzene	0001064	75	15	< 15	< 56	< 22	< 18	< 1.1	< 1.1	< 11	< 2.7	< 2.2	< 0.43	< 0.43	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96	39	< 45	< 18	< 14	< .91	7	< 12	3.6	5.8	< 0.50	8.1	2.7	3.5		4.1	1.0	3.7	2.1	< 0.50	4.7	5.0		6.1	< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96	13	< 49	< 20	< 16	< .98	1.7	< 13	< 3.2	< 12.5	< 0.50	< 0.50	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	1.0		1.2	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE	< 9.5	< 50	< 20	< 16	< 1	< 1.3	< 13	< 3.2	< 2.4	< 0.48	< 0.48	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800	< 200	< 1000	< 420	< 330	29	< 21	< 210	< 52	< 12.9	< 2.6	< 2.6	< 5.9	< 11.8		42.5	< 3.0	< 5.9	< 5.9	< 3.0	< 5.9	2.9		1.6	< 4.4	9.9
Benzene	0000714	5	0.5	13	< 49	< 20	< 16	1.3	3.5	< 13	< 3.2	< 2.5	< 0.50	< 0.50	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	0.43		0.39	< 0.46	< 0.46
Chloroethane	0000750	400	80	110	< 380	< 150	< 120	< 7.6	19	< 100	< 26	5.9	< 0.44	< 0.44	< 0.75	< 1.5		< 1.5	< 0.37	< 0.75	< 0.75	< 0.37	3.1	< 0.29		5.8	< 0.68	< 0.68
Chloroform	0000676	6	0.6	< 6.5	< 51	< 20	< 16	< 1	< 1.1	< 11	< 2.8	< 3.4	< 0.69	< 0.69	< 5.0	< 10.0		< 10.0	< 2.5	< 5.0	< 5.0	< 2.5	< 5.0	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3	< 12	120	< 23	< 19	< 1.2	< 1.2	< 12	< 3	< 1.9	< 0.39	< 0.39	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200	< 12	< 72	< 29	< 23	< 1.4	< .95	< 9.5	< 2.4	< 2.0	< 0.40	< 0.40	< 0.31	16.5		< 0.90	< 0.22	< 0.45	< 0.45	2.4	< 0.45	< 0.13		15	5.9	3.5
Ethylbenzene	0001004	700	140	1100	1300	660	480	1.3	290	370	150	422	1.3	448	330	264		160	13.3	164	169	6.1	142	79		90	3.6	7.3
Fluorotrichloromethane	0000756	3490	698	< 11	< 79	< 32	< 25	< 1.6	< 1.3	< 13	< 3.2	< 2.4	< 0.48	< 0.48	< 0.34	< 0.69		< 0.74	< 0.18	< 0.37	< 0.37	< 0.18	< 0.37	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE	< 12	< 110	< 45	< 36	< 2.2	< 1.1	< 11	< 2.8	< 6.3	< 1.3	< 1.3	< 4.2	< 8.4		< 8.4	< 2.1	< 4.2	< 4.2	< 2.1	< 4.2	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE	< 500	< 2100	< 830	< 660	< 41	< 32	< 320	< 79	< 204	< 40.8	< 40.8	< 48.7	< 97.4		790	< 24.3	< 48.7	< 48.7	< 24.3	< 48.7	NA		< 33	< 66	52
Isopropyl ether	0001082	NSE	NSE	< 7.8	< 61	< 25	< 20	< 1.2	< .95	< 9.5	< 2.4	< 2.5	< 0.50	< 0.50	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 0.13		< 0.13	< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE	< 8.8	< 54	< 22	< 17	< 1.1	2.3	< 11	< 2.8	2.3	< 0.34	2.8	1.2	0.98		0.98	0.29	0.95	1.0	< 0.14	1.2	1.1		1.2	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800	< 25	< 250	< 100	< 80	< 5	< 5	< 50	< 13	< 13.5	< 2.7	< 2.7	< 6.0	< 11.9		< 11.9	< 3.0	< 6.0	< 6.0	< 3.0	< 6.0	< 0.58		< 0.58	< 0.52	0.97
Methyl Isobutyl Ketone	0001081	500	50	< 18	< 130	< 53	< 42	< 2.7	< 1.6	< 16	< 3.9	< 11.7	< 2.3	< 2.3	< 4.3	< 8.6		< 8.6	< 2.1	< 4.3	< 4.3	< 2.1	< 4.3	< 0.11		< 0.11	< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12	< 9.6	< 71	< 28	< 23	< 1.4	< .95	< 9.5	< 2.4	< 2.5	< 0.49	< 0.49	< 0.35	< 0.70		< 0.70	< 0.17	< 0.35	< 0.35	< 0.17	< 0.35	< 0.12		< 0.12	< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5	< 11	< 120	< 48	< 38	< 2.4	< 2	< 20	< 5	< 1.8	< 0.36	< 0.36	< 0.47	< 0.93		< 0.93	< 0.23	< 0.47	< 0.47	0.56	< 0.47	< 0.56		< 0.56	< 0.86	< 0.86
Naphthalene	0000912	100	10	< 16	< 100	< 41	< 32	< 2	< 1.6	< 16	< 4	< 12.5	< 2.5	< 2.5	< 5.0	< 10.0		< 10.0	< 2.5	< 5.0	< 5.0	< 2.5	< 5.0	0.22		0.34	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE	< 11	< 45	< 18	< 14	< .91	< 1.2	< 12	< 3.1	< 2.0	< 0.40	< 0.40	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE	< 8.2	< 48	< 19	< 15	< .95	< 1	< 10	< 2.5	< 2.0	< 0.40	< 0.40	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 0.14		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10	< 10	< 43	< 17	< 14	< .86	4.5	< 9.7	< 2.4	< 1.7	< 0.35	< 0.35	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5	< 5.9	< 52	< 21	< 16	< 1	< .73	< 7.3	< 1.8	< 2.4	< 0.47	< 0.47	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 0.27		< 0.27	< 0.39	< 0.39
Toluene	0001088	800	160	3300	3100	1000	790	7.9	310	300	87	129	1.3	160	78.7	58.0		20.0	1.7	12.0	11.7	1.4	12.9	7.4		10	1.2	0.97
Total TriMthBenzenes	TOTALT	480	96	52	< 45	< 18	< 14	< .91	8.7	< 12	3.6	< 12.5	< .5	< .5	< 1	< 4		4.1	1	3.7	2.1	< 1	4.7	6		7.3	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400	3830	3980	2010	1270	6.5	980	1300	540	< 2.5	< .5	< .5	< 1	824		458	25.3	426	387	5.1	322.2	172		165	10	3.4
Trichloroethene	0000790	5	0.5	< 19	< 42	< 17	< 13	< .84	< 1.2	< 12	< 3.1	< 2.1	< 0.36	< 0.36	< 0.66	< 1.3		< 1.3	< 0.33	< 0.66	< 0.66	< 0.33	< 0.66	< 0.30		< 0.3	< 0.43	< 0.43
Vinyl Chloride	0000750	0.2	0.02	670	560	630	460	3.3	290	240	120	94.3	1.8	89.5	35.5	34.2		3.6	4.2	10.9	11.3	4.5	14.1	8.5		6.5	2.8	1
Xylene - M & P	1796012	2000	400	2900	3000	1500	960	4.1	740	1000	430	1100	1.7	1050	677	628		355	20.5	330	298	4.1	257	140		130	7.9	2.5
Xylene - O	0000954	2000	400	930	980	510	310	2.4	240	300	110	355	0.78	327	235	196		103	4.8	96.0	89.0	1.0	65.2	32		35	2.1	0.9

112 **W-2**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40					85				37.0			23.2			20.7		16.8		5.5		32			3.8	62
1,1,2-Trichloroethane	0000790	5	0.5					< .25				< 0.39			< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85					.23				< 0.28			< 0.16			< 0.24		< 0.24		< 0.24		< 0.31			< 0.44	1.1
1,1-Dichloroethene	0000753	7	0.7					2				1.6			0.56			0.51		< 0.41		< 0.41		< 0.28			< 0.4	1.7
1,2,3-Trichlorobenzene	0000876	NSE	NSE					< .26				< 0.77			< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14					< .28				< 2.5			< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7					< .21				< 0.42			< 0.26			< 0.26		< 0.26		< 0.26		< 0.25			< 0.42	1.5
1,2-Dichlorobenzene	0000955	600	60					< .19				< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5					< .24				< 0.48			< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	< 0.44
1,2-Dichloropropane	0000788	5	0.5					< .2				< 0.50			< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20					< .19				< 0.37			< 0.24			< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	< 0.48
1,4-Dichlorobenzene	0001064	75	15					< .22				< 0.43			< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96					< .24				< 0.57			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96					< .25				< 2.5			< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE					< .26				< 0.48			< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	< 0.36
Acetone	0000676	9000	1800					4.7				< 2.6			< 3.0			5.0		< 3.0		< 3.0		2.5			< 1.1	< 6.2
Benzene	0000714	5	0.5					< .26				< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	< 0.46
Chloroethane	0000750	400	80					< 2.1				< 0.44			< 0.37			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	< 0.68
Chloroform	0000676	6	0.6					< .23				< 0.69			< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	< 0.46
Chloromethane	0000748	30	3					< .24				< 0.39			< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200					< .19				< 0.40			< 0.16			< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	< 0.68
Ethylbenzene	0001004	700	140					< .22				< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		0.62			< 0.34	< 0.34
Fluorotrichloromethane	0000756	3490	698					< .25				< 0.48			< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE					< .23				< 1.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE					31				< 40.8			30.6			129		< 24.3		< 24.3		NA			< 33	53
Isopropyl ether	0001082	NSE	NSE					< .19				< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE					< .22				< 0.34			< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800					1.8				< 2.7			< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	< 0.52
Methyl Isobutyl Ketone	0001081	500	50					< .31				< 2.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12					< .19				< 0.49			< 0.17			< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5					< .4				< 0.36			< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	< 0.86
Naphthalene	0000912	100	10					< .32				< 2.5			< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE					< .24				< 0.40			< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE					< .2				< 0.40			< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	< 0.26
Styrene	0001004	100	10					< .19				< 0.35			< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5					***68***				***45.8***			***21.6***			***27.1***		***31.0***		***12.3***		***41***			***7.1***	***92***
Toluene	0001088	800	160					< .23				< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		0.73			< 0.45	< 0.45
Total TriMthBenzenes	TOTALT	480	96					< .24				< .57			< .5			< 1		< 1		< 1		< .66			< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400					< .22				< .5			< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	< 1.12
Trichloroethene	0000790	5	0.5					***18***				***9.4***			***6.0***			4.5		3.3		0.80		***6.6***			0.46	***23***
Vinyl Chloride	0000750	0.2	0.02					< .15				< 0.18			< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	< 0.53
Xylene - M & P	1796012	2000	400					< .46				< 0.82			< 1.0			< 1.0		< 1.0		< 1.0		1.3			< 0.81	< 0.81
Xylene - O	0000954	2000	400					< .22				< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	< 0.31

115 **W-2A**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .13		10		< .22		< .21		< 0.44			< 0.50			< 0.50		< 0.50		4.4		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .17		< .23		< .25		< 0.39			< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85	< .17		< .16		< .21		< .19		< 0.28			2.3			< 0.24		< 0.24		1.3		< 0.31			< 0.44	
1,1-Dichloroethene	0000753	7	0.7	< .22		.16		< .21		< .2		< 0.43			< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .23		< .27		< .26		< 0.77			< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .3		< .32		< .28		< 2.5			< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .12		< .2		< .21		< 0.42			1.2			< 0.26		< 0.26		5.6		< 0.25			0.57	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .16		< .19		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .22		< .16		< .24		< 0.48			< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .21		< .22		< .2		< 0.50			< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .13		< .26		< .19		< 0.37			0.76			< 0.26		< 0.26		0.50		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .13		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .12		< .18		< .24		< 0.57			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .12		< .2		< .25		< 2.5			< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .15		< .2		< .26		< 0.48			< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800	< 4		< 4		< 4.2		< 4.2		< 2.6			< 3.0			3.2		< 3.0		< 3.0		< 0.92			3.1	
Benzene	0000714	5	0.5	< .24		< .13		< .2		< .26		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	
Chloroethane	0000750	400	80	< 1.1		< .67		< 1.5		< 2.1		< 0.44			1.5			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	
Chloroform	0000676	6	0.6	< .13		< .13		< .2		< .23		< 0.69			< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3	< .23		< .28		< .23		< .24		< 0.39			< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .13		< .29		< .19		< 0.40			< 0.16			< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140	< .15		< .12		< .21		< .22		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	
Fluorotrichloromethane	0000756	3490	698	< .21		< .11		< .32		< .25		< 0.48			< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .36		< .45		< .23		< 1.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	< 10		< 14		< 8.3		< 6.3		< 40.8			36.5			75.8		< 24.3		< 24.3		NA			< 33	
Isopropyl ether	0001082	NSE	NSE	< .16		< .2		< .25		< .19		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .1		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	< .5		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .64		< .53		< .31		< 2.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .13		< .28		< .19		< 0.49			< 0.17			< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	
Methylene Chloride	0000750	5	0.5	< .22		.31		< .48		< .4		< 0.36			< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	
Naphthalene	0000912	100	10	< .32		< .31		< .41		< .32		< 2.5			< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .14		< .18		< .24		< 0.40			< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .11		< .19		< .2		< 0.40			< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10	< .2		< .11		< .17		< .19		< 0.35			< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5	< .12		***8.1***		< .21		< .15		< 0.47			< 0.50			< 0.50		< 0.50		0.94		< 0.27			0.99	
Toluene	0001088	800	160	< .18		< .16		< .17		< .23		< 0.44			7.6			< 0.50		< 0.50		< 0.50		1.5			< 0.45	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .12		< .18		< .24		< .57			< .5			< 1		< 1		< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400	< .17		< .16		< .24		< .22		< .5			< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	
Trichloroethene	0000790	5	0.5	< .37		2.3		< .17		< .25		< 0.43			< 0.33			< 0.33		< 0.33		0.54		< 0.30			< 0.43	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .17		< .18		< .15		< 0.18			< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	
Xylene - M & P	1796012	2000	400	< .28		< .22		< .33		< .46		< 0.82			< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	
Xylene - O	0000954	2000	400	< .17		< .16		< .24		< .22		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	

118 **W-2B**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40										5		1.7			1.0		0.98		26.6		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5										< 0.39		< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85										0.43		0.22			< 0.24		< 0.24		8.2		< 0.31			< 0.44	
1,1-Dichloroethene	0000753	7	0.7										0.45		< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE										< 0.77		< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14										< 2.5		< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7										< 0.42		< 0.26			< 0.26		< 0.26		36.4		< 0.25			< 0.42	
1,2-Dichlorobenzene	0000955	600	60										< 0.44		< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5										< 0.48		< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	
1,2-Dichloropropane	0000788	5	0.5										< 0.50		< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20										< 0.37		< 0.24			< 0.26		< 0.26		1.3		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15										< 0.43		< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96										< 0.50		< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96										< 0.50		< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE										< 0.48		< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800										< 2.6		< 3.0			< 3.0		< 3.0		< 3.0		< 0.92			< 1.1	
Benzene	0000714	5	0.5										< 0.50		< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	
Chloroethane	0000750	400	80										< 0.44		< 0.37			< 0.37		< 0.37		0.39		< 0.29			< 0.68	
Chloroform	0000676	6	0.6										< 0.69		< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3										< 0.39		< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200										< 0.40		< 0.16			< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140										< 0.50		< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	
Fluorotrichloromethane	0000756	3490	698										< 0.48		< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE										< 1.3		< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE										< 40.8		< 24.3			26.8		< 24.3		< 24.3		NA			< 33	
Isopropyl ether	0001082	NSE	NSE										< 0.50		< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE										< 0.34		< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800										< 2.7		< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50										< 2.3		< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	
Methyl tert-butyl Ether	0016340	60	12										< 0.49		< 0.17			< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	
Methylene Chloride	0000750	5	0.5										< 0.36		< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	
Naphthalene	0000912	100	10										< 2.5		< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE										< 0.40		< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE										< 0.40		< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10										< 0.35		< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5										2.1		0.86			0.79		1.1		3.5		< 0.27			< 0.39	
Toluene	0001088	800	160										1.9		1.7			< 0.50		< 0.50		< 0.50		1.9			< 0.45	
Total TriMthBenzenes	TOTALT	480	96										< .5		< .5			< 1		< 1		< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400										< .5		< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	
Trichloroethene	0000790	5	0.5										3.5		0.91			0.35		0.48		2.6		< 0.30			< 0.43	
Vinyl Chloride	0000750	0.2	0.02										< 0.18		< 0.18			< 0.18		< 0.18		0.18		< 0.20			< 0.53	
Xylene - M & P	1796012	2000	400										< 0.82		< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	
Xylene - O	0000954	2000	400										< 0.50		< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	

121 **W-3**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40					< .21				< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5					< .25				< 0.39			< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85					< .19				< 0.28			< 0.16			< 0.24		< 0.24		< 0.24		< 0.31			< 0.44	
1,1-Dichloroethene	0000753	7	0.7					< .2				< 0.43			< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE					< .26				< 0.77			< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14					< .28				< 2.5			< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7					< .21				< 0.42			< 0.26			< 0.26		< 0.26		< 0.26		< 0.25			< 0.42	
1,2-Dichlorobenzene	0000955	600	60					< .19				< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5					< .24				< 0.48			< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	
1,2-Dichloropropane	0000788	5	0.5					< .2				< 0.50			< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20					< .19				< 0.37			< 0.24			< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15					< .22				< 0.43			< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96					< .24				< 0.57			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96					< .25				< 2.5			< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE					< .26				< 0.48			< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800					9				2.9			< 3.0			< 3.0		< 3.0		< 3.0		3.0			< 4.4	
Benzene	0000714	5	0.5					< .26				< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	
Chloroethane	0000750	400	80					< 2.1				< 0.44			< 0.37			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	
Chloroform	0000676	6	0.6					< .23				< 0.69			< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3					< .24				< 0.39			< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200					< .19				< 0.40			< 0.16			< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140					< .22				< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	
Fluorotrichloromethane	0000756	3490	698					< .25				< 0.48			< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE					< .23				< 1.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE					44				< 40.8			31.2			26.0		< 24.3		< 24.3		NA			< 66	
Isopropyl ether	0001082	NSE	NSE					< .19				< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE					< .22				< 0.34			< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800					< 1				< 2.7			< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50					< .31				< 2.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	
Methyl tert-butyl Ether	0016340	60	12					< .19				< 0.49			< 0.17			< 0.17		< 0.17		< 0.17		14			< 0.45	
Methylene Chloride	0000750	5	0.5					< .4				< 0.36			< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	
Naphthalene	0000912	100	10					< .32				< 2.5			< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE					< .24				< 0.40			< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE					< .2				< 0.40			< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10					< .19				< 0.35			< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5					.35				< 0.47			< 0.50			< 0.50		< 0.50		< 0.50		< 0.27			< 0.39	
Toluene	0001088	800	160					< .23				< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
Total TriMthBenzenes	TOTALT	480	96					< .24				< .57			< .5			< 1		< 1		< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400					< .22				< .5			< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	
Trichloroethene	0000790	5	0.5					< .25				< 0.43			< 0.33			< 0.33		< 0.33		< 0.33		< 0.30			< 0.43	
Vinyl Chloride	0000750	0.2	0.02					< .15				< 0.18			< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	
Xylene - M & P	1796012	2000	400					< .46				< 0.82			< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	
Xylene - O	0000954	2000	400					< .22				< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	

124 **W-3A**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .13		< .2		< .22		< .21		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .17		< .23		< .25		< 0.39			< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85	< .17		< .16		< .21		< .19		< 0.28			< 0.16			< 0.24		< 0.24		< 0.24		< 0.31			< 0.44	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .15		< .21		< .2		< 0.43			< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .23		< .27		< .26		< 0.77			< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .3		< .32		< .28		< 2.5			< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .12		< .2		< .21		< 0.42			< 0.26			< 0.26		< 0.26		0.30		< 0.25			1.4	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .16		< .19		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .22		< .16		< .24		< 0.48			< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .21		< .22		< .2		< 0.50			< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .13		< .26		< .19		< 0.37			< 0.24			< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .13		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .12		< .18		< .24		< 0.57			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .12		< .2		< .25		< 2.5			< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .15		< .2		< .26		< 0.48			< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800	< 4		4		< 4.2		6.6		< 2.6			< 3.0			< 3.0		< 3.0		< 3.0		5.0			< 1.1	
Benzene	0000714	5	0.5	< .24		< .13		< .2		< .26		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	
Chloroethane	0000750	400	80	< 1.1		< .67		< 1.5		< 2.1		< 0.44			< 0.37			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	
Chloroform	0000676	6	0.6	< .13		< .13		< .2		< .23		< 0.69			< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3	< .23		< .28		< .23		< .24		< 0.39			< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .13		< .29		< .19		< 0.40			< 0.16			< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140	< .15		< .12		< .21		< .22		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	
Fluorotrichloromethane	0000756	3490	698	< .21		< .11		< .32		< .25		< 0.48			< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .36		< .45		< .23		< 1.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	< 10		< 14		< 8.3		20		< 40.8			< 24.3			< 24.3		< 24.3		< 24.3		NA			< 33	
Isopropyl ether	0001082	NSE	NSE	< .16		< .2		< .25		< .19		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .1		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	.54		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .64		< .53		< .31		< 2.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .13		< .28		< .19		< 0.49			< 0.17			< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	
Methylene Chloride	0000750	5	0.5	< .22		.4		< .48		< .4		< 0.36			< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	
Naphthalene	0000912	100	10	< .32		< .31		< .41		< .32		< 2.5			< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .14		< .18		< .24		< 0.40			< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .11		< .19		< .2		< 0.40			< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10	< .2		< .11		< .17		< .19		< 0.35			< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5	< .12		< .18		< .21		< .15		< 0.47			< 0.50			< 0.50		< 0.50		< 0.50		< 0.27			< 0.39	
Toluene	0001088	800	160	< .18		.21		< .17		< .23		< 0.44			0.97			< 0.50		< 0.50		< 0.50		1.5			< 0.45	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .12		< .18		< .24		< .57			< .5			< 1		< 1		< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400	< .17		< .16		< .24		< .22		< .5			< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	
Trichloroethene	0000790	5	0.5	< .37		< .16		< .17		.27		< 0.43			< 0.33			< 0.33		< 0.33		< 0.33		< 0.30			< 0.43	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .17		< .18		< .15		< 0.18			< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	
Xylene - M & P	1796012	2000	400	< .28		< .22		< .33		< .46		< 0.82			< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	
Xylene - O	0000954	2000	400	< .17		< .16		< .24		< .22		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	

127 **W-3B**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .13		< .22		< .22		< .21		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .23		< .23		< .25		< 0.39			< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85	< .17		< .21		.45		< .19		< 0.28			< 0.16			< 0.24		< 0.24		< 0.24		< 0.31			< 0.44	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .21		< .21		< .2		< 0.43			< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .27		< .27		< .26		< 0.77			< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .32		< .32		< .28		< 2.5			< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .2		.38		< .21		< 0.42			< 0.26			< 0.26		< 0.26		< 0.26		< 0.25			0.57	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .16		< .16		< .19		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .16		< .16		< .24		< 0.48			< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .22		< .22		< .2		< 0.50			< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .26		< .26		< .19		< 0.37			< 0.24			< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .22		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .18		< .18		< .24		< 0.57			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .2		< .2		< .25		< 2.5			< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .2		< .2		< .26		< 0.48			< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800	< 4		9.2		< 4.2		< 4.2		< 2.6			< 3.0			3.2		< 3.0		< 3.0		1.9			< 1.1	
Benzene	0000714	5	0.5	< .24		< .2		< .2		< .26		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	
Chloroethane	0000750	400	80	< 1.1		< 1.5		< 1.5		< 2.1		< 0.44			< 0.37			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	
Chloroform	0000676	6	0.6	< .13		< .2		< .2		< .23		< 0.69			< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3	< .23		< .23		< .23		< .24		< 0.39			< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .29		< .29		< .19		< 0.40			< 0.16			< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140	< .15		< .21		< .21		< .22		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	
Fluorotrichloromethane	0000756	3490	698	< .21		< .32		< .32		< .25		< 0.48			< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .45		< .45		< .23		< 1.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	< 10		9.1		< 8.3		9.6		< 40.8			27.8			26.2		< 24.3		< 24.3		NA			< 33	
Isopropyl ether	0001082	NSE	NSE	< .16		< .25		< .25		< .19		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .22		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	< .5		2.2		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .53		< .53		< .31		< 2.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .28		< .28		< .19		< 0.49			< 0.17			< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	
Methylene Chloride	0000750	5	0.5	< .22		< .48		< .48		< .4		< 0.36			< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	
Naphthalene	0000912	100	10	< .32		< .41		< .41		< .32		< 2.5			< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .18		< .18		< .24		< 0.40			< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .19		< .19		< .2		< 0.40			< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10	< .2		< .17		< .17		< .19		< 0.35			< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5	< .12		< .21		< .21		< .15		< 0.47			< 0.50			< 0.50		< 0.50		< 0.50		< 0.27			< 0.39	
Toluene	0001088	800	160	< .18		.2		2.1		< .23		< 0.44			1.0			< 0.50		< 0.50		< 0.50		0.39			< 0.45	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .18		< .18		< .24		< .57			< .5			< 1		< 1		< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400	< .17		< .24		< .24		< .22		< .5			< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	
Trichloroethene	0000790	5	0.5	< .37		< .17		< .17		< .25		< 0.43			< 0.33			< 0.33		< 0.33		< 0.33		< 0.30			< 0.43	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .18		< .18		< .15		< 0.18			< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	
Xylene - M & P	1796012	2000	400	< .28		< .33		< .33		< .46		< 0.82			< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	
Xylene - O	0000954	2000	400	< .17		< .24		< .24		< .22		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	

130 **W-4**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40					< .21		< .21		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5					< .25		< .25		< 0.39			< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85					< .19		< .19		< 0.28			< 0.16			< 0.24		< 0.24		< 0.24		< 0.31			< 0.44	
1,1-Dichloroethene	0000753	7	0.7					< .2		< .2		< 0.43			< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE					< .26		< .26		< 0.77			< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14					< .28		< .28		< 2.5			< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7					< .21		< .21		< 0.42			< 0.26			< 0.26		< 0.26		< 0.26		< 0.25			< 0.42	
1,2-Dichlorobenzene	0000955	600	60					< .19		< .19		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5					< .24		< .24		< 0.48			< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			3.5	
1,2-Dichloropropane	0000788	5	0.5					< .2		< .2		< 0.50			< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20					< .19		< .19		< 0.37			< 0.24			< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15					< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96					< .24		< .24		< 0.57			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96					< .25		< .25		< 2.5			< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE					< .26		< .26		< 0.48			< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800					4.4		34		6.7			6.8			< 3.0		< 3.0		< 3.0		< 0.92			< 3	
Benzene	0000714	5	0.5					< .26		< .26		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	
Chloroethane	0000750	400	80					< 2.1		< 2.1		< 0.44			< 0.37			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	
Chloroform	0000676	6	0.6					< .23		< .23		< 0.69			< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3					< .24		< .24		< 0.39			< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200					< .19		< .19		< 0.40			< 0.16			< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140					< .22		< .22		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	
Fluorotrichloromethane	0000756	3490	698					< .25		< .25		< 0.48			< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE					< .23		< .23		< 1.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE					45		19		< 40.8			82.8			< 24.3		< 24.3		< 24.3		NA			< 33	
Isopropyl ether	0001082	NSE	NSE					< .19		< .19		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE					< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800					< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50					< .31		2.6		< 2.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	
Methyl tert-butyl Ether	0016340	60	12					< .19		< .19		< 0.49			***115***			< 0.17		< 0.17		< 0.17		< 0.12			0.75	
Methylene Chloride	0000750	5	0.5					< .4		< .4		< 0.36			1.0			< 0.23		< 0.23		< 0.23		< 0.56			***97***	
Naphthalene	0000912	100	10					< .32		< .32		< 2.5			< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE					< .24		< .24		< 0.40			< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE					< .2		< .2		< 0.40			< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10					< .19		< .19		< 0.35			< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5					2.9		.61		0.70			0.57			< 0.50		< 0.50		< 0.50		< 0.27			< 0.39	
Toluene	0001088	800	160					< .23		< .23		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
Total TriMthBenzenes	TOTALT	480	96					< .24		< .24		< .57			< .5			< 1		< 1		< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400					< .22		< .22		< .5			< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	
Trichloroethene	0000790	5	0.5					< .25		< .25		< 0.43			< 0.33			< 0.33		< 0.33		< 0.33		< 0.30			1.5	
Vinyl Chloride	0000750	0.2	0.02					< .15		< .15		< 0.18			< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	
Xylene - M & P	1796012	2000	400					< .46		< .46		< 0.82			< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	
Xylene - O	0000954	2000	400					< .22		< .22		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	

133 **W-5**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	4.7	8.4	57	81	40	69	120	270	23.5	25		40.9	23.6		49.8	49.3	12.4	2.3	< 0.50	< 0.50	< 0.36		< 0.36	< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< 1	< .56	< .17	< 1.3	< 2.5	< 2.5	< 5.1	< 5.1	< 0.39	< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40		< 0.4	< 0.46	
1,1-Dichloroethane	0000753	850	85	31	32	130	71	20	81	200	370	16.4	41.9		67.9	22.8		68.4	38.0	9.9	0.35	< 0.24	< 0.24	< 0.31		< 0.31	< 0.44	
1,1-Dichloroethene	0000753	7	0.7	< 1.1	< .52	< .15	< 1.2	< 2	< 2	< 4	< 4	1.3	< 0.43		< 0.41	0.51		< 0.41	0.61	0.76	< 0.41	< 0.41	< 0.41	< 0.28		< 0.28	< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 1.5	< .68	< .23	< 1.8	< 2.6	< 2.6	< 5.2	< 5.2	< 0.77	< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.17		< 0.17	< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< 1.1	< .8	< .3	< 2.4	< 2.8	< 2.8	< 5.6	< 5.6	< 2.5	< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 0.21		< 0.21	< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	11	13	95	68	18	53	140	290	13.9	21.7		37.1	6.8		24.5	9.3	3.2	0.49	< 0.26	< 0.26	< 0.25		< 0.25	< 0.42	
1,2-Dichlorobenzene	0000955	600	60	< .79	< .4	< .13	< 1	< 1.9	< 1.9	< 3.7	< 3.7	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22	< 0.32	
1,2-Dichloroethane	0001070	5	0.5	< .76	< .41	< .22	< 1.8	< 2.4	< 2.4	< 4.9	< 4.9	< 0.48	< 0.48		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17		< 0.17	< 0.44	
1,2-Dichloropropane	0000788	5	0.5	< 1.6	< .54	.26	< 1.7	< 2	< 2	< 3.9	< 3.9	< 0.50	< 0.50		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.25		< 0.25	< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< 1	< .65	1.8	1.1	< 1.9	< 1.9	< 3.9	< 3.9	0.44	0.49		0.62	0.41		1.4	0.44	< 0.26	< 0.26	< 0.26	< 0.26	< 0.28		< 0.28	< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< 1.5	< .56	< .13	< 1	< 2.2	< 2.2	< 4.4	< 4.4	< 0.43	< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.21		< 0.21	< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .95	< .45	< .12	< .96	< 2.4	< 2.4	< 4.7	< 4.7	< 0.57	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.37		< 0.37	< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .97	< .49	< .12	< .97	< 2.5	< 2.5	< 5.1	< 5.1	< 2.5	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.29		< 0.29	< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .95	< .5	< .15	< 1.2	< 2.6	< 2.6	< 5.1	< 5.1	< 0.48	< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.32		< 0.32	< 0.36	
Acetone	0000676	9000	1800	< 20	< 10	4.2	< 32	< 42	< 42	< 83	< 83	< 2.6	3.3		< 3.0	< 3.0		9.4	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	3.3		< 0.92	< 1.1	
Benzene	0000714	5	0.5	< 1.2	< .49	< .13	< 1	< 2.6	< 2.6	< 5.1	< 5.1	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.30		< 0.3	< 0.46	
Chloroethane	0000750	400	80	< 5.7	< 3.8	.77	< 5.4	< 21	< 21	< 41	< 41	< 0.44	0.69		1.7	< 0.37		1.2	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.29		< 0.29	< 0.68	
Chloroform	0000676	6	0.6	< .65	< .51	< .13	< 1	< 2.3	< 2.3	< 4.5	< 4.5	< 0.69	< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 0.26		< 0.26	< 0.46	
Chloromethane	0000748	30	3	< 1.2	.8	< .28	< 2.2	< 2.4	< 2.4	< 4.8	< 4.8	< 0.39	< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.17		< 0.17	< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< 1.2	< .72	< .13	1.1	< 1.9	< 1.9	< 3.8	< 3.8	< 0.40	< 0.40		< 0.16	< 0.20		< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.13		< 0.13	< 0.68	
Ethylbenzene	0001004	700	140	< .77	< .52	< .12	< .96	< 2.2	< 2.2	< 4.3	< 4.3	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.40		< 0.4	< 0.34	
Fluorotrichloromethane	0000756	3490	698	< 1.1	< .79	2.1	< .86	< 2.5	< 2.5	< 5.1	< 5.1	< 0.48	< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.20		< 0.2	< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< 1.2	< 1.1	< .36	< 2.9	< 2.3	< 2.3	< 4.5	< 4.5	< 1.3	< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.24		< 0.24	< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	< 50	< 21	< 14	< 110	< 63	< 63	< 130	< 130	< 40.8	58.9		< 24.3	< 24.3		< 24.3	< 24.3	< 24.3	< 24.3	< 24.3	< 24.3	NA		< 33	< 33	
Isopropyl ether	0001082	NSE	NSE	< .78	< .61	< .2	< 1.6	< 1.9	< 1.9	< 3.8	< 3.8	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.13		< 0.13	< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .88	< .54	< .1	< .81	< 2.2	< 2.2	< 4.4	< 4.4	< 0.34	< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.31		< 0.31	< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	< 2.5	< 2.5	< 1	< 8	< 10	< 10	< 20	< 20	< 2.7	< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 0.58		< 0.58	< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	< 1.8	< 1.3	< .64	< 5.1	< 3.1	< 3.1	< 6.3	< 6.3	< 2.3	< 2.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.11		< 0.11	< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< .96	< .71	< .13	< 1	< 1.9	< 1.9	< 3.8	< 3.8	< 0.49	< 0.49		< 0.17	0.36		< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	0.29	< 0.12		< 0.12	< 0.45	
Methylene Chloride	0000750	5	0.5	< 1.1	< 1.2	6	< 2.1	< 4	< 4	32	18	30.8	< 0.36		29.6	0.94		0.48	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	1.8		< 0.56	< 0.86	
Naphthalene	0000912	100	10	< 1.6	< 1	< .31	< 2.5	< 3.2	< 3.2	< 6.4	< 6.4	< 2.5	< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 0.18		< 0.18	< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< 1.1	< .45	< .14	< 1.1	< 2.4	< 2.4	< 4.9	< 4.9	< 0.40	< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22	< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< .82	< .48	< .11	< .86	< 2	< 2	< 4.1	< 4.1	< 0.40	< 0.40		< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.14		< 0.14	< 0.26	
Styrene	0001004	100	10	< 1	< .43	< .11	< .87	< 1.9	< 1.9	< 3.9	< 3.9	< 0.35	< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.24		< 0.24	< 0.33	
Tetrachloroethene	0001271	5	0.5	1.5	3.7	4.9	6.4	4.6	6.8	4.8	11	2.2	1.8		1.9	2.3		2.5	2.3	1.4	0.81	< 0.50	< 0.50	< 0.27		< 0.27	0.51	
Toluene	0001088	800	160	< .89	< .43	< .16	< 1.2	< 2.3	< 2.3	< 4.6	< 4.6	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.37		< 0.37	< 0.45	
Total TriMthBenzenes	TOTALT	480	96	< .95	< .45	< .12	< .96	< 2.4	< 2.4	< 4.7	< 4.7	< .57	< .5		< .5	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< .66		< .66	< 1.1	
Total Xylenes	TOTAL X	2000	400	< .83	< .6	< .16	< 1.2	< 2.2	< 2.2	< 4.5	< 4.5	< .5	< .5		< .5	< 1.5		< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.33		< 1.33	< 1.12	
Trichloroethene	0000790	5	0.5	< 1.9	1.8	2.8	4.4	< 2.5	4.4	5.2	14	0.56	3		0.60	1.1		1.1	1.5	0.82	0.95	< 0.33	< 0.33	< 0.30		< 0.3	< 0.43	
Vinyl Chloride	0000750	0.2	0.02	< .85	< .46	1.5	< 1.4	< 1.5	< 1.5	< 3	< 3	< 0.18	< 0.18		0.59	< 0.18		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.20		< 0.2	< 0.53	
Xylene - M & P	1796012	2000	400	< 1.4	< .84	< .22	< 1.8	< 4.6	< 4.6	< 9.1	< 9.1	< 0.82	< 0.82		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.98		< 0.98	< 0.81	
Xylene - O	0000954	2000	400	< .83	< .6	< .16	< 1.2	< 2.2	< 2.2	< 4.5	< 4.5	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.35		< 0.35	< 0.31	

136 **W-6**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	37	< 1.1	.71		1.7	2.1			1.3										27.7	26.9	16		29	39	18
1,1,2-Trichloroethane	0000790	5	0.5	< 4.5	< 1.1	< .23		< .25	< .25			< 0.39										< 3.9	< 2.0	< 0.40		1.7	1.5	1.9
1,1-Dichloroethane	0000753	850	85	220	12	2.6		< .19	17			18.5										538	331	120		320	170	390
1,1-Dichloroethene	0000753	7	0.7	< 4.2	< 1	.23		< .2	< .2			< 0.43										< 8.2	< 4.1	< 0.28		1.6	1.4	1.3
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 5.4	< 1.4	< .27		< .26	< .26			< 0.77										< 42.7	< 21.3	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14	< 6.4	< 1.6	< .32		< .28	< .28			< 2.5										< 44.2	< 22.1	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7	***120***	2.3	9.8		2.8	19			3.0										***1500***	***821***	57		***210***	***140***	***110***
1,2-Dichlorobenzene	0000955	600	60	8.1	8	1.2		< .19	.26			< 0.44										26.3	14.3	2.5		2.8	0.84	1
1,2-Dichloroethane	0001070	5	0.5	***18***	.94	< .16		.48	.46			< 0.48										< 3.4	< 1.7	< 0.17		2.4	1.2	4.3
1,2-Dichloropropane	0000788	5	0.5	< 4.3	< 1.1	< .22		.23	< .2			< 0.50										< 4.7	3.9	2.3		2.9	1.8	4.6
1,2-trans-Dichloroethene	0001566	100	20	< 5.2	< 1.3	< .26		.37	.77			< 0.37										18.4	5.6	< 0.28		1.9	1.6	2.1
1,4-Dichlorobenzene	0001064	75	15	< 4.4	1.3	.27		< .22	< .22			< 0.43										< 10.0	< 5.0	< 0.21		< 0.21	< 0.35	0.38
124TRIMTHLBENZEN	0000956	480	96	42	47	9.3		.57	1.5			< 0.57										49.0	8.3	0.61		1.7	0.47	0.49
135TRIMTHLBENZEN	0001086	480	96	8.7	< .98	1.1		< .25	< .25			< 2.5										< 10.0	< 5.0	< 0.29		< 0.29	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE	7.1	8.1	1.1		< .26	< .26			< 0.48										< 10.0	< 5.0	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800	< 83	71	31		< 4.2	14			30.5										< 59.1	323	47		2.7	< 1.1	< 6.2
Benzene	0000714	5	0.5	< 3.9	< .98	< .2		< .26	< .26			< 0.50										< 10.0	< 5.0	< 0.30		< 0.3	< 0.46	1
Chloroethane	0000750	400	80	130	< 7.6	< 1.5		< 2.1	< 2.1			1.9										106	41.2	< 0.29		32	20	55
Chloroform	0000676	6	0.6	< 4	< 1	< .2		1.6	.65			< 0.69										< 50.0	< 25.0	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3	< 4.7	< 1.2	< .23		< .24	< .24			< 0.39										< 10.0	< 5.0	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200	< 5.8	< 1.4	< .29		< .19	.51			< 0.40										< 4.5	< 2.2	< 0.13		< 0.13	< 0.68	< 0.68
Ethylbenzene	0001004	700	140	130	43	10		.26	.87			< 0.50										279	27.2	0.71		2.1	1	< 0.34
Fluorotrichloromethane	0000756	3490	698	< 6.3	< 1.6	< .32		< .25	< .25			< 0.48										< 3.7	< 1.8	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE	< 8.9	< 2.2	< .45		< .23	< .23			< 1.3										< 42.1	< 21.1	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE	< 170	< 41	11		64	19			< 40.8										< 487	< 243	NA		< 33	< 33	< 33
Isopropyl ether	0001082	NSE	NSE	< 4.9	< 1.2	< .25		< .19	< .19			< 0.50										< 10.0	< 5.0	< 0.13		< 0.13	< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE	4.8	2.9	.52		< .22	.34			< 0.34										10.8	< 1.4	0.80		< 0.31	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800	< 20	7.7	9.9		5.1	1.7			26.2										< 59.6	< 29.8	5.5		< 0.58	< 0.52	< 0.52
Methyl Isobutyl Ketone	0001081	500	50	< 11	< 2.7	< .53		< .31	< .31			< 2.3										< 42.8	< 21.4	5.3		< 0.11	< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12	< 5.7	< 1.4	< .28		< .19	< .19			1.3										< 3.5	< 1.7	1.1		< 0.12	4.4	2.1
Methylene Chloride	0000750	5	0.5	< 9.6	***5.9***	2.5		***18***	***11***			0.39										< 4.7	***7.9***	***9.5***		***6.4***	2.8	***8.8***
Naphthalene	0000912	100	10	< 8.1	8.5	3.9		1.2	.88			< 2.5										< 50.0	< 25.0	0.50		< 0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE	< 3.6	< .91	< .18		< .24	< .24			< 0.40										< 10.0	< 5.0	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE	< 3.8	< .95	< .19		< .2	< .2			< 0.40										< 10.0	< 5.0	< 0.14		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10	< 3.4	< .86	< .17		< .19	< .19			< 0.35										< 10.0	< 5.0	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5	***11***	< 1	.57		.87	1.5			0.90										< 10.0	***13.9***	***7.4***		***9.7***	***10***	***6.5***
Toluene	0001088	800	160	10	1.3	1		.24	.61			< 0.44										24.9	< 5.0	< 0.37		< 0.37	< 0.45	< 0.45
Total TriMthBenzenes	TOTALT	480	96	50.7	47	10.4		.57	1.5			< .57										49	< 10	< .66		1.7	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400	35	4.9	5.3		.56	2.56			< .5										< 30	< 15	< 1.33		1.7	< 1.12	2
Trichloroethene	0000790	5	0.5	***7.4***	< .84	1.9		1.4	4			0.83										< 6.6	***6.9***	***9.6***		***5.8***	4.2	4.9
Vinyl Chloride	0000750	0.2	0.02	***53***	***1.4***	***2.1***		***.31***	***2.9***			***1.2***										***509***	***288***	< 0.20		***31***	***30***	***100***
Xylene - M & P	1796012	2000	400	11	< 1.7	2.5		< .46	.46			< 0.82										< 20.0	< 10.0	< 0.98		< 0.98	< 0.81	< 0.81
Xylene - O	0000954	2000	400	24	4.9	2.8		.56	2.1			< 0.50										20.1	< 5.0	1.0		1.7	0.78	2

139 **W-7**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	-P 10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40				50	32	18	25	28	33.6	15.5	18.1	33.6	16.7		10.9	11.2	6.1	10.6	2.4	28.7	36		1.1	1	3.4
1,1,2-Trichloroethane	0000790	5	0.5				< .41	< 1	< 1	< .63	< .63	< 0.39	< 0.39	< 0.39	< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40		< 0.4	< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85				3.7	1.3	< .75	1.3	1.6	8.9	0.44	0.46	10.9	0.41		< 0.24	< 0.24	< 0.24	3.8	< 0.24	4.3	4.1		< 0.31	< 0.44	< 0.44
1,1-Dichloroethene	0000753	7	0.7				1.2	1.1	< .8	< .5	< .5	0.67	< 0.43	0.46	< 0.41	0.50		< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.28		< 0.28	< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE				< .56	< 1	< 1	< .65	< .65	< 0.77	< 0.77	< 0.77	< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14				< .76	< 1.1	< 1.1	< .71	< .71	< 2.5	< 2.5	< 2.5	< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7				3.1	.96	< .82	.95	1.2	5.7	< 0.42	0.45	9.2	0.35		< 0.26	< 0.26	< 0.26	21.3	< 0.26	20.6	30		< 0.25	< 0.42	< 0.42
1,2-Dichlorobenzene	0000955	600	60				< .32	< .74	< .74	< .47	< .47	< 0.44	< 0.44	< 0.44	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5				< .55	< .98	< .98	< .61	< .61	< 0.48	< 0.48	< 0.48	< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	0.27	< 0.17	< 0.17	< 0.17		< 0.17	< 0.44	< 0.44
1,2-Dichloropropane	0000788	5	0.5				< .52	< .79	< .79	< .49	< .49	< 0.50	< 0.50	< 0.50	< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.25		< 0.25	< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20				.45	< .77	< .77	< .48	< .48	0.44	< 0.37	< 0.37	0.36	< 0.26		< 0.26	< 0.26	< 0.26	0.37	< 0.26	1.9	1.8		< 0.28	< 0.48	< 0.48
1,4-Dichlorobenzene	0001064	75	15				< .32	< .87	< .87	< .55	< .55	< 0.43	< 0.43	< 0.43	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96				< .3	< .94	< .94	< .59	< .59	< 0.57	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.37		< 0.37	< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96				< .3	< 1	< 1	< .64	< .64	< 2.5	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.29		< 0.29	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE				< .36	< 1	< 1	< .64	< .64	< 0.48	< 0.48	< 0.48	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800				< 10	< 17	< 17	< 10	11	< 2.6	< 2.6	< 2.6	3.4	< 3.0		< 3.0	< 3.0	< 3.0	8.6	< 3.0	< 3.0	16		< 0.92	< 3	9.3
Benzene	0000714	5	0.5				< .33	< 1	< 1	< .64	< .64	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.30		< 0.3	< 0.46	< 0.46
Chloroethane	0000750	400	80				< 1.7	< 8.2	< 8.2	< 5.1	< 5.1	< 0.44	< 0.44	< 0.44	< 0.37	< 0.37		< 0.37	< 0.37	< 0.37	0.78	< 0.37	< 0.37	< 0.29		< 0.29	< 0.68	< 0.68
Chloroform	0000676	6	0.6				< .32	< .9	< .9	< .56	< .56	< 0.69	< 0.69	< 0.69	< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3				< .7	< .96	< .96	< .6	< .6	< 0.39	< 0.39	< 0.39	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.53	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200				< .34	< .76	< .76	< .48	< .48	< 0.40	< 0.40	< 0.40	< 0.16	< 0.20		< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.13		< 0.13	< 0.68	< 0.68
Ethylbenzene	0001004	700	140				< .3	< .86	< .86	< .54	< .54	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	5.1	< 0.50	< 0.50	1.4		< 0.4	< 0.34	< 0.34
Fluorotrichloromethane	0000756	3490	698				< .27	< 1	< 1	< .64	< .64	< 0.48	< 0.48	< 0.48	< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE				< .9	< .9	< .9	< .57	< .57	< 1.3	< 1.3	< 1.3	< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE				< 35	< 25	< 25	< 16	< 16	< 40.8	< 40.8	< 40.8	25.8	< 24.3		< 24.3	< 24.3	< 24.3	< 24.3	< 24.3	< 24.3	NA		< 33	< 33	41
Isopropyl ether	0001082	NSE	NSE				< .51	< .76	< .76	< .47	< .47	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.13		< 0.13	< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE				< .25	< .89	< .89	< .56	< .56	< 0.34	< 0.34	< 0.34	< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.31		< 0.31	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800				2.7	< 4	< 4	< 2.5	< 2.5	< 2.7	< 2.7	< 2.7	< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 0.58		< 0.58	< 0.52	< 0.52
Methyl Isobutyl Ketone	0001081	500	50				< 1.6	< 1.3	< 1.3	< .78	< .78	< 2.3	< 2.3	< 2.3	< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	3.0	< 2.1	< 2.1	< 0.11		< 0.11	< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12				< .32	< .76	< .76	< .48	< .48	< 0.49	< 0.49	< 0.49	< 0.17	0.31		< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.12		< 0.12	< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5				< .67	< 1.6	< 1.6	1.3	4.1	4.7	< 0.36	< 0.36	4.1	< 0.23		< 0.23	< 0.23	< 0.23	0.42	< 0.23	< 0.23	< 0.56		< 0.56	< 0.86	< 0.86
Naphthalene	0000912	100	10				< .77	< 1.3	< 1.3	< .8	< .8	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 0.18		< 0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE				< .34	< .98	< .98	< .61	< .61	< 0.40	< 0.40	< 0.40	< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE				< .27	< .81	< .81	< .51	< .51	< 0.40	< 0.40	< 0.40	< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.14		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10				< .27	< .78	< .78	< .49	< .49	< 0.35	< 0.35	< 0.35	< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5				***57***	***43***	***26***	***30***	***34***	***43.0***	***11***	***17.6***	***38.5***	***27.9***		***19.6***	***16.7***	***10.9***	***14.2***	***6.4***	***31.9***	***32***		3.9	2.7	***10***
Toluene	0001088	800	160				< .39	< .92	< .92	< .58	< .58	< 0.44	< 0.44	< 0.44	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	157	< 0.50	1.2	6.0		< 0.37	< 0.45	< 0.45
Total TriMthBenzenes	TOTALT	480	96				< .3	< .94	< .94	< .59	< .59	< .57	< .5	< .5	< .5	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< .66		< .66	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400				< .39	< .9	< .9	< .56	< .56	< .5	< .5	< .5	< .5	< 1.5		< 1.5	< 1.5	< 1.5	17.2	< 1.5	< 1.5	4.8		< 1.33	< 1.12	< 1.12
Trichloroethene	0000790	5	0.5				***25***	***11***	2.6	***9***	***13***	***13.8***	***5.1***	***6.0***	***11.9***	5.0		2.8	2.4	1.0	2.3	< 0.33	***29.2***	***65***		< 0.3	< 0.43	1.2
Vinyl Chloride	0000750	0.2	0.02				< .43	< .6	< .6	< .37	< .37	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	***0.49***	< 0.20		< 0.2	< 0.53	< 0.53
Xylene - M & P	1796012	2000	400				< .55	< 1.8	< 1.8	< 1.1	< 1.1	< 0.82	< 0.82	< 0.82	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	12.6	< 1.0	< 1.0	2.6		< 0.98	< 0.81	< 0.81
Xylene - O	0000954	2000	400				< .39	< .9	< .9	< .56	< .56	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	4.6	< 0.50	0.84	2.2		< 0.35	< 0.31	< 0.31

142 **W-7A**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13 -P	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	6.6	10	23	37	33	29	6.1	21	9.1	39.4		1.9	3.6		1.4	6.7	2.4	3.8	< 0.50	20.4	10		0.6	< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5	< .52	< 2.3	< .45	< 1.7	< 6.3	< 2.5	< 6.3	< 5.1	< 0.39	< 1.9		< 0.16	< 0.78		< 0.20	< 0.79	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40		< 0.4	< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85	< .43	< 2.1	2.2	6.4	11	8.5	< 4.7	< 3.7	0.83	< 1.4		< 0.16	< 1.2		< 0.24	< 0.97	< 0.24	0.98	< 0.24	5.3	0.86		< 0.31	< 0.44	< 0.44
1,1-Dichloroethene	0000753	7	0.7	< .54	< 2.1	.88	< 1.5	< 5	< 2	< 5	< 4	< 0.43	< 2.1		< 0.41	< 2.1		< 0.41	< 1.6	< 0.41	< 0.41	< 0.41	0.87	< 0.28		< 0.28	< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .74	< 2.7	< .54	< 2.3	< 6.5	< 2.6	< 6.5	< 5.2	< 0.77	< 3.8		< 2.1	< 10.7		< 2.1	< 8.5	< 2.1	< 2.1	< 2.1	< 2.1	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14	< .55	< 3.2	< .64	< 3	< 7.1	< 2.8	< 7.1	< 5.6	< 2.5	< 12.5		< 2.2	< 11.0		< 2.2	< 8.8	< 2.2	< 2.2	< 2.2	< 2.2	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7	< .41	< 2	1.4	3.5	< 5.2	4.6	< 5.2	< 4.1	0.83	< 2.1		< 0.26	< 1.3		< 0.26	< 1.0	< 0.26	5.0	< 0.26	30.5	6.9		< 0.25	< 0.42	< 0.42
1,2-Dichlorobenzene	0000955	600	60	< .4	< 1.6	< .32	< 1.3	< 4.7	< 1.9	< 4.7	< 3.7	< 0.44	< 2.2		< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5	***6.9***	***15***	***15***	< 2.2	< 6.1	< 2.4	< 6.1	< 4.9	1.0	< 2.4		< 0.17	< 0.84		< 0.17	< 0.67	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17		< 0.17	< 0.44	< 0.44
1,2-Dichloropropane	0000788	5	0.5	< .82	< 2.2	< .43	< 2.1	< 4.9	< 2	< 4.9	< 3.9	< 0.50	< 2.5		< 0.23	< 1.2		< 0.23	< 0.93	< 0.23	< 0.23	< 0.23	< 0.23	< 0.25		< 0.25	< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20	< .51	< 2.6	.59	< 1.3	< 4.8	< 1.9	< 4.8	< 3.9	< 0.37	< 1.9		< 0.24	< 1.3		< 0.26	< 1.0	< 0.26	< 0.26	< 0.26	< 0.26	< 0.28		< 0.28	< 0.48	< 0.48
1,4-Dichlorobenzene	0001064	75	15	< .74	< 2.2	< .44	< 1.3	< 5.5	< 2.2	< 5.5	< 4.4	< 0.43	< 2.2		< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96	< .48	< 1.8	< .36	< 1.2	< 5.9	< 2.4	< 5.9	< 4.7	< 0.57	< 2.5		< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.37		< 0.37	< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96	< .49	< 2	< .39	< 1.2	< 6.4	< 2.5	< 6.4	< 5.1	< 2.5	< 2.5		< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.29		< 0.29	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE	< .47	< 2	< .4	< 1.5	< 6.4	< 2.6	< 6.4	< 5.1	< 0.48	< 2.4		< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800	< 10	< 42	< 8.3	< 40	< 100	45	< 100	< 83	< 10.4	< 12.9		8.9	< 14.8		< 3.0	< 11.8	< 3.0	< 3.0	< 3.0	< 3.0	1.9		1.2	< 3	9.7
Benzene	0000714	5	0.5	< .6	< 2	< .39	< 1.3	< 6.4	< 2.6	< 6.4	< 5.1	< 0.50	< 2.5		< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.30		< 0.3	< 0.46	< 0.46
Chloroethane	0000750	400	80	< 2.9	< 15	< 3	< 6.7	< 51	< 21	< 51	< 41	< 0.44	< 2.2		< 0.37	< 1.9		< 0.37	< 1.5	< 0.37	< 0.37	< 0.37	< 0.37	< 0.29		< 0.29	< 0.68	< 0.68
Chloroform	0000676	6	0.6	< .33	< 2	.46	< 1.3	< 5.6	< 2.3	< 5.6	< 4.5	< 0.69	< 3.4		< 2.5	< 12.5		< 2.5	< 10.0	< 2.5	< 2.5	< 2.5	< 2.5	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3	< .58	< 2.3	< .47	< 2.8	< 6	< 2.4	< 6	< 4.8	< 0.39	< 1.9		< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200	< .62	< 2.9	< .58	< 1.3	< 4.8	< 1.9	< 4.8	< 3.8	< 0.40	< 2.0		< 0.16	< 1.0		< 0.22	< 0.90	< 0.22	< 0.22	< 0.22	< 0.22	< 0.13		< 0.13	< 0.68	< 0.68
Ethylbenzene	0001004	700	140	< .39	< 2.1	< .41	< 1.2	< 5.4	< 2.2	< 5.4	< 4.3	< 0.50	< 2.5		< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	1.3	< 0.50	0.67	0.58		< 0.4	< 0.34	< 0.34
Fluorotrichloromethane	0000756	3490	698	< .53	< 3.2	< .63	< 1.1	< 6.4	< 2.5	< 6.4	< 5.1	< 0.48	< 2.4		< 0.17	< 0.86		< 0.18	< 0.74	< 0.18	< 0.18	< 0.18	< 0.18	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE	< .62	< 4.5	< .89	< 3.6	< 5.7	< 2.3	< 5.7	< 4.5	< 1.3	< 6.3		< 2.1	< 10.5		< 2.1	< 8.4	< 2.1	< 2.1	< 2.1	< 2.1	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE	< 25	< 83	< 17	< 140	< 160	< 63	< 160	< 130	< 40.8	< 204		< 24.3	< 122		< 24.3	< 97.4	< 24.3	< 24.3	< 24.3	< 24.3	NA		< 33	< 33	44
Isopropyl ether	0001082	NSE	NSE	< .39	< 2.5	< .49	< 2	< 4.7	< 1.9	< 4.7	< 3.8	< 0.50	< 2.5		< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.13		< 0.13	< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE	< .44	< 2.2	< .43	< 1	< 5.6	< 2.2	< 5.6	< 4.4	< 0.34	< 1.7		< 0.12	< 0.72		< 0.14	< 0.57	< 0.14	< 0.14	< 0.14	< 0.14	< 0.31		< 0.31	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800	< 1.2	< 10	< 2	< 10	< 25	< 10	< 25	< 20	< 2.7	< 13.5		< 3.0	< 14.9		< 3.0	< 11.9	< 3.0	< 3.0	< 3.0	< 3.0	< 0.58		< 0.58	< 0.52	< 0.52
Methyl Isobutyl Ketone	0001081	500	50	< .92	< 5.3	< 1.1	< 6.4	< 7.8	< 3.1	< 7.8	< 6.3	< 2.3	< 11.7		< 2.1	< 10.7		< 2.1	< 8.6	< 2.1	< 2.1	< 2.1	< 2.1	< 0.11		< 0.11	< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12	< .48	< 2.8	< .57	< 1.3	< 4.8	< 1.9	< 4.8	< 3.8	< 0.49	< 2.5		< 0.17	< 0.87		1.3	< 0.70	2.7	7.8	5.8	10.5	37		***150***	12	0.89
Methylene Chloride	0000750	5	0.5	< .55	< 4.8	< .96	< 2.7	< 10	< 4	< 10	< 8	< 0.36	< 1.8		< 0.23	1.9		< 0.23	< 0.93	< 0.23	< 0.23	< 0.23	< 0.23	< 0.56		< 0.56	< 0.86	< 0.86
Naphthalene	0000912	100	10	< .79	< 4.1	< .81	< 3.1	< 8	< 3.2	< 8	< 6.4	< 2.5	< 12.5		< 2.5	< 12.5		< 2.5	< 10.0	< 2.5	< 2.5	< 2.5	< 2.5	< 0.18		< 0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE	< .56	< 1.8	< .36	< 1.4	< 6.1	< 2.4	< 6.1	< 4.9	< 0.40	< 2.0		< 0.22	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE	< .41	< 1.9	< .38	< 1.1	< 5.1	< 2	< 5.1	< 4.1	< 0.40	< 2.0		< 0.13	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.14		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10	< .5	< 1.7	< .34	< 1.1	< 4.9	< 1.9	< 4.9	< 3.9	< 0.35	< 1.7		< 0.15	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5	***110***	***290***	***290***	***96***	***220***	***170***	***190***	***270***	***153***	***435***		***138***	***231***		***121***	***297***	***132***	***102***	***22.9***	***28.0***	***38***		***38***	***26***	***9.1***
Toluene	0001088	800	160	< .45	< 1.7	< .34	< 1.6	< 5.8	< 2.3	< 5.8	< 4.6	< 0.44	< 2.2		< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	37.5	0.56	0.93	2.4		< 0.37	< 0.45	< 0.45
Total TriMthBenzenes	TOTALT	480	96	< .48	< 1.8	< .36	< 1.2	< 5.9	< 2.4	< 5.9	< 4.7	< .57	< 2.5		< .5	< 5		< 1	< 4	< 1	< 1	< 1	< 1	< .66		< .66	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400	< .41	< 2.4	< .48	< 1.6	< 5.6	< 2.2	< 5.6	< 4.5	< .5	< 2.5		< .5	< 7.5		< 1.5	< 6	< 1.5	3.55	< 1.5	2.16	2.9		< 1.33	< 1.12	< 1.12
Trichloroethene	0000790	5	0.5	***25***	***19***	***26***	***21***	***31***	***23***	***18***	***16***	***9.7***	***13.7***		1.9	3.2		1.5	***5.5***	1.9	1.8	< 0.33	***19.2***	***24***		0.38	< 0.43	< 0.43
Vinyl Chloride	0000750	0.2	0.02	< .42	< 1.8	< .37	< 1.7	< 3.7	< 1.5	< 3.7	< 3	< 0.18	< 0.92		< 0.18	< 0.88		< 0.18	< 0.70	< 0.18	< 0.18	< 0.18	***0.47***	< 0.20		< 0.2	< 0.53	< 0.53
Xylene - M & P	1796012	2000	400	< .7	< 3.3	< .67	< 2.2	< 11	< 4.6	< 11	< 9.1	< 0.82	< 4.1		< 1.0	< 5.0		< 1.0	< 4.0	< 1.0	2.6	< 1.0	1.2	1.8		< 0.98	< 0.81	< 0.81
Xylene - O	0000954	2000	400	< .41	< 2.4	< .48	< 1.6	< 5.6	< 2.2	< 5.6	< 4.5	< 0.50	< 2.5		< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	0.95	< 0.50	0.96	1.1		< 0.35	< 0.31	< 0.31

169 **W-17**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .22		< .22		< .22		< .21		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< .23		< .23		< .23		< .25		< 0.39			< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85	< .21		< .21		< .21		< .19		< 0.28			< 0.16			< 0.24		< 0.24		< 0.24		< 0.31			< 0.44	
1,1-Dichloroethene	0000753	7	0.7	< .21		< .21		< .21		< .2		< 0.43			< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .27		< .27		< .27		< .26		< 0.77			< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< .32		< .32		< .32		< .28		< 2.5			< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	< .2		< .2		< .2		< .21		< 0.42			< 0.26			< 0.26		< 0.26		< 0.26		< 0.25			< 0.42	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .16		< .16		< .19		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5	< .16		< .16		< .16		< .24		< 0.48			< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	
1,2-Dichloropropane	0000788	5	0.5	< .22		< .22		< .22		< .2		< 0.50			< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< .26		< .26		< .26		< .19		< 0.37			< 0.24			< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< .22		< .22		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .18		< .18		< .18		< .24		< 0.57			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .2		< .2		< .2		< .25		< 2.5			< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .2		< .2		< .2		< .26		< 0.48			< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800	4.8		< 4.2		< 4.2		4.8		< 2.6			< 3.0			3.0		< 3.0		< 3.0		1.7			< 3	
Benzene	0000714	5	0.5	< .2		< .2		< .2		< .26		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	
Chloroethane	0000750	400	80	< 1.5		< 1.5		< 1.5		< 2.1		< 0.44			< 0.37			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	
Chloroform	0000676	6	0.6	< .2		< .2		< .2		< .23		< 0.69			< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3	< .23		< .23		< .23		< .24		< 0.39			< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< .29		< .29		< .29		< .19		< 0.40			< 0.16			< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140	< .21		< .21		< .21		< .22		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	
Fluorotrichloromethane	0000756	3490	698	< .32		< .32		< .32		< .25		< 0.48			< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< .45		< .45		< .45		< .23		< 1.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	< 8.3		< 8.3		15		< 6.3		< 40.8			32.3			< 24.3		< 24.3		< 24.3		NA			< 33	
Isopropyl ether	0001082	NSE	NSE	< .25		< .25		< .25		< .19		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .22		< .22		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	< 1		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	< .53		< .53		< .53		< .31		< 2.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< .28		< .28		< .28		< .19		< 0.49			< 0.17			< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	
Methylene Chloride	0000750	5	0.5	< .48		< .48		< .48		< .4		< 0.36			< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	
Naphthalene	0000912	100	10	< .41		< .41		< .41		< .32		< 2.5			< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< .18		< .18		< .18		< .24		< 0.40			< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			55	
p-Isopropyltoluene	0000998	NSE	NSE	< .19		< .19		< .19		< .2		< 0.40			< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10	< .17		< .17		< .17		< .19		< 0.35			< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5	< .21		< .21		< .21		< .15		< 0.47			< 0.50			< 0.50		< 0.50		< 0.50		< 0.27			< 0.39	
Toluene	0001088	800	160	< .17		< .17		< .17		< .23		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
Total TriMthBenzenes	TOTALT	480	96	< .18		< .18		< .18		< .24		< .57			< .5			< 1		< 1		< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400	< .24		< .24		< .24		< .22		< .5			< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	
Trichloroethene	0000790	5	0.5	< .17		< .17		< .17		< .25		< 0.43			< 0.33			< 0.33		< 0.33		< 0.33		< 0.30			< 0.43	
Vinyl Chloride	0000750	0.2	0.02	< .18		< .18		< .18		< .15		< 0.18			< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	
Xylene - M & P	1796012	2000	400	< .33		< .33		< .33		< .46		< 0.82			< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	
Xylene - O	0000954	2000	400	< .24		< .24		< .24		< .22		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	

172 **W-17A**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< 170	< 87	< 27	< 11	< 11	< 10	< 16	< 21	< 17.7	< 4.4		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 0.36		< 0.36	< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5	< 180	< 90	< 28	< 11	< 11	< 13	< 20	< 25	< 15.6	< 3.9		< 1.6	< 1.6		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 0.40		< 0.4	< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85	***1700***	***1600***	***1000***	17	550	13	660	690	168	300		718	804		360	46.7	39.1	109	92.7	85.3	70		74	120	71
1,1-Dichloroethene	0000753	7	0.7	< 170	< 83	***30***	< 10	***26***	< 10	***28***	< 20	< 17.1	< 4.3		6.2	***16.7***		< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 0.28		< 0.28	< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 220	< 110	< 34	< 14	< 14	< 13	< 21	< 26	< 30.7	< 7.7		< 21.3	< 21.3		< 21.3	< 21.3	< 21.3	< 21.3	< 21.3	< 21.3	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14	< 250	< 130	< 40	< 16	< 16	< 14	< 23	< 28	< 100	< 25.0		< 22.1	< 22.1		< 22.1	< 22.1	< 22.1	< 22.1	< 22.1	< 22.1	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7	***760***	***290***	***190***	< 10	***290***	< 10	***380***	***210***	< 16.8	20.4		***70.2***	***185***		27.8	2.6	< 2.6	< 2.6	2.9	7.1	< 0.25		< 0.25	3	2.3
1,2-Dichlorobenzene	0000955	600	60	< 130	< 63	< 20	< 7.9	< 7.9	< 9.3	< 15	< 19	< 17.5	< 4.4		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 0.22		< 0.22	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5	***140***	***130***	***93***	***56***	***67***	***56***	***75***	***74***	***61.3***	***55.5***		***56.5***	***50.9***		***34.4***	***10.6***	< 1.7	***5.6***	***17.4***	***10.5***	< 0.17		< 0.17	< 0.44	< 0.44
1,2-Dichloropropane	0000788	5	0.5	< 170	< 87	***45***	< 11	***29***	< 9.9	***36***	***41***	< 19.9	***14.7***		***33.0***	***41.5***		***18.9***	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 0.25		< 0.25	< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20	< 210	< 100	49	15	31	20	32	39	23.0	35.5		85.3	***104***		73.2	80.1	60.9	42.5	42.4	29.7	52		29	29	14
1,4-Dichlorobenzene	0001064	75	15	< 180	< 89	< 28	< 11	< 11	< 11	< 17	< 22	< 17.4	< 4.3		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96	< 140	< 72	< 23	< 9.1	< 9.1	< 12	< 19	< 24	< 22.9	< 5.0		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 0.37		< 0.37	< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96	< 160	< 78	< 25	< 9.8	< 9.8	< 13	< 20	< 25	< 100	< 5.0		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 0.29		< 0.29	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE	< 160	< 80	< 25	< 10	< 10	< 13	< 20	< 26	< 19.1	< 4.8		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800	***17000***	***15000***	5300	< 210	4800	< 210	***9400***	4000	2420	1120		635	687		404	120	< 29.5	53.7	363	1360	210		200	240	510
Benzene	0000714	5	0.5	< 160	< 78	< 24	< 9.8	***10***	< 13	< 20	< 26	< 20.0	***7.9***		***7.3***	***6.8***		***6.0***	***7.6***	***6.7***	***7.7***	***9.8***	***8.4***	***16***		< 0.3	***13***	***14***
Chloroethane	0000750	400	80	< 1200	< 610	< 190	***490***	300	***720***	***580***	400	***821***	***500***		336	296		***418***	***839***	***903***	***721***	***1050***	***929***	***1600***		***1700***	***1800***	***1000***
Chloroform	0000676	6	0.6	< 160	< 81	< 25	< 10	< 10	< 11	< 18	< 23	< 27.5	< 6.9		< 25.0	< 25.0		< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3	< 190	< 93	< 29	< 12	< 12	< 12	< 19	< 24	< 15.5	< 3.9		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200	< 230	< 120	< 36	< 14	< 14	< 9.5	< 15	< 19	< 16.0	< 4.0		< 1.6	< 2.0		< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 0.13		< 0.13	< 0.68	< 0.68
Ethylbenzene	0001004	700	140	< 170	< 83	< 26	< 10	< 10	< 11	< 17	< 22	< 20.0	< 5.0		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 0.40		< 0.4	3.7	2.4
Fluorotrichloromethane	0000756	3490	698	< 250	< 130	< 40	< 16	< 16	< 13	< 20	< 25	< 19.1	< 4.8		< 1.7	< 1.7		< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE	< 360	< 180	< 56	< 22	< 22	< 11	< 18	< 23	< 50.3	< 12.6		< 21.1	< 21.1		< 21.1	< 21.1	< 21.1	< 21.1	< 21.1	< 21.1	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE	29000	27000	12000	< 410	12000	< 320	17000	5200	4080	1430		908	1030		629	< 243	< 243	< 243	575	1820	NA		< 33	330	1100
Isopropyl ether	0001082	NSE	NSE	< 200	< 98	< 31	< 12	< 12	< 9.5	< 15	< 19	< 20.0	< 5.0		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 0.13		< 0.13	< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE	< 170	< 86	< 27	< 11	< 11	< 11	< 18	< 22	< 13.6	< 3.4		< 1.2	< 1.4		< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.31		< 0.31	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800	***9700***	***6200***	2800	< 50	2600	< 50	3500	1600	697	334		152	209		155	< 29.8	< 29.8	< 29.8	88.0	231	< 0.58		< 0.58	98	480
Methyl Isobutyl Ketone	0001081	500	50	***1200***	***920***	***650***	***1700***	***1400***	***1800***	***870***	440	***602***	299		141	135		109	< 21.4	< 21.4	< 21.4	63.7	114	40		67	52	250
Methyl tert-butyl Ether	0016340	60	12	< 230	< 110	< 35	< 14	< 14	< 9.5	< 15	< 19	< 19.7	< 4.9		< 1.7	< 1.7		< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 0.12		< 0.12	< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5	< 380	< 190	< 60	< 24	< 24	< 20	< 32	< 40	< 14.3	< 3.6		< 2.3	2.6		< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 0.56		< 0.56	< 0.86	< 0.86
Naphthalene	0000912	100	10	< 320	< 160	< 51	< 20	< 20	< 16	< 26	< 32	< 100	< 25.0		< 25.0	< 25.0		< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 0.18		< 0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE	< 140	< 72	< 23	< 9.1	< 9.1	< 12	< 20	< 24	< 16.0	< 4.0		< 2.2	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE	< 150	< 76	< 24	< 9.5	< 9.5	< 10	< 16	< 20	< 15.9	< 4.0		< 1.3	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 0.14		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10	< 140	< 68	< 21	< 8.6	< 8.6	< 9.7	< 16	< 19	< 14.0	< 3.5		< 1.5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5	< 160	< 82	< 26	< 10	< 10	< 7.3	< 12	< 15	< 18.9	< 4.7		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 0.27		< 0.27	< 0.39	< 0.39
Toluene	0001088	800	160	***870***	800	***860***	230	530	330	***840***	***860***	382	592		***968***	***970***		576	315	113	535	482	390	***810***		***810***	***910***	470
Total TriMthBenzenes	TOTALT	480	96	< 140	< 72	< 23	< 9.1	< 9.1	< 12	< 19	< 24	< 100	< 5		< 5	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< .66		< .66	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400	< 190	< 96	< 30	< 12	< 12	< 11	< 18	< 22	< 20	< 5		< 10	< 15		< 15	< 15	< 15	< 15	< 15	< 15	13		< 1.33	20.5	9.9
Trichloroethene	0000790	5	0.5	< 130	< 67	< 21	< 8.4	< 8.4	< 12	< 20	< 25	< 17.2	< 3.6		< 3.3	< 3.3		< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 0.30		< 0.3	< 0.43	< 0.43
Vinyl Chloride	0000750	0.2	0.02	***390***	***170***	***140***	< 9.2	***150***	< 7.5	***200***	***120***	< 7.4	***13***		***57.9***	***138***		***15.9***	< 1.8	< 1.8	***2.8***	***5.3***	***3.6***	< 0.20		< 0.2	***8.4***	< 0.53
Xylene - M & P	1796012	2000	400	< 270	< 130	< 42	< 17	< 17	< 23	< 36	< 46	< 32.7	< 8.2		< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 0.98		< 0.98	12	5.1
Xylene - O	0000954	2000	400	< 190	< 96	< 30	< 12	< 12	< 11	< 18	< 22	< 20.0	< 5.0		< 5.0	< 5.0		7.6	6.1	5.3	5.7	6.8	< 5.0	13		< 0.35	8.5	4.8

175 **W-17B**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .22	< .22	< .22	< 1.1	< 1.1	< 1	< 1	< .21	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.36		< 0.36	< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5	< .23	< .23	< .23	< 1.1	< 1.1	< 1.3	< 1.3	< .25	< 0.39	< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40		< 0.4	< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85	.89	.96	.82	1.1	1.4	< .94	1.2	1.1	2.0	0.75		0.85	0.77		0.43	< 0.24	0.51	0.45	0.43	1.3	< 0.31		< 0.31	0.44	< 0.44
1,1-Dichloroethene	0000753	7	0.7	< .21	< .21	< .21	< 1	< 1	< 1	< 1	< .2	4.1	2.6		< 0.41	1.2		0.59	0.53	< 0.41	< 0.41	< 0.41	< 0.41	< 0.28		< 0.28	< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .27	< .27	< .27	< 1.4	< 1.4	< 1.3	< 1.3	< .26	< 0.77	< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14	< .32	< .32	< .32	< 1.6	< 1.6	< 1.4	< 1.4	< .28	< 2.5	< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7	.81	.76	.7	< 1	1.1	< 1	< 1	1	0.78	0.66		0.59	0.64		0.65	0.64	0.39	0.41	0.39	0.93	< 0.25		2.2	0.44	0.43
1,2-Dichlorobenzene	0000955	600	60	< .16	< .16	< .16	< .79	< .79	< .93	< .93	< .19	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5	< .16	< .16	< .16	< .82	< .82	< 1.2	< 1.2	< .24	< 0.48	< 0.48		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17		< 0.17	< 0.44	< 0.44
1,2-Dichloropropane	0000788	5	0.5	.36	.25	< .22	< 1.1	< 1.1	< .99	< .99	.32	< 0.50	< 0.50		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.25		< 0.25	< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20	< .26	< .26	< .26	< 1.3	< 1.3	< .97	< .97	< .19	< 0.37	< 0.37		< 0.24	< 0.26		< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	0.57	< 0.28		< 0.28	< 0.48	< 0.48
1,4-Dichlorobenzene	0001064	75	15	< .22	< .22	< .22	< 1.1	< 1.1	< 1.1	< 1.1	< .22	< 0.43	< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96	< .18	< .18	< .18	< .91	< .91	< 1.2	< 1.2	< .24	< 0.57	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.37		< 0.37	< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96	< .2	< .2	< .2	< .98	< .98	< 1.3	< 1.3	< .25	< 2.5	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.29		< 0.29	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE	< .2	< .2	< .2	< 1	< 1	< 1.3	< 1.3	< .26	< 0.48	< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800	< 4.2	4.7	< 4.2	< 21	< 21	< 21	< 21	< 4.2	4.1	< 2.6		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0	3.0	< 3.0	< 0.92		1.6	< 3	< 6.2
Benzene	0000714	5	0.5	< .2	< .2	< .2	< .98	< .98	< 1.3	< 1.3	< .26	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.30		< 0.3	< 0.46	< 0.46
Chloroethane	0000750	400	80	< 1.5	< 1.5	< 1.5	< 7.6	< 7.6	< 10	< 10	< 2.1	< 0.44	< 0.44		< 0.37	< 0.37		< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	4.2	< 0.29		< 0.29	< 0.68	< 0.68
Chloroform	0000676	6	0.6	< .2	< .2	< .2	< 1	< 1	< 1.1	< 1.1	< .23	< 0.69	< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3	< .23	.46	< .23	< 1.2	< 1.2	< 1.2	< 1.2	< .24	< 0.39	< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200	< .29	< .29	< .29	< 1.4	< 1.4	< .95	82	71	< 0.40	< 0.40		< 0.16	33.0		< 0.22	< 0.22	< 0.22	< 0.22	0.69	< 0.22	< 0.13		< 0.13	< 0.68	< 0.68
Ethylbenzene	0001004	700	140	< .21	< .21	< .21	< 1	< 1	< 1.1	< 1.1	< .22	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.60	0.43		< 0.4	< 0.34	< 0.34
Fluorotrichloromethane	0000756	3490	698	< .32	< .32	< .32	< 1.6	< 1.6	< 1.3	< 1.3	< .25	< 0.48	< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE	< .45	< .45	< .45	< 2.2	< 2.2	< 1.1	< 1.1	< .23	< 1.3	< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE	< 8.3	< 8.3	< 8.3	< 41	< 41	35	< 32	< 6.3	< 40.8	< 40.8		31.6	< 24.3		< 24.3	< 24.3	< 24.3	< 24.3	< 24.3	40.5	NA		< 33	< 100	< 33
Isopropyl ether	0001082	NSE	NSE	< .25	< .25	< .25	< 1.2	< 1.2	< .95	< .95	< .19	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.13		< 0.13	< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE	< .22	< .22	< .22	< 1.1	< 1.1	< 1.1	< 1.1	< .22	< 0.34	< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.31		< 0.31	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800	< 1	< 1	< 1	< 5	5.7	< 5	< 5	< 1	< 2.7	< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 0.58		< 0.58	< 0.52	< 0.52
Methyl Isobutyl Ketone	0001081	500	50	< .53	< .53	< .53	< 2.7	< 2.7	< 1.6	< 1.6	< .31	< 2.3	< 2.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.11		< 0.11	< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12	< .28	< .28	< .28	< 1.4	< 1.4	< .95	< .95	< .19	< 0.49	< 0.49		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.12		< 0.12	< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5	< .48	< .48	< .48	< 2.4	< 2.4	< 2	< 2	< .4	< 0.36	< 0.36		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.56		< 0.56	< 0.86	< 0.86
Naphthalene	0000912	100	10	< .41	< .41	< .41	< 2	< 2	< 1.6	< 1.6	< .32	< 2.5	< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 0.18		< 0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE	< .18	< .18	< .18	< .91	< .91	< 1.2	< 1.2	< .24	< 0.40	< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE	< .19	< .19	< .19	< .95	< .95	< 1	< 1	< .2	< 0.40	< 0.40		< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.14		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10	< .17	< .17	< .17	< .86	< .86	< .97	< .97	< .19	< 0.35	< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5	< .21	< .21	< .21	< 1	< 1	< .73	< .73	< .15	< 0.47	< 0.47		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.27		< 0.27	< 0.39	< 0.39
Toluene	0001088	800	160	< .17	< .17	< .17	< .86	< .86	< 1.2	< 1.2	< .23	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	5.9	1.5		< 0.37	< 0.45	< 0.45
Total TriMthBenzenes	TOTALT	480	96	< .18	< .18	< .18	< .91	< .91	< 1.2	< 1.2	< .24	< .57	< .5		< .5	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< .66		< .66	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400	< .24	< .24	< .24	< 1.2	< 1.2	< 1.1	< 1.1	< .22	< .5	< .5		< .5	< 1.5		< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	1.47		< 1.33	< 1.12	< 1.12
Trichloroethene	0000790	5	0.5	.58	.61	.63	< .84	.87	< 1.2	< 1.2	.7	< 0.43	0.70		0.40	0.67		0.52	1.6	0.77	0.99	0.98	0.87	1.1		1.4	1.3	0.97
Vinyl Chloride	0000750	0.2	0.02	***.35***	***1.2***	***4.6***	***14***	***15***	***14***	***13***	***6.7***	***7.4***	***2.7***		***1.4***	***0.74***		< 0.18	< 0.18	< 0.18	***0.22***	***0.22***	***0.48***	< 0.20		< 0.2	< 0.53	< 0.53
Xylene - M & P	1796012	2000	400	< .33	< .33	< .33	< 1.7	< 1.7	< 2.3	< 2.3	< .46	< 0.82	< 0.82		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.0	1.1		< 0.98	< 0.81	< 0.81
Xylene - O	0000954	2000	400	< .24	< .24	< .24	< 1.2	< 1.2	< 1.1	< 1.1	< .22	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.37		< 0.35	< 0.31	< 0.31

178 **W-18**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .22	< .22	< .2	< .22	< .22	< .21	< .21	< .21	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.36		< 0.36	< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< .23	< .23	< .17	< .23	< .23	< .25	< .25	< .25	< 0.39	< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40		< 0.4	< 0.46	
1,1-Dichloroethane	0000753	850	85	< .21	< .21	< .16	< .21	< .21	< .19	< .19	< .19	< 0.28	< 0.28		0.96	1.5		< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	0.39	< 0.31		< 0.31	< 0.44	
1,1-Dichloroethene	0000753	7	0.7	< .21	< .21	< .15	< .21	< .21	< .2	< .2	< .2	< 0.43	< 0.43		< 0.41	< 0.41		< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.28		< 0.28	< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .27	< .27	< .23	< .27	< .27	< .26	< .26	< .26	< 0.77	< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.17		< 0.17	< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< .32	< .32	< .3	< .32	< .32	< .28	< .28	< .28	< 2.5	< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 0.21		< 0.21	< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	< .2	< .2	< .12	< .2	< .2	< .21	< .21	< .21	< 0.42	< 0.42		1.4	2.1		1.3	0.47	< 0.26	< 0.26	< 0.26	< 0.26	< 0.25		< 0.25	< 0.42	
1,2-Dichlorobenzene	0000955	600	60	< .16	< .16	< .13	< .16	< .16	< .19	< .19	< .19	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22	< 0.32	
1,2-Dichloroethane	0001070	5	0.5	.17	< .16	< .22	< .16	< .16	< .24	< .24	< .24	< 0.48	< 0.48		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17		< 0.17	< 0.44	
1,2-Dichloropropane	0000788	5	0.5	< .22	< .22	< .21	< .22	< .22	< .2	< .2	< .2	< 0.50	< 0.50		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.25		< 0.25	< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< .26	< .26	< .13	< .26	< .26	< .19	< .19	< .19	< 0.37	< 0.37		< 0.24	< 0.26		< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.28		< 0.28	< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< .22	< .22	< .13	< .22	< .22	< .22	< .22	< .22	< 0.43	< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.21		< 0.21	< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .18	< .18	< .12	< .18	< .18	< .24	< .24	< .24	< 0.57	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.37		< 0.37	< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .2	< .2	< .12	< .2	< .2	< .25	< .25	< .25	< 2.5	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.29		< 0.29	< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .2	< .2	< .15	< .2	< .2	< .26	< .26	< .26	< 0.48	< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.32		< 0.32	< 0.36	
Acetone	0000676	9000	1800	< 4.2	< 4.2	5	< 4.2	< 4.2	< 4.2	7.4	< 4.2	< 2.6	< 2.6		8.1	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 0.92		< 0.92	< 3	
Benzene	0000714	5	0.5	< .2	< .2	< .13	< .2	< .2	< .26	< .26	< .26	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.30		< 0.3	< 0.46	
Chloroethane	0000750	400	80	< 1.5	< 1.5	< .67	< 1.5	< 1.5	< 2.1	< 2.1	< 2.1	< 0.44	< 0.44		0.55	0.74		< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	2.8	< 0.29		< 0.29	< 0.68	
Chloroform	0000676	6	0.6	< .2	< .2	< .13	< .2	< .2	< .23	< .23	< .23	< 0.69	< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 0.26		< 0.26	< 0.46	
Chloromethane	0000748	30	3	< .23	< .23	< .28	< .23	< .23	< .24	< .24	< .24	< 0.39	< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.17		< 0.17	< 0.83	
Dichlorodifluoromethan	0000757	1000	200	.6	< .29	< .13	< .29	< .29	< .19	< .19	< .19	< 0.40	< 0.40		6.1	1.0		3.9	2.8	1.6	2.4	1.3	4.5	9.9		5.1	3.6	
Ethylbenzene	0001004	700	140	< .21	< .21	.74	< .21	< .21	< .22	< .22	.24	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.40		< 0.4	< 0.34	
Fluorotrichloromethane	0000756	3490	698	< .32	< .32	< .11	< .32	< .32	< .25	< .25	< .25	< 0.48	< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.20		< 0.2	< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< .45	< .45	< .36	< .45	< .45	< .23	< .23	< .23	< 1.3	< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.24		< 0.24	< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	< 8.3	< 8.3	< 14	< 8.3	< 8.3	31	14	< 6.3	< 40.8	< 40.8		57.8	< 24.3		< 24.3	< 24.3	< 24.3	< 24.3	< 24.3	35.9	NA		< 33	< 33	
Isopropyl ether	0001082	NSE	NSE	< .25	< .25	< .2	< .25	< .25	< .19	< .19	< .19	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.13		< 0.13	< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .22	< .22	< .1	< .22	< .22	< .22	< .22	< .22	< 0.34	< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.31		< 0.31	< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2.7	< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 0.58		< 0.58	< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	< .53	< .53	< .64	< .53	< .53	< .31	< .31	< .31	< 2.3	< 2.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.11		< 0.11	< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< .28	< .28	< .13	< .28	< .28	< .19	< .19	< .19	< 0.49	< 0.49		0.29	0.18		< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	0.21	< 0.12		< 0.12	< 0.45	
Methylene Chloride	0000750	5	0.5	< .48	< .48	< .27	< .48	< .48	< .4	< .4	< .4	< 0.36	< 0.36		1.2	0.37		< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.56		< 0.56	< 0.86	
Naphthalene	0000912	100	10	< .41	< .41	< .31	< .41	< .41	< .32	< .32	< .32	< 2.5	< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 0.18		< 0.18	< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< .18	< .18	< .14	< .18	< .18	< .24	< .24	< .24	< 0.40	< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22	< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< .19	< .19	< .11	< .19	< .19	< .2	< .2	< .2	< 0.40	< 0.40		< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.14		< 0.14	< 0.26	
Styrene	0001004	100	10	< .17	< .17	< .11	< .17	< .17	< .19	< .19	< .19	< 0.35	< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.24		< 0.24	< 0.33	
Tetrachloroethene	0001271	5	0.5	< .21	< .21	< .18	< .21	< .21	< .15	< .15	< .15	< 0.47	< 0.47		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.27		< 0.27	< 0.39	
Toluene	0001088	800	160	< .17	< .17	< .16	< .17	< .17	< .23	< .23	< .23	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.37		< 0.37	< 0.45	
Total TriMthBenzenes	TOTALT	480	96	< .18	< .18	< .12	< .18	< .18	< .24	< .24	< .24	< .57	< .5		< .5	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< .66		< .66	< 1.1	
Total Xylenes	TOTAL X	2000	400	< .24	< .24	.75	< .24	< .24	< .22	< .22	< .22	< .5	< .5		< .5	< 1.5		< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.33		< 1.33	< 1.12	
Trichloroethene	0000790	5	0.5	< .17	< .17	< .16	< .17	< .17	< .25	< .25	< .25	< 0.43	< 0.36		< 0.33	< 0.33		< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.30		< 0.3	< 0.43	
Vinyl Chloride	0000750	0.2	0.02	< .18	< .18	< .17	< .18	< .18	< .15	< .15	< .15	< 0.18	< 0.18		< 0.18	***0.46***		***0.28***	< 0.18	< 0.18	< 0.18	< 0.18	***0.21***	< 0.20		< 0.2	< 0.53	
Xylene - M & P	1796012	2000	400	< .33	< .33	.75	< .33	< .33	< .46	< .46	< .46	< 0.82	< 0.82		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.98		< 0.98	< 0.81	
Xylene - O	0000954	2000	400	< .24	< .24	< .16	< .24	< .24	< .22	< .22	< .22	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.35		< 0.35	< 0.31	

181 **W-18A**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< 2.2	< 2.2	< 2.5	< 1.7	< 1.7	< 1.6	< 1.7	< 4.1	< 0.44	< 0.44		< 0.50	< 0.50		< 1.2	< 1.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.36		< 0.36	< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< 2.3	< 2.3	< 2.1	< 1.8	< 1.8	< 2	< 1.8	< 5.1	< 0.39	< 0.39		< 0.16	< 0.16		< 0.49	< 0.49	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40		< 0.4	< 0.46	
1,1-Dichloroethane	0000753	850	85	35	37	25	31	40	44	48	52	28.0	15.8		17.2	10.6		15.7	7.4	6.5	6.5	10.2	11.0	7.4		6.3	5.9	
1,1-Dichloroethene	0000753	7	0.7	< 2.1	< 2.1	< 1.9	< 1.7	< 1.7	< 1.6	< 1.7	< 4	< 0.43	< 0.43		< 0.41	< 0.41		< 1.0	< 1.0	< 0.41	< 0.41	< 0.41	< 0.41	< 0.28		< 0.28	< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 2.7	< 2.7	< 2.8	< 2.2	< 2.2	< 2.1	< 2.2	< 5.2	< 0.77	< 0.77		< 2.1	< 2.1		< 5.3	< 5.3	< 2.1	< 2.1	< 2.1	< 2.1	< 0.17		< 0.17	< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< 3.2	< 3.2	< 3.8	< 2.5	< 2.5	< 2.3	< 2.5	< 5.6	< 2.5	< 2.5		< 2.2	< 2.2		< 5.5	< 5.5	< 2.2	< 2.2	< 2.2	< 2.2	< 0.21		< 0.21	< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	< 2	< 2	< 1.5	< 1.6	< 1.6	< 1.6	< 1.6	< 4.1	0.68	0.53		0.60	0.49		0.91	< 0.64	0.66	0.84	1.1	0.83	1.0		2	2.4	
1,2-Dichlorobenzene	0000955	600	60	< 1.6	2	< 1.6	< 1.3	< 1.3	< 1.5	< 1.3	< 3.7	< 0.44	< 0.44		< 0.50	0.59		1.3	< 1.2	0.56	0.54	0.55	0.86	0.66		0.52	0.36	
1,2-Dichloroethane	0001070	5	0.5	***6.6***	***9.1***	***5.4***	***5.1***	***7.1***	***7.9***	4.1	***6.9***	1.4	1		1.5	1.7		3.1	1.2	0.80	1.0	1.4	1.1	1.2		< 0.17	< 0.44	
1,2-Dichloropropane	0000788	5	0.5	< 2.2	< 2.2	< 2.6	< 1.7	< 1.7	3.6	3.5	< 3.9	1.4	1.1		1.2	0.66		< 0.58	< 0.58	0.38	0.46	0.59	0.37	0.61		< 0.25	< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< 2.6	2.9	1.6	< 2.1	2.2	2.6	3	< 3.9	1.7	1.6		2.0	1.4		1.6	1.4	1.2	0.86	1.0	1.0	1.2		1.4	1.6	
1,4-Dichlorobenzene	0001064	75	15	< 2.2	< 2.2	< 1.6	< 1.8	< 1.8	< 1.7	< 1.8	< 4.4	< 0.43	< 0.43		< 0.50	< 0.50		< 1.2	< 1.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.21		< 0.21	< 0.35	
124TRIMTHLBENZEN	0000956	480	96	5.2	16	7.4	3.2	11	15	6.7	7.8	2.2	2.3		3.5	9.2		27.0	7.3	8.6	11.1	9.6	17.6	16		11	9.3	
135TRIMTHLBENZEN	0001086	480	96	2.6	5.8	3.3	2.6	4	< 2	< 1.6	< 5.1	< 2.5	< 0.50		0.64	1.6		6.4	< 1.2	1.4	1.3	1.0	2.6	2.0		1.2	1	
2-Chlorotoluene	0000954	NSE	NSE	< 2	< 2	< 1.8	< 1.6	< 1.6	< 2	< 1.6	< 5.1	< 0.48	< 0.48		< 0.50	< 0.50		< 1.2	< 1.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.32		< 0.32	< 0.36	
Acetone	0000676	9000	1800	< 42	< 42	< 50	< 33	< 33	< 33	< 33	< 83	5.5	4.0		5.1	< 3.0		9.1	< 7.4	< 3.0	< 3.0	< 3.0	< 3.0	< 0.92		2	< 3	
Benzene	0000714	5	0.5	***9.1***	***15***	***7.7***	***7.3***	***11***	***12***	***6.7***	***10***	2.2	1.7		2.8	3.3		***6.9***	2.6	1.7	1.8	2.4	2.8	3.0		2.2	2.2	
Chloroethane	0000750	400	80	49	110	42	55	86	130	67	100	16.9	14.5		28.2	24.6		49.3	8.2	10.6	10.7	18.9	28.3	< 0.29		22	22	
Chloroform	0000676	6	0.6	< 2	< 2	< 1.6	< 1.6	< 1.6	< 1.8	< 1.6	< 4.5	< 0.69	< 0.69		< 2.5	< 2.5		< 6.2	< 6.2	< 2.5	< 2.5	< 2.5	< 2.5	< 0.26		< 0.26	< 0.46	
Chloromethane	0000748	30	3	< 2.3	< 2.3	< 3.5	< 1.9	< 1.9	< 1.9	< 1.9	< 4.8	< 0.39	< 0.39		< 0.50	< 0.50		< 1.2	< 1.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.17		< 0.17	< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< 2.9	< 2.9	< 1.7	< 2.3	< 2.3	< 1.5	< 2.3	< 3.8	< 0.40	< 0.40		< 0.16	0.74		< 0.56	< 0.56	< 0.22	< 0.22	0.94	2.0	< 0.13		2.2	2.3	
Ethylbenzene	0001004	700	140	120	320	160	95	140	300	180	170	70.8	68.9		113	183		390	122	118	117	85.0	167	97		83	73	
Fluorotrichloromethane	0000756	3490	698	< 3.2	< 3.2	< 1.4	< 2.5	< 2.5	< 2	< 2.5	< 5.1	< 0.48	< 0.48		< 0.17	< 0.17		< 0.46	< 0.46	< 0.18	< 0.18	< 0.18	< 0.18	< 0.20		< 0.2	< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< 4.5	< 4.5	< 4.5	< 3.6	< 3.6	< 1.8	< 3.6	< 4.5	< 1.3	< 1.3		< 2.1	< 2.1		< 5.3	< 5.3	< 2.1	< 2.1	< 2.1	< 2.1	< 0.24		< 0.24	< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	< 83	< 83	< 180	< 66	< 66	< 51	< 66	< 130	< 40.8	< 40.8		29.7	< 24.3		< 60.9	< 60.9	< 24.3	< 24.3	< 24.3	141	NA		< 33	< 33	
Isopropyl ether	0001082	NSE	NSE	< 2.5	< 2.5	< 2.5	< 2	< 2	< 1.5	< 2	< 3.8	< 0.50	< 0.50		< 0.50	< 0.50		< 1.2	< 1.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.13		< 0.13	< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< 2.2	3.6	1.8	< 1.7	2.8	3.3	1.8	< 4.4	0.60	< 0.34		0.67	0.87		3.5	1.4	1.2	1.6	0.72	2.2	2.2		1.5	1.4	
Methyl Ethyl Ketone	0000789	4000	800	< 10	< 10	< 13	< 8	< 8	< 8	< 8	< 20	< 2.7	< 2.7		< 3.0	< 3.0		< 7.4	< 7.4	< 3.0	< 3.0	< 3.0	< 3.0	< 0.58		< 0.58	< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	< 5.3	< 5.3	< 8	< 4.2	< 4.2	< 2.5	< 4.2	< 6.3	< 2.3	< 2.3		< 2.1	< 2.1		< 5.4	< 5.4	< 2.1	< 2.1	< 2.1	< 2.1	< 0.11		< 0.11	< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< 2.8	< 2.8	< 1.6	< 2.3	< 2.3	< 1.5	< 2.3	< 3.8	< 0.49	< 0.49		< 0.17	< 0.17		< 0.44	< 0.44	< 0.17	< 0.17	< 0.17	< 0.17	< 0.12		< 0.12	< 0.45	
Methylene Chloride	0000750	5	0.5	< 4.8	< 4.8	***8.8***	< 3.8	< 3.8	< 3.2	< 3.8	< 8	< 0.36	< 0.36		0.57	0.72		1.1	< 0.58	0.73	1.2	1.8	< 0.23	1.6		0.59	< 0.86	
Naphthalene	0000912	100	10	< 4.1	< 4.1	< 3.8	< 3.2	< 3.2	< 2.6	< 3.2	< 6.4	< 2.5	< 2.5		< 2.5	< 2.5		< 6.2	< 6.2	< 2.5	< 2.5	< 2.5	< 2.5	0.91		0.74	< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< 1.8	1.9	< 1.7	< 1.4	< 1.4	< 2	< 1.4	< 4.9	< 0.40	< 0.40		< 0.22	< 0.50		< 1.2	< 1.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22	< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< 1.9	< 1.9	< 1.4	< 1.5	< 1.5	< 1.6	< 1.5	< 4.1	< 0.40	< 0.40		< 0.13	< 0.50		< 1.2	< 1.2	< 0.50	< 0.50	< 0.50	< 0.50	0.31		0.2	< 0.26	
Styrene	0001004	100	10	< 1.7	< 1.7	< 1.4	< 1.4	< 1.4	< 1.6	< 1.4	< 3.9	< 0.35	< 0.35		< 0.15	< 0.50		< 1.2	< 1.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.24		< 0.24	< 0.33	
Tetrachloroethene	0001271	5	0.5	< 2.1	< 2.1	< 2.3	< 1.6	< 1.6	< 1.2	< 1.6	< 2.9	< 0.47	< 0.47		< 0.50	< 0.50		< 1.2	< 1.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.27		< 0.27	< 0.39	
Toluene	0001088	800	160	7.4	43	9.5	4	32	14	12	8	4.0	3.6		7.1	6.8		20.1	6.3	4.5	4.9	5.9	5.6	6.3		3.4	2.5	
Total TriMthBenzenes	TOTALT	480	96	7.8	21.8	10.7	5.8	15	15	6.7	7.8	< .57	< .5		< .5	10.8		33.4	7.3	10	12.4	10.6	20.2	18		12.2	10.3	
Total Xylenes	TOTAL X	2000	400	90.6	294	138.1	49.8	226	208.2	105.2	159	< .5	< .5		< .5	535		1277	281.5	337	276.5	195.9	544	218		154	188	
Trichloroethene	0000790	5	0.5	< 1.7	< 1.7	< 2	< 1.3	< 1.3	< 2	< 1.3	< 5	< 0.43	< 0.36		< 0.33	< 0.33		< 0.83	< 0.83	< 0.33	< 0.33	< 0.33	< 0.33	< 0.30		< 0.3	< 0.43	
Vinyl Chloride	0000750	0.2	0.02	< 1.8	< 1.8	< 2.2	***1.8***	***1.7***	***2.9***	***5.1***	***5.1***	***11.0***	***6***		***10.9***	***2.3***		***1.3***	***1.9***	***1.0***	***1.0***	***1.6***	***1.5***	< 0.20		***1.6***	***1.8***	
Xylene - M & P	1796012	2000	400	85	270	130	47	210	200	96	140	58.8	89.4		198	411		1000	223	272	214	148	440	170		120	150	
Xylene - O	0000954	2000	400	5.6	24	8.1	2.8	16	8.2	9.2	19	13.5	21.6		54.9	124		277	58.5	65.0	62.5	47.9	104	48		34	38	

184 **W-19**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< 8.7	< 3.1	< 9.8	< 25	< 26	< 26																			
1,1,2-Trichloroethane	0000790	5	0.5	< 9	< 5.2	< 8.3	< 21	< 32	< 32																			
1,1-Dichloroethane	0000753	850	85	160	160	290	340	300	290																			
1,1-Dichloroethene	0000753	7	0.7	< 8.3	< 5.4	< 7.6	< 19	< 25	< 25																			
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 11	< 7.4	< 11	< 28	< 33	< 33																			
1,2,4-Trichlorobenzene	0001208	70	14	< 13	< 5.5	< 15	< 38	< 35	< 35																			
1,2-cis-Dichloroethene	0001565	70	7	49	***81***	***180***	***170***	***200***	***220***																			
1,2-Dichlorobenzene	0000955	600	60	< 6.3	< 4	< 6.5	< 16	< 23	< 23																			
1,2-Dichloroethane	0001070	5	0.5	***8.5***	***7.6***	***17***	< 28	< 31	***42***																			
1,2-Dichloropropane	0000788	5	0.5	< 8.7	< 8.2	***11***	< 26	< 25	< 25																			
1,2-trans-Dichloroethene	0001566	100	20	< 10	< 5.1	< 6.3	< 16	< 24	< 24																			
1,4-Dichlorobenzene	0001064	75	15	< 8.9	< 7.4	< 6.4	< 16	< 27	< 27																			
124TRIMTHLBENZEN	0000956	480	96	< 7.2	< 4.8	6.2	< 15	< 30	< 30																			
135TRIMTHLBENZEN	0001086	480	96	< 7.8	< 4.9	< 6.1	< 15	< 32	< 32																			
2-Chlorotoluene	0000954	NSE	NSE	< 8	< 4.7	< 7.3	< 18	< 32	< 32																			
Acetone	0000676	9000	1800	< 170	< 100	< 200	< 500	< 520	< 520																			
Benzene	0000714	5	0.5	***12***	***9.5***	***20***	***26***	< 32	< 32																			
Chloroethane	0000750	400	80	< 61	< 29	52	97	< 260	< 260																			
Chloroform	0000676	6	0.6	< 8.1	< 3.3	< 6.5	< 16	< 28	< 28																			
Chloromethane	0000748	30	3	< 9.3	< 5.8	< 14	< 35	< 30	< 30																			
Dichlorodifluoromethan	0000757	1000	200	< 12	9.7	< 6.7	< 17	< 24	< 24																			
Ethylbenzene	0001004	700	140	100	78	350	360	260	340																			
Fluorotrichloromethane	0000756	3490	698	< 13	< 5.3	< 5.4	< 14	< 32	< 32																			
Hexachlorobutadiene	0000876	NSE	NSE	< 18	< 6.2	< 18	< 45	< 28	< 28																			
Isopropyl Alcohol	0000676	NSE	NSE	< 330	< 250	< 710	< 1800	< 790	< 790																			
Isopropyl ether	0001082	NSE	NSE	< 9.8	5	< 10	< 25	< 24	25																			
Isopropylbenzene	0000988	NSE	NSE	< 8.6	< 4.4	< 5.1	< 13	< 28	< 28																			
Methyl Ethyl Ketone	0000789	4000	800	< 40	< 12	< 50	< 130	< 130	< 130																			
Methyl Isobutyl Ketone	0001081	500	50	< 21	< 9.2	150	100	86	< 39																			
Methyl tert-butyl Ether	0016340	60	12	< 11	< 4.8	< 6.4	< 16	< 24	< 24																			
Methylene Chloride	0000750	5	0.5	< 19	***6.1***	< 13	< 33	< 50	< 50																			
Naphthalene	0000912	100	10	< 16	< 7.9	< 15	< 38	< 40	< 40																			
n-Butylbenzene	0001045	NSE	NSE	< 7.2	< 5.6	< 6.8	< 17	< 31	< 31																			
p-Isopropyltoluene	0000998	NSE	NSE	< 7.6	< 4.1	< 5.4	< 14	< 25	< 25																			
Styrene	0001004	100	10	< 6.8	< 5	< 5.5	< 14	< 24	< 24																			
Tetrachloroethene	0001271	5	0.5	< 8.2	< 3	< 9	< 23	***86***	< 18																			
Toluene	0001088	800	160	340	260	***1300***	***1600***	***1500***	***2200***																			
Total TriMthBenzenes	TOTALT	480	96	< 7.2	< 4.8	6.2	< 15	< 30	< 30																			
Total Xylenes	TOTAL X	2000	400	173	122	565	540	303	378																			
Trichloroethene	0000790	5	0.5	< 6.7	< 9.3	< 8.2	< 20	< 31	< 31																			
Vinyl Chloride	0000750	0.2	0.02	***140***	***180***	***310***	***400***	***360***	***410***																			
Xylene - M & P	1796012	2000	400	140	100	470	440	240	310																			
Xylene - O	0000954	2000	400	33	22	95	100	63	68																			

185 **W-19R**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 200	< 0.36		< 0.36	< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5														< 0.62	< 19.7	< 19.7	< 19.7	< 19.7	< 19.7	< 79.0	< 0.40		< 0.4	< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85														8.6	< 24.2	< 24.2	< 24.2	< 24.2	< 24.2	< 96.6	24		< 0.31	11	22
1,1-Dichloroethene	0000753	7	0.7														< 1.6	< 41.0	< 41.0	< 41.0	< 41.0	< 41.0	< 164	< 0.28		< 0.28	< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE														< 8.5	< 213	< 213	< 213	< 213	< 213	< 853	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14														< 8.8	< 221	< 221	< 221	< 221	< 221	< 884	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7														< 1.0	< 25.6	< 25.6	< 25.6	< 25.6	< 25.6	***103***	0.78		< 0.25	< 0.42	< 0.42
1,2-Dichlorobenzene	0000955	600	60														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 200	< 0.22		< 0.22	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5														***54.4***	***153***	***153***	***115***	***132***	***74.6***	***173***	***60***		***33***	***15***	***27***
1,2-Dichloropropane	0000788	5	0.5														1.3	< 23.3	< 23.3	< 23.3	< 23.3	< 23.3	< 93.2	0.88		< 0.25	< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20														1.9	< 25.7	< 25.7	< 25.7	< 25.7	< 25.7	< 103	3.1		< 0.28	< 0.48	< 0.48
1,4-Dichlorobenzene	0001064	75	15														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 200	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 200	< 0.37		< 0.37	< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 200	< 0.29		< 0.29	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 200	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800														< 11.8	2530	2430	2940	1610	< 295	4640	< 0.92		< 0.92	< 1.1	< 6.2
Benzene	0000714	5	0.5														***34.2***	***114***	***119***	***104***	***131***	***101***	< 200	***90***		***67***	***31***	***89***
Chloroethane	0000750	400	80														317	***703***	283	313	***492***	***533***	***907***	< 0.29		320	170	***420***
Chloroform	0000676	6	0.6														< 10.0	< 250	< 250	< 250	< 250	< 250	< 1000	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 200	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200														< 0.81	< 22.4	< 22.4	< 22.4	< 22.4	< 22.4	< 89.7	< 0.13		< 0.13	< 0.68	< 0.68
Ethylbenzene	0001004	700	140														13.3	< 50.0	107	112	136	497	435	690		***1000***	***800***	***810***
Fluorotrichloromethane	0000756	3490	698														< 0.69	< 18.5	< 18.5	< 18.5	< 18.5	< 18.5	< 74.0	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE														< 8.4	< 211	< 211	< 211	< 211	< 211	< 842	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE														< 97.4	4350	2920	3320	2900	< 2430	< 9740	NA		< 33	< 33	< 33
Isopropyl ether	0001082	NSE	NSE														25.4	115	69.6	69.8	64.1	< 50.0	< 200	28		13	4.9	24
Isopropylbenzene	0000988	NSE	NSE														< 0.57	< 14.3	< 14.3	< 14.3	< 14.3	< 14.3	< 57.3	1.3		< 0.31	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800														< 11.9	753	840	878	420	< 298	< 1190	< 0.58		< 0.58	< 0.52	14
Methyl Isobutyl Ketone	0001081	500	50														< 8.6	***6510***	***7370***	***7410***	***6570***	366	***12400***	***1100***		< 0.11	< 0.52	55
Methyl tert-butyl Ether	0016340	60	12														1.8	< 17.4	< 17.4	< 17.4	< 17.4	< 17.4	< 69.7	2.5		< 0.12	< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5														1.1	< 23.3	< 23.3	< 23.3	< 23.3	< 23.3	< 93.0	1.9		< 0.56	< 0.86	< 0.86
Naphthalene	0000912	100	10														< 10.0	< 250	< 250	< 250	< 250	< 250	< 1000	< 0.18		< 0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 200	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 200	< 0.14		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 200	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 200	< 0.27		< 0.27	< 0.39	< 0.39
Toluene	0001088	800	160														450	***4290***	***14100***	***9790***	***17300***	***22500***	***31600***	***8500***		***5000***	< 0.45	***32000***
Total TriMthBenzenes	TOTALT	480	96														< 4	< 100	< 100	< 100	< 100	< 100	< 400	< .66		< .66	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400														33	< 150	242	319	332	1058	894	1600		***2450***	***2120***	1960
Trichloroethene	0000790	5	0.5														< 1.3	< 33.1	< 33.1	< 33.1	< 33.1	< 33.1	< 132	0.68		< 0.3	< 0.43	< 0.43
Vinyl Chloride	0000750	0.2	0.02														< 0.70	< 17.6	< 17.6	< 17.6	< 17.6	< 17.6	< 70.2	< 0.20		< 0.2	< 0.53	< 0.53
Xylene - M & P	1796012	2000	400														23.7	< 100	134	218	197	668	576	1000		1700	1500	1200
Xylene - O	0000954	2000	400														9.3	< 50.0	108	101	135	390	318	600		750	620	760

187 **W-20**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	2.7	1.1	1	1.4	.89	< .52	< 5.5	< .52	< 0.44	< 0.44		< 0.50			< 0.50		0.80		< 0.50		3.2				
1,1,2-Trichloroethane	0000790	5	0.5	3.4	1.3	5	.96	< .63	< .63	***28***	3.6	< 0.39	< 0.39		0.87			0.68		0.40		< 0.20		< 0.40				
1,1-Dichloroethane	0000753	850	85	45	23	16	19	14	7.6	91	14	4.6	2.9		20.7			13.7		20.3		5.2		22				
1,1-Dichloroethene	0000753	7	0.7	1.6	.9	< .6	< .38	< .5	< .5	***7.2***	< .5	< 0.43	< 0.43		< 0.41			< 0.41		< 0.41		< 0.41		0.84				
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 1.1	< .59	< .9	< .56	< .65	< .65	< 6.8	< .65	< 0.77	< 0.77		< 2.1			< 2.1		< 2.1		< 2.1		< 0.17				
1,2,4-Trichlorobenzene	0001208	70	14	< 1.3	< .44	< 1.2	< .76	< .71	< .71	< 8	< .71	< 2.5	< 2.5		< 2.2			< 2.2		< 2.2		< 2.2		< 0.21				
1,2-cis-Dichloroethene	0001565	70	7	34	22	13	19	12	7.3	67	6.5	4.9	2.7		4.2			7.7		13.0		4.5		23				
1,2-Dichlorobenzene	0000955	600	60	< .63	.43	< .52	.48	< .47	< .47	4.2	< .47	< 0.44	< 0.44		< 0.50			< 0.50		< 0.50		< 0.50		< 0.22				
1,2-Dichloroethane	0001070	5	0.5	.88	.31	< .88	< .55	< .61	< .61	***12***	1.7	< 0.48	< 0.48		2.2			0.94		1.4		< 0.17		1.9				
1,2-Dichloropropane	0000788	5	0.5	< .87	< .65	< .83	< .52	< .49	< .49	< 5.4	< .49	< 0.50	< 0.50		< 0.23			< 0.23		< 0.23		< 0.23		< 0.25				
1,2-trans-Dichloroethene	0001566	100	20	3	2.8	2.6	3.4	3.7	3.7	44	3.3	4.4	3.3		4.9			4.3		5.7		4.2		3.5				
1,4-Dichlorobenzene	0001064	75	15	< .89	< .59	< .51	< .32	< .55	< .55	< 5.6	< .55	< 0.43	< 0.43		< 0.50			< 0.50		< 0.50		< 0.50		< 0.21				
124TRIMTHLBENZEN	0000956	480	96	1.3	1.4	1.3	1.2	.94	.78	10	.78	< 0.57	< 0.50		< 0.50			< 0.50		< 0.50		< 0.50		< 0.37				
135TRIMTHLBENZEN	0001086	480	96	.8	.74	.68	.7	< .64	< .64	5.9	< .64	< 2.5	< 0.50		< 0.50			< 0.50		< 0.50		< 0.50		< 0.29				
2-Chlorotoluene	0000954	NSE	NSE	< .8	< .38	< .58	< .36	< .64	< .64	< 5	< .64	< 0.48	< 0.48		< 0.50			< 0.50		< 0.50		< 0.50		< 0.32				
Acetone	0000676	9000	1800	< 17	< 8	< 16	< 10	< 10	< 10	< 100	< 10	< 2.6	< 2.6		6.2			< 3.0		< 3.0		< 3.0		< 0.92				
Benzene	0000714	5	0.5	< .78	< .48	< .52	< .33	< .64	< .64	< 4.9	< .64	< 0.50	< 0.50		< 0.50			< 0.50		< 0.50		< 0.50		< 0.30				
Chloroethane	0000750	400	80	< 6.1	< 2.3	< 2.7	< 1.7	< 5.1	< 5.1	< 38	< 5.1	< 0.44	< 0.44		3.9			0.93		1.2		< 0.37		< 0.29				
Chloroform	0000676	6	0.6	< .81	.32	< .52	< .32	< .56	< .56	< 5.1	< .56	< 0.69	< 0.69		< 2.5			< 2.5		< 2.5		< 2.5		0.47				
Chloromethane	0000748	30	3	< .93	< .46	< 1.1	< .7	< .6	< .6	< 5.8	< .6	< 0.39	< 0.39		< 0.50			< 0.50		< 0.50		< 0.50		< 0.17				
Dichlorodifluoromethan	0000757	1000	200	< 1.2	4.7	< .54	5.2	4.1	< .48	46	< .48	< 0.40	< 0.40		< 0.16			< 0.22		< 0.22		< 0.22		< 0.13				
Ethylbenzene	0001004	700	140	26	27	23	21	21	28	340	30	32.2	8.8		23.6			15.9		13.2		12.4		8.4				
Fluorotrichloromethane	0000756	3490	698	< 1.3	< .42	< .43	< .27	< .64	< .64	< 7.9	< .64	< 0.48	< 0.48		< 0.17			< 0.18		< 0.18		< 0.18		< 0.20				
Hexachlorobutadiene	0000876	NSE	NSE	< 1.8	< .49	< 1.4	< .9	< .57	< .57	< 11	< .57	< 1.3	< 1.3		< 2.1			< 2.1		< 2.1		< 2.1		< 0.24				
Isopropyl Alcohol	0000676	NSE	NSE	< 33	< 20	< 57	< 35	< 16	33	< 210	< 16	< 40.8	< 40.8		48.2			< 24.3		< 24.3		< 24.3		NA				
Isopropyl ether	0001082	NSE	NSE	< .98	< .31	< .81	< .51	< .47	< .47	< 6.1	< .47	< 0.50	< 0.50		< 0.50			< 0.50		< 0.50		< 0.50		< 0.13				
Isopropylbenzene	0000988	NSE	NSE	< .86	< .35	< .4	.28	< .56	< .56	< 5.4	< .56	< 0.34	< 0.34		< 0.12			0.14		< 0.14		1.3		< 0.31				
Methyl Ethyl Ketone	0000789	4000	800	< 4	< 1	< 4	2.5	< 2.5	< 2.5	< 25	< 2.5	< 2.7	< 2.7		< 3.0			< 3.0		< 3.0		< 3.0		< 0.58				
Methyl Isobutyl Ketone	0001081	500	50	< 2.1	< .74	< 2.6	< 1.6	< .78	< .78	< 13	< .78	< 2.3	< 2.3		< 2.1			< 2.1		< 2.1		< 2.1		< 0.11				
Methyl tert-butyl Ether	0016340	60	12	< 1.1	< .38	< .51	< .32	< .48	< .48	< 7.1	< .48	< 0.49	< 0.49		< 0.17			< 0.17		< 0.17		< 0.17		< 0.12				
Methylene Chloride	0000750	5	0.5	< 1.9	.6	< 1.1	< .67	< 1	< 1	< 12	< 1	< 0.36	< 0.36		< 0.23			< 0.23		< 0.23		< 0.23		< 0.56				
Naphthalene	0000912	100	10	2.1	1.7	2	2.1	1.9	2.7	19	2.5	< 2.5	< 2.5		< 2.5			< 2.5		< 2.5		2.8		0.77				
n-Butylbenzene	0001045	NSE	NSE	< .72	< .45	< .54	< .34	< .61	< .61	< 4.5	< .61	< 0.40	< 0.40		< 0.22			< 0.50		< 0.50		< 0.50		< 0.22				
p-Isopropyltoluene	0000998	NSE	NSE	< .76	< .33	< .43	< .27	< .51	< .51	< 4.8	< .51	< 0.40	< 0.40		< 0.13			< 0.50		< 0.50		< 0.50		< 0.14				
Styrene	0001004	100	10	< .68	< .4	< .44	< .27	< .49	< .49	< 4.3	< .49	< 0.35	< 0.35		< 0.15			< 0.50		< 0.50		< 0.50		< 0.24				
Tetrachloroethene	0001271	5	0.5	***19***	***15***	***19***	***22***	***16***	***8.5***	***82***	***6.3***	0.78	< 0.47		2.3			2.4		2.5		0.85		***6.7***				
Toluene	0001088	800	160	1.3	1.2	1.4	1.6	1.8	1.9	15	1.1	0.93	0.63		< 0.50			< 0.50		< 0.50		< 0.50		0.83				
Total TriMthBenzenes	TOTALT	480	96	2.1	2.14	1.98	1.9	.94	.78	15.9	.78	< .57	< .5		< .5			< 1		< 1		< 1		< .66				
Total Xylenes	TOTAL X	2000	400	13	14.48	9.9	9.25	7	6.9	68	6	< .5	< .5		< .5			3.3		2.5		3.8		3.9				
Trichloroethene	0000790	5	0.5	***24***	***14***	***18***	***16***	***13***	***10***	***100***	***9.7***	4.6	1.5		***5.4***			***7.3***		***8.9***		5.0		***12***				
Vinyl Chloride	0000750	0.2	0.02	***11***	***12***	***6.5***	***7.9***	***4.6***	***4.2***	***48***	***2.7***	***3.8***	***2***		***2.6***			***2.2***		***3.9***		***2.8***		***3.3***				
Xylene - M & P	1796012	2000	400	13	14	9.9	8.7	7	6.9	68	6	6.9	2.4		3.8			3.3		2.5		3.8		3.9				
Xylene - O	0000954	2000	400	< .96	.48	< .62	.55	< .56	< .56	< 6	< .56	< 0.50	< 0.50		< 0.50			< 0.50		< 0.50		< 0.50		< 0.35				

193 **W-22**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .22	< .13		< .22	< .21	< .21	< 2.2	< 1	< 0.44	< 0.44		< 2.0	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.2	< 0.36					
1,1,2-Trichloroethane	0000790	5	0.5	< .23	< .21		< .23	< .25	< .25	< 2.3	< 1.3	< 0.39	< 0.39		< 0.62	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.49	< 0.40					
1,1-Dichloroethane	0000753	850	85	4.5	6.7		10	13	22	6.8	11	40.5	8.2		28.6	8.1		16.1	19.6	19.5	2.4	13.3	18.9	2.9					
1,1-Dichloroethene	0000753	7	0.7	< .21	.53		.74	< .2	< .2	2.5	< 1	3.0	3.5		5.8	0.89		4.9	*8.1*	6.7	< 0.41	0.82	< 1.0	< 0.28					
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .27	< .3		< .27	< .26	< .26	< 2.7	< 1.3	< 0.77	< 0.77		< 8.5	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 5.3	< 0.17					
1,2,4-Trichlorobenzene	0001208	70	14	< .32	< .22		< .32	< .28	< .28	< 3.2	< 1.4	< 2.5	< 2.5		< 8.8	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 5.5	< 0.21					
1,2-cis-Dichloroethene	0001565	70	7	13	11		12	12	28	13	25	*94.8*	19		51.6	18.2		58.8	58.9	56.5	10.3	35.7	19.2	14					
1,2-Dichlorobenzene	0000955	600	60	< .16	< .16		< .16	< .19	< .19	< 1.6	< .93	< 0.44	< 0.44		< 2.0	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.2	< 0.22					
1,2-Dichloroethane	0001070	5	0.5	.34	.24		.24	< .24	.37	< 1.6	< 1.2	0.50	< 0.48		< 0.67	0.40		0.41	0.45	0.43	0.30	0.58	< 0.42	< 0.17					
1,2-Dichloropropane	0000788	5	0.5	< .22	< .33		< .22	< .2	.28	< 2.2	< .99	0.72	< 0.50		< 0.93	< 0.23		0.40	0.49	0.48	< 0.23	0.61	0.81	< 0.25					
1,2-trans-Dichloroethene	0001566	100	20	.77	.77		.79	1.3	2.2	< 2.6	< .97	3.1	1.5		5.5	1.3		1.6	2.1	2.4	0.56	2.4	2.7	< 0.28					
1,4-Dichlorobenzene	0001064	75	15	< .22	< .3		< .22	< .22	< .22	< 2.2	< 1.1	< 0.43	< 0.43		< 2.0	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.2	< 0.21					
124TRIMTHLBENZEN	0000956	480	96	< .18	< .19		< .18	< .24	< .24	< 1.8	< 1.2	< 0.57	< 0.50		< 2.0	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.2	< 0.37					
135TRIMTHLBENZEN	0001086	480	96	< .2	< .19		< .2	< .25	< .25	< 2	< 1.3	< 2.5	< 0.50		< 2.0	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.2	< 0.29					
2-Chlorotoluene	0000954	NSE	NSE	< .2	< .19		< .2	< .26	< .26	< 2	< 1.3	< 0.48	< 0.48		< 2.0	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.2	< 0.32					
Acetone	0000676	9000	1800	< 4.2	< 4		4.5	< 4.2	< 4.2	< 42	< 21	27.5	< 2.6		35.8	< 3.0		4.4	< 3.0	< 3.0	< 3.0	3.7	< 7.4	< 0.92					
Benzene	0000714	5	0.5	< .2	< .24		.93	1.2	2.5	< 2	< 1.3	1.6	< 0.50		< 2.0	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	0.70	< 1.2	< 0.30					
Chloroethane	0000750	400	80	< 1.5	4.8		34	39	80	< 15	22	95.7	2.6		201	3.2		4.7	24.2	2.2	1.2	73.3	65.2	< 0.29					
Chloroform	0000676	6	0.6	< .2	< .13		< .2	< .23	< .23	< 2	< 1.1	< 0.69	< 0.69		< 10.0	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 6.2	< 0.26					
Chloromethane	0000748	30	3	< .23	< .23		< .23	< .24	< .24	< 2.3	< 1.2	< 0.39	< 0.39		< 2.0	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.2	< 0.17					
Dichlorodifluoromethan	0000757	1000	200	< .29	3.1		< .29	< .19	< .19	8.4	< .95	< 0.40	< 0.40		< 0.62	7.9		< 0.22	< 0.22	< 0.22	< 0.22	2.8	< 0.56	< 0.13					
Ethylbenzene	0001004	700	140	.96	1.1		6.5	7.2	16	< 2.1	3.7	9.5	1.3		8.1	1.2		1.8	2.9	1.7	1.4	8.8	9.2	1.8					
Fluorotrichloromethane	0000756	3490	698	< .32	< .21		< .32	< .25	< .25	< 3.2	< 1.3	< 0.48	< 0.48		< 0.69	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.46	< 0.20					
Hexachlorobutadiene	0000876	NSE	NSE	< .45	< .25		< .45	< .23	< .23	< 4.5	< 1.1	< 1.3	< 1.3		< 8.4	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 5.3	< 0.24					
Isopropyl Alcohol	0000676	NSE	NSE	< 8.3	< 10		27	6.5	21	< 83	< 32	77.1	< 40.8		126	< 24.3		65.7	< 24.3	< 24.3	< 24.3	< 24.3	< 60.9	NA					
Isopropyl ether	0001082	NSE	NSE	< .25	< .16		.26	.38	.95	< 2.5	< .95	0.57	< 0.50		< 2.0	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.2	< 0.13					
Isopropylbenzene	0000988	NSE	NSE	< .22	< .18		< .22	< .22	< .22	< 2.2	< 1.1	< 0.34	< 0.34		< 0.47	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.31					
Methyl Ethyl Ketone	0000789	4000	800	< 1	.68		1.7	< 1	< 1	< 10	< 5	12.1	< 2.7		< 11.9	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 7.4	< 0.58					
Methyl Isobutyl Ketone	0001081	500	50	5.2	5.2		5.6	2.5	6.8	< 5.3	4.7	81.2	< 2.3		84.1	< 2.1		< 2.1	7.3	< 2.1	< 2.1	< 2.1	< 5.4	< 0.11					
Methyl tert-butyl Ether	0016340	60	12	< .28	< .19		< .28	< .19	< .19	< 2.8	< .95	< 0.49	< 0.49		< 0.70	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.44	< 0.12					
Methylene Chloride	0000750	5	0.5	< .48	.41		< .48	< .4	.66	< 4.8	< 2	1.5	< 0.36		*14.3*	0.46		0.57	1.0	< 0.23	< 0.23	2.8	< 0.58	< 0.56					
Naphthalene	0000912	100	10	< .41	< .32		< .41	< .32	< .32	< 4.1	< 1.6	< 2.5	< 2.5		< 10.0	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 6.2	< 0.18					
n-Butylbenzene	0001045	NSE	NSE	< .18	< .23		< .18	< .24	< .24	< 1.8	< 1.2	< 0.40	< 0.40		< 0.90	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.2	< 0.22					
p-Isopropyltoluene	0000998	NSE	NSE	< .19	< .16		< .19	< .2	< .2	< 1.9	< 1	< 0.40	< 0.40		< 0.51	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.2	< 0.14					
Styrene	0001004	100	10	< .17	< .2		< .17	.37	.85	< 1.7	< .97	< 0.35	< 0.35		< 0.61	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.2	< 0.24					
Tetrachloroethene	0001271	5	0.5	< .21	< .12		< .21	< .15	< .15	< 2.1	< .73	0.86	0.58		< 2.0	< 0.50		0.61	0.86	0.67	< 0.50	0.52	< 1.2	< 0.27					
Toluene	0001088	800	160	9.5	12		150	140	340	94	59	213	7.2		265	5.9		9.7	43.3	4.0	3.5	191	180	3.8					
Total TriMthBenzenes	TOTALT	480	96	< .18	< .19		< .18	< .24	< .24	< 1.8	< 1.2	< .57	< .5		< 2	< 1		< 1	< 1	< 1	< 1	< 1	< 2.4	< .66					
Total Xylenes	TOTAL X	2000	400	9.9	11.1		31	32	66	24	19.7	< .5	< .5		< 2	6.8		9.3	13.9	7.5	7.8	33.2	33.2	7.7					
Trichloroethene	0000790	5	0.5	*5.9*	*5.1*		4.3	3.2	4.1	*5.9*	*5.4*	2.7	4		1.4	3.5		3.0	3.3	3.6	4.3	3.3	3.2	3.0					
Vinyl Chloride	0000750	0.2	0.02	*9.7*	*13*		*11*	*15*	*34*	*13*	*15*	*21.0*	*13.3*		*29.6*	*11.5*		*23.3*	*50.6*	*50.1*	*6.2*	*15.7*	*18.3*	*8.6*					
Xylene - M & P	1796012	2000	400	3.5	4.2		19	20	47	13	11	23.9	2.4		14.4	2.0		3.5	7.3	2.3	1.7	21.2	21.7	2.0					
Xylene - O	0000954	2000	400	6.4	6.9		12	12	19	11	8.7	14.1	5.3		7.2	4.8		5.8	6.6	5.2	6.1	12.0	11.5	5.7					

205 **W-26**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .13	< .13	< .22	< .22	< .21	< .21	< .22	< .21	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.36		< 0.36	< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5	< .21	< .21	< .23	< .23	< .25	< .25	< .23	< .25	< 0.39	< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40		< 0.4	< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85	2.6	2.2	1.9	1.8	2	1.9	2.3	1.7	1.3	1.1		1.3	7.1		1.7	1.1	1.5	1.4	1.1	0.96	1.1		< 0.31	0.67	0.52
1,1-Dichloroethene	0000753	7	0.7	.33	.56	.44	.31	.51	.33	.69	.27	< 0.43	< 0.43		< 0.41	< 0.41		< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.28		< 0.28	< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3	< .3	< .27	< .27	< .26	< .26	< .27	< .26	< 0.77	< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14	< .22	< .22	< .32	< .32	< .28	< .28	< .32	< .28	< 2.5	< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7	1.1	1.2	1.7	2	2.2	2.2	2.3	3.1	2.9	3.8		3.2	9.7		8.0	6.2	8.3	7.3	8.0	7.8	9.7		8.8	6.4	5.8
1,2-Dichlorobenzene	0000955	600	60	< .16	< .16	< .16	< .16	< .19	< .19	< .16	< .19	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5	< .15	< .15	< .16	< .16	< .24	< .24	< .16	< .24	< 0.48	< 0.48		< 0.17	0.47		1.0	< 0.17	< 0.17	0.65	< 0.17	< 0.17	< 0.17		< 0.17	< 0.44	< 0.44
1,2-Dichloropropane	0000788	5	0.5	< .33	< .33	< .22	< .22	< .2	< .2	< .22	< .2	< 0.50	< 0.50		< 0.23	0.50		< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.25		< 0.25	< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20	< .21	< .21	< .26	< .26	< .19	.2	.44	.4	0.42	0.94		1.0	4.6		1.4	1.7	2.2	2.3	4.7	2.2	4.9		5.2	4	4.9
1,4-Dichlorobenzene	0001064	75	15	< .3	< .3	< .22	< .22	< .22	< .22	< .22	< .22	< 0.43	< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96	< .19	< .19	< .18	< .18	< .24	< .24	< .18	< .24	< 0.57	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.37		< 0.37	< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96	< .19	< .19	< .2	< .2	< .25	< .25	< .2	< .25	< 2.5	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.29		< 0.29	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE	< .19	< .19	< .2	< .2	< .26	< .26	< .2	< .26	< 0.48	< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800	< 4	< 4	< 4.2	< 4.2	< 4.2	5.2	4.7	< 4.2	< 2.6	< 2.6		< 3.0	< 3.0		3.1	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	2.4		< 0.92	< 3	< 6.2
Benzene	0000714	5	0.5	< .24	< .24	< .2	< .2	< .26	< .26	< .2	< .26	< 0.50	< 0.50		< 0.50	< 0.50		1.6	< 0.50	< 0.50	1.2	< 0.50	< 0.50	< 0.30		< 0.3	< 0.46	< 0.46
Chloroethane	0000750	400	80	< 1.1	< 1.1	< 1.5	< 1.5	< 2.1	< 2.1	< 1.5	< 2.1	< 0.44	< 0.44		< 0.37	2.6		2.8	< 0.37	< 0.37	1.2	< 0.37	< 0.37	< 0.29		< 0.29	< 0.68	< 0.68
Chloroform	0000676	6	0.6	< .13	< .13	< .2	< .2	< .23	< .23	< .2	< .23	< 0.69	< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3	< .23	< .23	< .23	< .23	< .24	< .24	< .23	< .24	< 0.39	< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200	< .25	< .25	< .29	< .29	< .19	< .19	< .29	< .19	< 0.40	< 0.40		< 0.16	< 0.20		< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.13		< 0.13	< 0.68	< 0.68
Ethylbenzene	0001004	700	140	< .15	< .15	< .21	< .21	< .22	< .22	< .21	< .22	< 0.50	< 0.50		< 0.50	< 0.50		5.8	< 0.50	< 0.50	1.7	< 0.50	< 0.50	0.42		< 0.4	< 0.34	< 0.34
Fluorotrichloromethane	0000756	3490	698	< .21	< .21	< .32	< .32	< .25	< .25	< .32	< .25	< 0.48	< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE	< .25	< .25	< .45	< .45	< .23	< .23	< .45	< .23	< 1.3	< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE	13	< 10	< 8.3	< 8.3	23	9.8	17	< 6.3	< 40.8	< 40.8		29.8	< 24.3		26.2	< 24.3	< 24.3	< 24.3	< 24.3	< 24.3	NA		< 33	< 100	190
Isopropyl ether	0001082	NSE	NSE	< .16	< .16	< .25	< .25	< .19	< .19	< .25	< .19	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.13		< 0.13	< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE	< .18	< .18	< .22	< .22	< .22	< .22	< .22	< .22	< 0.34	< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.31		< 0.31	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800	1.1	< .5	< 1	< 1	< 1	< 1	< 1	< 1	< 2.7	< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 0.58		< 0.58	< 0.52	1.4
Methyl Isobutyl Ketone	0001081	500	50	< .37	< .37	< .53	< .53	< .31	< .31	< .53	< .31	< 2.3	< 2.3		< 2.1	< 2.1		6.3	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.11		< 0.11	< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12	< .19	< .19	< .28	< .28	< .19	< .19	< .28	< .19	< 0.49	< 0.49		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.12		< 0.12	< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5	< .22	.28	< .48	< .48	< .4	< .4	< .48	< .4	< 0.36	< 0.36		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.56		< 0.56	< 0.86	< 0.86
Naphthalene	0000912	100	10	< .32	< .32	< .41	< .41	< .32	< .32	< .41	< .32	< 2.5	< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 0.18		< 0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE	< .23	< .23	< .18	< .18	< .24	< .24	< .18	< .24	< 0.40	< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE	< .16	< .16	< .19	< .19	< .2	< .2	< .19	< .2	< 0.40	< 0.40		< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.14		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10	< .2	< .2	< .17	< .17	< .19	< .19	< .17	< .19	< 0.35	< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5	< .12	< .12	< .21	< .21	< .15	< .15	< .21	< .15	< 0.47	< 0.47		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.27		< 0.27	< 0.39	< 0.39
Toluene	0001088	800	160	< .18	< .18	< .17	< .17	< .23	< .23	< .17	< .23	< 0.44	< 0.44		< 0.50	32.5		233	< 0.50	< 0.50	218	< 0.50	2.8	3.6		< 0.37	< 0.45	< 0.45
Total TriMthBenzenes	TOTALT	480	96	< .19	< .19	< .18	< .18	< .24	< .24	< .18	< .24	< .57	< .5		< .5	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< .66		< .66	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400	< .17	< .17	< .24	< .24	< .22	< .22	< .24	< .22	< .5	< .5		< .5	< 1.5		18.5	< 1.5	< 1.5	3.2	< 1.5	< 1.5	< 1.33		< 1.33	< 1.12	< 1.12
Trichloroethene	0000790	5	0.5	3.5	4.4	4.1	2.9	4.5	2.8	4.8	4.2	4.5	***9.8***		***6.3***	***16.5***		***10.7***	***15.2***	***19.6***	***18.9***	***39.7***	***23.7***	***35***		***38***	***28***	***34***
Vinyl Chloride	0000750	0.2	0.02	***2.9***	***3***	***3.2***	***4***	***2.4***	***4.3***	***5.6***	***4.6***	***3.2***	***4.1***		***4.6***	***4.1***		***1.1***	***2.4***	***2.6***	***2.2***	***1.4***	< 0.18	***1.9***		***1.4***	< 0.53	< 0.53
Xylene - M & P	1796012	2000	400	< .28	< .28	< .33	< .33	< .46	< .46	< .33	< .46	< 0.82	< 0.82		< 1.0	< 1.0		13.0	< 1.0	< 1.0	1.7	< 1.0	< 1.0	< 0.98		< 0.98	< 0.81	< 0.81
Xylene - O	0000954	2000	400	< .17	< .17	< .24	< .24	< .22	< .22	< .24	< .22	< 0.50	< 0.50		< 0.50	< 0.50		5.5	< 0.50	< 0.50	1.5	< 0.50	< 0.50	0.36		< 0.35	< 0.31	< 0.31

208 **W-27**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .13	< .13	< .22	< .22	< .21	< .21	< .22	< .52	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.36		< 0.36	< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5	< .21	< .21	< .23	< .23	< .25	< .25	< .23	< .63	< 0.39	< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40		< 0.4	< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85	19	17	18	15	12	17	25	21	15.0	9		12.9	12.3		7.4	5.7	2.5	1.5	1.1	1.5	3.1		2.6	2.5	1.3
1,1-Dichloroethene	0000753	7	0.7	< .22	.78	2	2.1	1.3	< .2	1.2	< .5	0.91	0.73		0.86	0.80		0.83	1.1	0.78	0.47	0.56	0.56	0.55		< 0.28	< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3	< .3	< .27	< .27	< .26	< .26	< .27	< .65	< 0.77	< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14	< .22	< .22	< .32	< .32	< .28	< .28	< .32	< .71	< 2.5	< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7	5.1	5.7	7.7	6	7.4	4.8	3.9	3.8	7.6	7.8		8.1	8.3		9.4	7.4	5.5	3.3	3.5	3.3	3.7		4.8	3.8	3.5
1,2-Dichlorobenzene	0000955	600	60	< .16	< .16	< .16	< .16	< .19	< .19	< .16	< .47	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5	1.6	1.4	1.7	1.2	.86	1.1	1.2	1.4	0.73	< 0.48		< 0.17	0.46		0.31	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17		< 0.17	< 0.44	< 0.44
1,2-Dichloropropane	0000788	5	0.5	.89	.92	.98	.79	.63	.63	.51	< .49	< 0.50	< 0.50		< 0.23	0.32		< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.25		< 0.25	< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20	< .21	< .21	< .26	< .26	< .19	< .19	.34	< .48	0.47	< 0.37		0.29	< 0.26		< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	0.84		< 0.28	< 0.48	< 0.48
1,4-Dichlorobenzene	0001064	75	15	< .3	< .3	< .22	< .22	< .22	< .22	< .22	< .55	< 0.43	< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96	.21	< .19	< .18	< .18	< .24	< .24	.29	< .59	< 0.57	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.37		< 0.37	< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96	< .19	< .19	< .2	< .2	< .25	< .25	< .2	< .64	< 2.5	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.29		< 0.29	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE	< .19	< .19	< .2	< .2	< .26	< .26	< .2	< .64	< 0.48	< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800	6.4	< 4	< 4.2	< 4.2	< 4.2	< 4.2	4.8	< 10	< 2.6	< 2.6		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 0.92		< 0.92	< 1.1	< 6.2
Benzene	0000714	5	0.5	.85	.39	.53	.38	.3	.41	1	1.7	1.5	1.7		1.1	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.30		< 0.3	< 0.46	< 0.46
Chloroethane	0000750	400	80	16	8.4	< 1.5	3.3	< 2.1	2.5	14	7.6	10.6	8.4		6.2	1.5		< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.29		< 0.29	< 0.68	< 0.68
Chloroform	0000676	6	0.6	< .13	< .13	< .2	< .2	< .23	< .23	< .2	< .56	< 0.69	< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3	.3	< .23	< .23	< .23	< .24	< .24	< .23	< .6	< 0.39	< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200	< .25	< .25	.45	.88	1.3	2.5	4	1.1	2.3	3.2		3.3	3.8		2.1	3.1	2.8	2.5	1.8	2.5	< 0.13		1	1.8	< 0.68
Ethylbenzene	0001004	700	140	8.5	3.5	1.5	.77	.69	2.1	20	10	2.2	1.1		0.71	< 0.50		1.4	0.94	< 0.50	< 0.50	< 0.50	< 0.50	0.67		< 0.4	1	0.8
Fluorotrichloromethane	0000756	3490	698	< .21	< .21	< .32	< .32	< .25	< .25	< .32	< .64	< 0.48	< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE	< .25	< .25	< .45	< .45	< .23	< .23	< .45	< .57	< 1.3	< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE	21	< 10	77	< 8.3	< 6.3	22	28	< 16	< 40.8	< 40.8		< 24.3	< 24.3		40.0	< 24.3	< 24.3	< 24.3	< 24.3	24.9	NA		< 33	< 33	200
Isopropyl ether	0001082	NSE	NSE	< .16	< .16	< .25	< .25	< .19	< .19	< .25	< .47	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.13		< 0.13	< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE	< .18	< .18	< .22	< .22	< .22	< .22	< .22	< .56	< 0.34	< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.31		< 0.31	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800	2	< .5	< 1	< 1	< 1	< 1	< 1	< 2.5	< 2.7	< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 0.58		< 0.58	< 0.52	0.92
Methyl Isobutyl Ketone	0001081	500	50	< .37	< .37	< .53	< .53	< .31	< .31	< .53	< .78	< 2.3	< 2.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.11		< 0.11	< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12	< .19	< .19	< .28	< .28	< .19	< .19	< .28	< .48	< 0.49	< 0.49		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.12		< 0.12	< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5	.6	.44	< .48	< .48	< .4	< .4	< .48	< 1	< 0.36	< 0.36		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.56		< 0.56	< 0.86	< 0.86
Naphthalene	0000912	100	10	< .32	< .32	< .41	< .41	< .32	< .32	< .41	< .8	< 2.5	< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 0.18		< 0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE	< .23	< .23	< .18	< .18	< .24	< .24	< .18	< .61	< 0.40	< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE	< .16	< .16	< .19	< .19	< .2	< .2	< .19	< .51	< 0.40	< 0.40		< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.14		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10	< .2	< .2	< .17	< .17	< .19	< .19	< .17	< .49	< 0.35	< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5	< .12	< .12	< .21	< .21	< .15	< .15	< .21	< .37	< 0.47	< 0.47		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.27		< 0.27	< 0.39	< 0.39
Toluene	0001088	800	160	7.6	4	2.7	4	3.7	4.7	12	14	4.8	3.4		2.2	2.1		1.3	0.82	< 0.50	< 0.50	< 0.50	< 0.50	2.3		< 0.37	< 0.45	< 0.45
Total TriMthBenzenes	TOTALT	480	96	.21	< .19	< .18	< .18	< .24	< .24	.29	< .59	< .57	< .5		< .5	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< .66		< .66	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400	20.7	9	3.29	1.56	1.45	6.2	61	36.1	< .5	< .5		< .5	< 1.5		< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	1.85		< 1.33	< 1.12	< 1.12
Trichloroethene	0000790	5	0.5	< .37	< .37	< .17	.21	1.4	1.5	1.4	1.6	2.2	3.9		4.1	***5.1***		***5.7***	***7.0***	***5.2***	3.9	2.7	2.6	3.4		3.2	2.6	2
Vinyl Chloride	0000750	0.2	0.02	***2***	***2.1***	***1.9***	***1.8***	***1.7***	***1.6***	***1.6***	***1.2***	***2.8***	***3.6***		***5.1***	***5.1***		***3.0***	***3.6***	***2.1***	***1.3***	***0.85***	***0.96***	< 0.20		***1.5***	***1.2***	***0.8***
Xylene - M & P	1796012	2000	400	15	6.6	2.5	1.2	1.1	4.6	44	27	4.2	2.2		1.0	< 1.0		1.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.4		< 0.98	< 0.81	< 0.81
Xylene - O	0000954	2000	400	5.7	2.4	.79	.36	.35	1.6	17	9.1	1.5	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.45		< 0.35	< 0.31	< 0.31

211 **W-28**

DESCRIPTION	CASNUM	ES	PAL	RESULTS MONTH/YEAR 05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40										< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.36		< 0.36	< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5										< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40		< 0.4	< 0.46	
1,1-Dichloroethane	0000753	850	85										13		< 0.16	0.60		< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.31		< 0.31	< 0.44	
1,1-Dichloroethene	0000753	7	0.7										< 0.43		< 0.41	< 0.41		< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.28		< 0.28	< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE										< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.17		< 0.17	< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14										< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 0.21		< 0.21	< 0.45	
1,2-cis-Dichloroethene	0001565	70	7										5.8		< 0.26	0.74		< 0.26	0.86	< 0.26	0.32	< 0.26	< 0.26	< 0.25		< 0.25	< 0.42	
1,2-Dichlorobenzene	0000955	600	60										< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22	< 0.32	
1,2-Dichloroethane	0001070	5	0.5										1.7		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17		< 0.17	< 0.44	
1,2-Dichloropropane	0000788	5	0.5										0.54		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.25		< 0.25	< 0.48	
1,2-trans-Dichloroethene	0001566	100	20										< 0.37		< 0.24	< 0.26		< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.28		< 0.28	< 0.48	
1,4-Dichlorobenzene	0001064	75	15										< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.21		< 0.21	< 0.35	
124TRIMTHLBENZEN	0000956	480	96										1.1		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.37		< 0.37	< 0.45	
135TRIMTHLBENZEN	0001086	480	96										< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.29		< 0.29	< 0.65	
2-Chlorotoluene	0000954	NSE	NSE										< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.32		< 0.32	< 0.36	
Acetone	0000676	9000	1800										< 2.6		< 3.0	< 3.0		13.1	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 0.92		< 0.92	< 3	
Benzene	0000714	5	0.5										< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.30		< 0.3	< 0.46	
Chloroethane	0000750	400	80										19.4		< 0.37	< 0.37		< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.29		< 0.29	< 0.68	
Chloroform	0000676	6	0.6										< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 0.26		< 0.26	< 0.46	
Chloromethane	0000748	30	3										< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.17		< 0.17	< 0.83	
Dichlorodifluoromethan	0000757	1000	200										< 0.40		< 0.16	< 0.20		< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.13		< 0.13	< 0.68	
Ethylbenzene	0001004	700	140										27.9		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.40		< 0.4	< 0.34	
Fluorotrichloromethane	0000756	3490	698										< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.20		< 0.2	< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE										< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.24		< 0.24	< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE										< 40.8		< 24.3	< 24.3		824	< 24.3	< 24.3	< 24.3	< 24.3	65.2	NA		< 33	< 33	
Isopropyl ether	0001082	NSE	NSE										< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.13		< 0.13	< 0.41	
Isopropylbenzene	0000988	NSE	NSE										< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.31		< 0.31	< 0.35	
Methyl Ethyl Ketone	0000789	4000	800										< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 0.58		< 0.58	< 0.52	
Methyl Isobutyl Ketone	0001081	500	50										< 2.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.11		< 0.11	< 0.52	
Methyl tert-butyl Ether	0016340	60	12										< 0.49		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.12		< 0.12	< 0.45	
Methylene Chloride	0000750	5	0.5										0.40		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.56		< 0.56	< 0.86	
Naphthalene	0000912	100	10										< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 0.18		< 0.18	< 0.77	
n-Butylbenzene	0001045	NSE	NSE										< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22	< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE										< 0.40		< 0.13	6.3		8.1	0.57	< 0.50	< 0.50	< 0.50	< 0.50	< 0.14		< 0.14	< 0.26	
Styrene	0001004	100	10										< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.24		< 0.24	< 0.33	
Tetrachloroethene	0001271	5	0.5										0.74		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.27		< 0.27	< 0.39	
Toluene	0001088	800	160										38.7		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.37		< 0.37	< 0.45	
Total TriMthBenzenes	TOTALT	480	96										< .5		< .5	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< .66		< .66	< 1.1	
Total Xylenes	TOTAL X	2000	400										< .5		< .5	< 1.5		< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.33		< 1.33	< 1.12	
Trichloroethene	0000790	5	0.5										< 0.36		< 0.33	< 0.33		< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.30		< 0.3	< 0.43	
Vinyl Chloride	0000750	0.2	0.02										***2.5***		< 0.18	< 0.18		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.20		< 0.2	< 0.53	
Xylene - M & P	1796012	2000	400										26.9		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.98		< 0.98	< 0.81	
Xylene - O	0000954	2000	400										15.2		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.35		< 0.35	< 0.31	

214 **W-29**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .25		< .2		< .21		< .22		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< .42		< .17		< .25		< .23		< 0.39			< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85	< .34		< .16		< .19		< .21		< 0.28			< 0.16			< 0.24		< 0.24		< 0.24		< 0.31			< 0.44	
1,1-Dichloroethene	0000753	7	0.7	< .43		< .15		< .2		< .21		< 0.43			< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .59		< .23		< .26		< .27		< 0.77			< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< .44		< .3		< .28		< .32		< 2.5			< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	1.1		< .12		< .21		< .2		< 0.42			< 0.26			< 0.26		< 0.26		< 0.26		< 0.25			< 0.42	
1,2-Dichlorobenzene	0000955	600	60	< .32		< .13		< .19		< .16		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5	7.7		< .22		< .24		< .16		< 0.48			< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	
1,2-Dichloropropane	0000788	5	0.5	< .65		< .21		< .2		< .22		< 0.50			< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< .41		< .13		< .19		< .26		< 0.37			< 0.24			< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< .59		< .13		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .38		< .12		< .24		< .18		< 0.57			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .39		< .12		< .25		< .2		< 2.5			< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .38		< .15		< .26		< .2		< 0.48			< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800	< 8		4.6		< 4.2		7		5.1			3.7			< 3.0		< 3.0		< 3.0		< 0.92			< 3	
Benzene	0000714	5	0.5	< .48		< .13		< .26		< .2		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	
Chloroethane	0000750	400	80	< 2.3		< .67		< 2.1		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	
Chloroform	0000676	6	0.6	< .26		< .13		< .23		< .2		< 0.69			< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3	< .46		< .28		< .24		< .23		< 0.39			< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< .49		< .13		< .19		< .29		< 0.40			< 0.16			< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140	< .31		< .12		< .22		< .21		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	
Fluorotrichloromethane	0000756	3490	698	< .42		< .11		< .25		< .32		< 0.48			< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< .49		< .36		< .23		< .45		< 1.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	< 20		< 14		< 6.3		36		< 40.8			64.0			< 24.3		< 24.3		< 24.3		NA			< 33	
Isopropyl ether	0001082	NSE	NSE	< .31		< .2		< .19		< .25		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .35		< .1		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	< 1		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	< .74		< .64		< .31		< .53		< 2.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< .38		< .13		< .19		< .28		< 0.49			< 0.17			< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	
Methylene Chloride	0000750	5	0.5	< .44		< .27		< .4		< .48		< 0.36			< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	
Naphthalene	0000912	100	10	< .63		< .31		< .32		< .41		< 2.5			< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< .45		< .14		< .24		< .18		< 0.40			< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< .33		< .11		< .2		< .19		< 0.40			< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10	< .4		< .11		< .19		< .17		< 0.35			< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5	< .24		< .18		< .15		< .21		< 0.47			< 0.50			< 0.50		< 0.50		< 0.50		< 0.27			< 0.39	
Toluene	0001088	800	160	< .36		< .16		< .23		< .17		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		1.6			< 0.45	
Total TriMthBenzenes	TOTALT	480	96	< .38		< .12		< .24		< .18		< .57			< .5			< 1		< 1		< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400	< .33		< .16		< .22		< .24		< .5			< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	
Trichloroethene	0000790	5	0.5	< .74		< .16		< .25		< .17		< 0.43			< 0.33			< 0.33		< 0.33		< 0.33		< 0.30			< 0.43	
Vinyl Chloride	0000750	0.2	0.02	< .34		< .17		< .15		< .18		< 0.18			< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	
Xylene - M & P	1796012	2000	400	< .56		< .22		< .46		< .33		< 0.82			< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	
Xylene - O	0000954	2000	400	< .33		< .16		< .22		< .24		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	

217 **W-30A**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .13	< .13	< .2		< .21		< .22		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.36		< 0.36	< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5	< .21	< .21	< .17		< .25		< .23		< 0.39			< 0.16			< 0.20		< 0.20		< 0.20	< 0.20	< 0.40		< 0.4	< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85	< .17	< .17	< .16		< .19		< .21		< 0.28			< 0.16			< 0.24		< 0.24		< 0.24	< 0.24	< 0.31		< 0.31	< 0.44	< 0.44
1,1-Dichloroethene	0000753	7	0.7	< .22	< .22	< .15		< .2		< .21		< 0.43			< 0.41			< 0.41		< 0.41		< 0.41	< 0.41	< 0.28		< 0.28	< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3	< .3	< .23		< .26		< .27		< 0.77			< 2.1			< 2.1		< 2.1		< 2.1	< 2.1	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14	< .22	< .22	< .3		< .28		< .32		< 2.5			< 2.2			< 2.2		< 2.2		< 2.2	< 2.2	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7	< .16	< .16	< .12		< .21		< .2		< 0.42			< 0.26			< 0.26		< 0.26		< 0.26	0.39	< 0.25		< 0.25	< 0.42	< 0.42
1,2-Dichlorobenzene	0000955	600	60	< .16	< .16	< .13		< .19		< .16		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.22		< 0.22	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5	< .15	< .15	< .22		< .24		< .16		< 0.48			< 0.17			< 0.17		< 0.17		< 0.17	< 0.17	< 0.17		< 0.17	< 0.44	< 0.44
1,2-Dichloropropane	0000788	5	0.5	< .33	< .33	< .21		< .2		< .22		< 0.50			< 0.23			< 0.23		< 0.23		< 0.23	< 0.23	< 0.25		< 0.25	< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20	< .21	< .21	< .13		< .19		< .26		< 0.37			< 0.24			< 0.26		< 0.26		< 0.26	< 0.26	< 0.28		< 0.28	< 0.48	< 0.48
1,4-Dichlorobenzene	0001064	75	15	< .3	< .3	< .13		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96	< .19	< .19	< .12		< .24		< .18		< 0.57			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.37		< 0.37	< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96	< .19	< .19	< .12		< .25		< .2		< 2.5			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.29		< 0.29	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE	< .19	< .19	< .15		< .26		< .2		< 0.48			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800	< 4	< 4	< 4		< 4.2		< 4.2		< 2.6			< 3.0			< 3.0		< 3.0		< 3.0	< 3.0	1.5		< 0.92	< 3	< 6.2
Benzene	0000714	5	0.5	< .24	< .24	< .13		< .26		< .2		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.30		< 0.3	< 0.46	< 0.46
Chloroethane	0000750	400	80	< 1.1	< 1.1	< .67		< 2.1		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37		< 0.37	< 0.37	< 0.29		< 0.29	< 0.68	< 0.68
Chloroform	0000676	6	0.6	< .13	< .13	< .13		< .23		< .2		< 0.69			< 2.5			< 2.5		< 2.5		< 2.5	< 2.5	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3	< .23	< .23	< .28		< .24		< .23		< 0.39			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200	< .25	< .25	< .13		< .19		< .29		< 0.40			< 0.16			< 0.22		< 0.22		< 0.22	< 0.22	< 0.13		< 0.13	< 0.68	< 0.68
Ethylbenzene	0001004	700	140	< .15	< .15	< .12		< .22		< .21		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.40		< 0.4	< 0.34	< 0.34
Fluorotrichloromethane	0000756	3490	698	< .21	< .21	< .11		< .25		< .32		< 0.48			< 0.17			< 0.18		< 0.18		< 0.18	< 0.18	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE	< .25	< .25	< .36		< .23		< .45		< 1.3			< 2.1			< 2.1		< 2.1		< 2.1	< 2.1	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE	< 10	< 10	< 14		19		20		< 40.8			47.8			< 24.3		< 24.3		< 24.3	< 24.3	NA		< 33	< 33	39
Isopropyl ether	0001082	NSE	NSE	< .16	< .16	< .2		< .19		< .25		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.13		< 0.13	< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE	< .18	< .18	< .1		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14		< 0.14	< 0.14	< 0.31		< 0.31	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800	< .5	< .5	< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0		< 3.0	< 3.0	< 0.58		< 0.58	< 0.52	< 0.52
Methyl Isobutyl Ketone	0001081	500	50	< .37	< .37	< .64		< .31		< .53		< 2.3			< 2.1			< 2.1		< 2.1		< 2.1	< 2.1	< 0.11		< 0.11	< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12	< .19	< .19	< .13		< .19		< .28		< 0.49			< 0.17			< 0.17		< 0.17		< 0.17	< 0.17	< 0.12		< 0.12	< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5	< .22	.23	.41		< .4		< .48		< 0.36			< 0.23			< 0.23		< 0.23		< 0.23	< 0.23	< 0.56		< 0.56	< 0.86	< 0.86
Naphthalene	0000912	100	10	< .32	< .32	< .31		< .32		< .41		< 2.5			< 2.5			< 2.5		< 2.5		< 2.5	< 2.5	< 0.18		< 0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE	< .23	< .23	< .14		< .24		< .18		< 0.40			< 0.22			< 0.50		< 0.50		< 0.50	< 0.50	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE	< .16	< .16	< .11		< .2		< .19		< 0.40			< 0.13			< 0.50		< 0.50		< 0.50	< 0.50	< 0.14		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10	< .2	< .2	< .11		< .19		< .17		< 0.35			< 0.15			< 0.50		< 0.50		< 0.50	< 0.50	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5	< .12	< .12	< .18		< .15		< .21		< 0.47			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.27		< 0.27	< 0.39	< 0.39
Toluene	0001088	800	160	< .18	< .18	< .16		< .23		< .17		< 0.44			< 0.50			< 0.50		< 0.50		0.60	1.1	1.2		3.8	< 0.45	1.2
Total TriMthBenzenes	TOTALT	480	96	< .19	< .19	< .12		< .24		< .18		< .57			< .5			< 1		< 1		< 1	< 1	< .66		< .66	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400	< .17	< .17	< .16		< .22		< .24		< .5			< .5			< 1.5		< 1.5		< 1.5	< 1.5	< 1.33		< 1.33	< 1.12	< 1.12
Trichloroethene	0000790	5	0.5	< .37	< .37	< .16		< .25		< .17		< 0.43			< 0.33			< 0.33		< 0.33		< 0.33	< 0.33	< 0.30		< 0.3	< 0.43	< 0.43
Vinyl Chloride	0000750	0.2	0.02	< .17	< .17	< .17		< .15		< .18		< 0.18			< 0.18			< 0.18		< 0.18		< 0.18	< 0.18	< 0.20		< 0.2	< 0.53	< 0.53
Xylene - M & P	1796012	2000	400	< .28	< .28	< .22		< .46		< .33		< 0.82			< 1.0			< 1.0		< 1.0		< 1.0	< 1.0	< 0.98		< 0.98	< 0.81	< 0.81
Xylene - O	0000954	2000	400	< .17	< .17	< .16		< .22		< .24		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.35		< 0.35	< 0.31	< 0.31

220 **W-30B**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .13	< .13	< .22		< .22		< .22		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.36		< 0.36	< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5	< .21	< .21	< .23		< .23		< .23		< 0.39			< 0.16			< 0.20		< 0.20		< 0.20	< 0.20	< 0.40		< 0.4	< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85	< .17	< .17	< .21		< .21		< .21		< 0.28			< 0.16			< 0.24		< 0.24		< 0.24	< 0.24	< 0.31		< 0.31	< 0.44	< 0.44
1,1-Dichloroethene	0000753	7	0.7	< .22	< .22	< .21		< .21		< .21		< 0.43			< 0.41			< 0.41		< 0.41		< 0.41	< 0.41	< 0.28		< 0.28	< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3	< .3	< .27		< .27		< .27		< 0.77			< 2.1			< 2.1		< 2.1		< 2.1	< 2.1	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14	< .22	< .22	< .32		< .32		< .32		< 2.5			< 2.2			< 2.2		< 2.2		< 2.2	< 2.2	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7	< .16	< .16	< .2		< .2		< .2		< 0.42			< 0.26			< 0.26		< 0.26		< 0.26	< 0.26	< 0.25		< 0.25	< 0.42	< 0.42
1,2-Dichlorobenzene	0000955	600	60	< .16	< .16	< .16		< .16		< .16		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.22		< 0.22	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5	< .15	< .15	< .16		< .16		< .16		< 0.48			< 0.17			< 0.17		< 0.17		< 0.17	< 0.17	< 0.17		< 0.17	< 0.44	< 0.44
1,2-Dichloropropane	0000788	5	0.5	< .33	< .33	< .22		< .22		< .22		< 0.50			< 0.23			< 0.23		< 0.23		< 0.23	< 0.23	< 0.25		< 0.25	< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20	< .21	< .21	< .26		< .26		< .26		< 0.37			< 0.24			< 0.26		< 0.26		< 0.26	< 0.26	< 0.28		< 0.28	< 0.48	< 0.48
1,4-Dichlorobenzene	0001064	75	15	< .3	< .3	< .22		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96	< .19	< .19	< .18		< .18		< .18		< 0.57			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.37		< 0.37	< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96	< .19	< .19	< .2		< .2		< .2		< 2.5			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.29		< 0.29	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE	< .19	< .19	< .2		< .2		< .2		< 0.48			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800	4.9	< 4	< 4.2		< 4.2		< 4.2		< 2.6			< 3.0			< 3.0		< 3.0		< 3.0	< 3.0	< 0.92		< 0.92	< 3	< 6.2
Benzene	0000714	5	0.5	< .24	< .24	< .2		< .2		< .2		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.30		< 0.3	< 0.46	< 0.46
Chloroethane	0000750	400	80	< 1.1	< 1.1	< 1.5		< 1.5		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37		< 0.37	< 0.37	< 0.29		4.6	< 0.68	< 0.68
Chloroform	0000676	6	0.6	< .13	< .13	< .2		< .2		< .2		< 0.69			< 2.5			< 2.5		< 2.5		< 2.5	< 2.5	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3	< .23	< .23	< .23		< .23		< .23		< 0.39			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200	< .25	< .25	< .29		< .29		< .29		< 0.40			< 0.16			< 0.22		< 0.22		< 0.22	< 0.22	< 0.13		< 0.13	< 0.68	< 0.68
Ethylbenzene	0001004	700	140	< .15	< .15	< .21		< .21		< .21		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.40		< 0.4	< 0.34	< 0.34
Fluorotrichloromethane	0000756	3490	698	< .21	< .21	< .32		< .32		< .32		< 0.48			< 0.17			< 0.18		< 0.18		< 0.18	< 0.18	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE	< .25	< .25	< .45		< .45		< .45		< 1.3			< 2.1			< 2.1		< 2.1		< 2.1	< 2.1	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE	14	< 10	< 8.3		< 8.3		< 8.3		< 40.8			25.1			< 24.3		< 24.3		< 24.3	< 24.3	NA		< 33	< 33	39
Isopropyl ether	0001082	NSE	NSE	< .16	< .16	< .25		< .25		< .25		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.13		< 0.13	< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE	< .18	< .18	< .22		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14		< 0.14	< 0.14	< 0.31		< 0.31	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800	1.8	< .5	< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0		< 3.0	< 3.0	< 0.58		< 0.58	< 0.52	< 0.52
Methyl Isobutyl Ketone	0001081	500	50	< .37	< .37	< .53		< .53		< .53		< 2.3			< 2.1			< 2.1		< 2.1		< 2.1	< 2.1	< 0.11		< 0.11	< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12	< .19	< .19	< .28		< .28		< .28		< 0.49			< 0.17			< 0.17		< 0.17		< 0.17	< 0.17	< 0.12		< 0.12	< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5	< .22	1	< .48		< .48		< .48		< 0.36			< 0.23			< 0.23		< 0.23		< 0.23	< 0.23	< 0.56		< 0.56	< 0.86	< 0.86
Naphthalene	0000912	100	10	< .32	< .32	< .41		< .41		< .41		< 2.5			< 2.5			< 2.5		< 2.5		< 2.5	< 2.5	< 0.18		< 0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE	< .23	< .23	< .18		< .18		< .18		< 0.40			< 0.22			< 0.50		< 0.50		< 0.50	< 0.50	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE	< .16	< .16	< .19		< .19		< .19		< 0.40			< 0.13			< 0.50		< 0.50		< 0.50	< 0.50	< 0.14		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10	< .2	< .2	< .17		< .17		< .17		< 0.35			< 0.15			< 0.50		< 0.50		< 0.50	< 0.50	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5	< .12	< .12	< .21		< .21		< .21		< 0.47			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.27		< 0.27	< 0.39	< 0.39
Toluene	0001088	800	160	< .18	< .18	< .17		.18		< .17		< 0.44			< 0.50			< 0.50		< 0.50		1.4	0.92	0.94		4.7	< 0.45	0.58
Total TriMthBenzenes	TOTALT	480	96	< .19	< .19	< .18		< .18		< .18		< .57			< .5			< 1		< 1		< 1	< 1	< .66		< .66	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400	< .17	< .17	< .24		< .24		< .24		< .5			< .5			< 1.5		< 1.5		< 1.5	< 1.5	< 1.33		< 1.33	< 1.12	< 1.12
Trichloroethene	0000790	5	0.5	< .37	< .37	< .17		< .17		< .17		< 0.43			< 0.33			< 0.33		< 0.33		< 0.33	< 0.33	< 0.30		< 0.3	< 0.43	< 0.43
Vinyl Chloride	0000750	0.2	0.02	< .17	< .17	< .18		< .18		< .18		< 0.18			< 0.18			< 0.18		< 0.18		< 0.18	< 0.18	< 0.20		< 0.2	< 0.53	< 0.53
Xylene - M & P	1796012	2000	400	< .28	< .28	< .33		< .33		< .33		< 0.82			< 1.0			< 1.0		< 1.0		< 1.0	< 1.0	< 0.98		< 0.98	< 0.81	< 0.81
Xylene - O	0000954	2000	400	< .17	< .17	< .24		< .24		< .24		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50	< 0.50	< 0.35		< 0.35	< 0.31	< 0.31

223 **W-31A**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40														***1790***	< 125	< 250	< 200	< 200	< 500	< 250	25		< 0.36	< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5														< 389	< 49.3	< 98.7	< 79.0	< 79.0	< 197	< 98.7	< 0.40		< 0.4	< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85														< 604	***1060***	***998***	< 96.6	232	< 242	< 121	41		< 0.31	59	7
1,1-Dichloroethene	0000753	7	0.7														< 1030	< 103	< 205	< 164	< 164	< 410	< 205	2.2		< 0.28	< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE														< 5330	< 533	< 1070	< 853	< 853	< 2130	< 1070	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14														< 5520	< 552	< 1100	< 884	< 884	< 2210	< 1100	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7														***3580***	***2040***	***948***	< 102	***317***	< 256	***160***	43		< 0.25	< 0.42	3
1,2-Dichlorobenzene	0000955	600	60														< 1250	< 125	< 250	< 200	< 200	< 500	< 250	1.6		< 0.22	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5														< 419	< 42.0	< 84.0	***135***	***147***	***340***	***280***	***92***		< 0.17	***44***	***5.4***
1,2-Dichloropropane	0000788	5	0.5														< 583	< 58.3	< 117	< 93.2	< 93.2	< 233	< 117	***11***		< 0.25	< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20														< 641	< 64.1	< 128	< 103	< 103	< 257	< 128	5.3		< 0.28	< 0.48	< 0.48
1,4-Dichlorobenzene	0001064	75	15														< 1250	< 125	< 250	< 200	< 200	< 500	< 250	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96														< 1250	< 125	< 250	< 200	< 200	< 500	< 250	49		< 0.37	11	4.5
135TRIMTHLBENZEN	0001086	480	96														< 1250	< 125	< 250	< 200	< 200	< 500	< 250	12		< 0.29	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE														< 1250	< 125	< 250	< 200	< 200	< 500	< 250	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800														***246000***	***204000***	***87700***	***61800***	***86300***	***170000***	***138000***	< 0.92		2400	5800	79
Benzene	0000714	5	0.5														< 1250	< 125	< 250	< 200	< 200	< 500	< 250	***24***		< 0.3	***13***	3.1
Chloroethane	0000750	400	80														< 936	< 93.6	***680***	***1850***	***943***	***2320***	***2400***	< 0.29		< 0.29	220	47
Chloroform	0000676	6	0.6														< 6250	< 625	< 1250	< 1000	< 1000	< 2500	< 1250	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3														< 1250	< 125	< 250	< 200	< 200	< 500	< 250	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200														< 506	< 56.0	< 112	< 89.7	< 89.7	< 224	< 112	0.32		< 0.13	< 0.68	< 0.68
Ethylbenzene	0001004	700	140														***1700***	***803***	***1450***	***1320***	***986***	***1680***	***2260***	640		< 0.4	270	73
Fluorotrichloromethane	0000756	3490	698														< 431	< 46.2	< 92.5	< 74.0	< 74.0	< 185	< 92.5	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE														< 5260	< 526	< 1050	< 842	< 842	< 2110	< 1050	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE														< 60900	38100	< 12200	85200	122000	210000	164000	NA		< 33	8100	< 33
Isopropyl ether	0001082	NSE	NSE														< 1250	< 125	< 250	< 200	< 200	< 500	< 250	< 0.13		< 0.13	< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE														< 358	< 35.8	< 71.7	< 57.3	< 57.3	< 143	< 71.7	6.3		< 0.31	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800														***26800***	***19400***	***14600***	***26200***	***29600***	***44600***	***60600***	< 0.58		< 0.58	1900	40
Methyl Isobutyl Ketone	0001081	500	50														***11400***	***13100***	***7760***	***7540***	***10900***	***16900***	***10400***	***3000***		340	***2000***	24
Methyl tert-butyl Ether	0016340	60	12														< 436	< 43.6	< 87.1	< 69.7	< 69.7	< 174	< 87.1	4.6		< 0.12	< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5														***986***	< 58.1	< 116	< 93.0	***265***	***537***	***744***	***81***		< 0.56	***29***	< 0.86
Naphthalene	0000912	100	10														< 6250	< 625	< 1250	< 1000	< 1000	< 2500	< 1250	5.7		< 0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE														< 1250	< 125	< 250	< 200	< 200	< 500	< 250	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE														< 1250	< 125	< 250	< 200	< 200	< 500	< 250	0.61		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10														< 1250	< 125	< 250	< 200	< 200	< 500	< 250	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5														< 1250	< 125	< 250	< 200	< 200	< 500	< 250	***23***		< 0.27	< 0.39	< 0.39
Toluene	0001088	800	160														***50400***	***23800***	***37300***	***33900***	***22800***	***37400***	***50600***	***9500***		***3200***	***3800***	790
Total TriMthBenzenes	TOTALT	480	96														< 2500	< 250	< 500	< 400	< 400	< 1000	< 500	61		< .66	11	4.5
Total Xylenes	TOTAL X	2000	400														***4100***	***3483***	***5890***	***5070***	***3582***	***6180***	***7850***	***2370***		510	950	216
Trichloroethene	0000790	5	0.5														< 827	< 82.7	< 165	< 132	< 132	< 331	< 165	***49***		< 0.3	< 0.43	< 0.43
Vinyl Chloride	0000750	0.2	0.02														< 439	***160***	< 87.8	< 70.2	< 70.2	< 176	< 87.8	***11***		< 0.2	***11***	< 0.53
Xylene - M & P	1796012	2000	400														***4100***	***2580***	***4440***	***3880***	***2700***	***4700***	***6040***	1800		510	710	170
Xylene - O	0000954	2000	400														< 1250	903	1450	1190	882	1480	1810	570		< 0.35	240	46

226 **W-31B**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40														2.6	1.3	0.72	< 0.50	< 5.0	10.1	< 2.0	6.6		< 0.36	< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5														< 0.78	< 0.20	< 0.20	< 0.20	< 2.0	< 0.79	< 0.79	< 0.40		< 0.4	< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85														12.9	9.6	4.0	1.7	4.2	1.9	1.0	0.62		< 0.31	< 0.44	< 0.44
1,1-Dichloroethene	0000753	7	0.7														< 2.1	< 0.41	< 0.41	< 0.41	< 4.1	< 1.6	< 1.6	< 0.28		< 0.28	< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE														< 10.7	< 2.1	< 2.1	< 2.1	< 21.3	< 8.5	< 8.5	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14														< 11.0	< 2.2	< 2.2	< 2.2	< 22.1	< 8.8	< 8.8	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7														2.0	3.9	0.39	< 0.26	5.0	3.4	3.4	2.6		< 0.25	< 0.42	1.1
1,2-Dichlorobenzene	0000955	600	60														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0	< 2.0	< 2.0	< 0.22		< 0.22	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5														1.3	0.63	< 0.17	< 0.17	< 1.7	1.4	< 0.67	< 0.17		< 0.17	< 0.44	< 0.44
1,2-Dichloropropane	0000788	5	0.5														< 1.2	< 0.23	< 0.23	< 0.23	< 2.3	< 0.93	< 0.93	< 0.25		< 0.25	< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20														< 1.3	< 0.26	< 0.26	< 0.26	< 2.6	< 1.0	< 1.0	< 0.28		< 0.28	< 0.48	< 0.48
1,4-Dichlorobenzene	0001064	75	15														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0	< 2.0	< 2.0	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0	< 2.0	< 2.0	< 0.37		< 0.37	< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0	< 2.0	< 2.0	< 0.29		< 0.29	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0	< 2.0	< 2.0	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800														548	10.6	13.8	5.7	< 29.5	40.7	17.9	< 0.92		< 0.92	< 1.1	< 6.2
Benzene	0000714	5	0.5														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0	< 2.0	< 2.0	< 0.30		< 0.3	< 0.46	< 0.46
Chloroethane	0000750	400	80														< 1.9	< 0.37	< 0.37	1.6	7.6	7.4	1.5	< 0.29		< 0.29	< 0.68	< 0.68
Chloroform	0000676	6	0.6														< 12.5	< 2.5	< 2.5	< 2.5	< 25.0	< 10.0	< 10.0	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0	< 2.0	< 2.0	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200														< 1.0	< 0.22	< 0.22	0.28	< 2.2	< 0.90	< 0.90	< 0.13		< 0.13	< 0.68	< 0.68
Ethylbenzene	0001004	700	140														5.5	5.4	< 0.50	< 0.50	19.1	23.5	12.9	< 0.40		1	< 0.34	< 0.34
Fluorotrichloromethane	0000756	3490	698														< 0.86	< 0.18	< 0.18	< 0.18	< 1.8	< 0.74	< 0.74	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE														< 10.5	< 2.1	< 2.1	< 2.1	< 21.1	< 8.4	< 8.4	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE														704	29.6	< 24.3	< 24.3	< 243	< 97.4	< 97.4	NA		< 33	< 33	< 33
Isopropyl ether	0001082	NSE	NSE														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0	< 2.0	< 2.0	< 0.13		< 0.13	< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE														< 0.72	< 0.14	< 0.14	< 0.14	< 1.4	< 0.57	< 0.57	< 0.31		< 0.31	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800														270	< 3.0	3.5	< 3.0	< 29.8	20.2	< 11.9	< 0.58		< 0.58	< 0.52	< 0.52
Methyl Isobutyl Ketone	0001081	500	50														< 10.7	< 2.1	< 2.1	< 2.1	< 21.4	21.5	< 8.6	< 0.11		< 0.11	< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12														< 0.87	< 0.17	< 0.17	< 0.17	< 1.7	< 0.70	< 0.70	< 0.12		< 0.12	< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5														< 1.2	< 0.23	< 0.23	< 0.23	3.9	1.8	< 0.93	< 0.56		< 0.56	< 0.86	< 0.86
Naphthalene	0000912	100	10														< 12.5	< 2.5	< 2.5	< 2.5	< 25.0	< 10.0	< 10.0	< 0.18		< 0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0	< 2.0	< 2.0	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0	< 2.0	< 2.0	< 0.14		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0	< 2.0	< 2.0	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5														***7.3***	***8.1***	***10.2***	***9.1***	< 5.0	***17.0***	4.3	***10***		1.2	0.58	< 0.39
Toluene	0001088	800	160														150	131	3.7	< 0.50	432	560	274	1.6		17	< 0.45	1.6
Total TriMthBenzenes	TOTALT	480	96														< 5	< 1	< 1	< 1	< 10	< 4	< 4	< .66		< .66	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400														17.5	22.2	< 1.5	< 1.5	60.2	42.9	43.5	1.56		< 1.33	< 1.12	< 1.12
Trichloroethene	0000790	5	0.5														< 1.7	< 0.33	< 0.33	< 0.33	< 3.3	***16.5***	2.6	***15***		< 0.3	< 0.43	< 0.43
Vinyl Chloride	0000750	0.2	0.02														< 0.88	< 0.18	< 0.18	< 0.18	< 1.8	< 0.70	< 0.70	< 0.20		< 0.2	< 0.53	< 0.53
Xylene - M & P	1796012	2000	400														14.1	16.3	< 1.0	< 1.0	45.1	28.5	33.4	1.0		< 0.98	< 0.81	< 0.81
Xylene - O	0000954	2000	400														3.4	5.9	< 0.50	< 0.50	15.1	14.4	10.1	0.56		< 0.35	< 0.31	< 0.31

228 **W-32**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40																		***8880***	***7780***	***5430***	***9100***	***6980***		***8600***	***2100***
1,1,2-Trichloroethane	0000790	5	0.5																		***26.7***	***21.1***	< 19.7	< 0.40	< 55.2		< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85																		141	127	92.6	140	98.0		160	33
1,1-Dichloroethene	0000753	7	0.7																		***373***	***359***	***241***	***480***	***317***		***450***	***75***
1,2,3-Trichlorobenzene	0000876	NSE	NSE																		< 107	< 213	< 213	< 0.17	< 62.6		< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14																		< 110	< 221	< 221	< 0.21	< 95.1		< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7																		***362***	***366***	***323***	***230***	***262***		***350***	***180***
1,2-Dichlorobenzene	0000955	600	60																		< 25.0	< 50.0	< 50.0	< 0.22	< 70.5		< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5																		< 8.4	< 16.8	< 16.8	< 0.17	< 28.0		< 0.44	< 0.44
1,2-Dichloropropane	0000788	5	0.5																		< 11.7	< 23.3	< 23.3	< 0.25	< 28.3		< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20																		< 12.8	< 25.7	< 25.7	< 0.28	< 109		< 0.48	< 0.48
1,4-Dichlorobenzene	0001064	75	15																		< 25.0	< 50.0	< 50.0	< 0.21	< 94.4		< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96																		< 25.0	< 50.0	< 50.0	< 0.37	< 84.1		< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96																		< 25.0	< 50.0	< 50.0	< 0.29	< 87.3		< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE																		< 25.0	< 50.0	< 50.0	< 0.32	< 92.6		< 0.36	< 0.36
Acetone	0000676	9000	1800																		< 148	< 295	< 295	610	< 274		< 1.1	< 6.2
Benzene	0000714	5	0.5																		< 25.0	< 50.0	< 50.0	< 0.30	< 24.6		< 0.46	< 0.46
Chloroethane	0000750	400	80																		< 18.7	< 37.5	< 37.5	< 0.29	< 134		< 0.68	< 0.68
Chloroform	0000676	6	0.6																		< 125	< 250	< 250	< 0.26	< 127		***24***	< 0.46
Chloromethane	0000748	30	3																		< 25.0	< 50.0	< 50.0	< 0.17	< 219		< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200																		< 11.2	< 22.4	< 22.4	< 0.13	< 50.0		< 0.68	< 0.68
Ethylbenzene	0001004	700	140																		< 25.0	< 50.0	< 50.0	32	< 21.8		< 0.34	< 0.34
Fluorotrichloromethane	0000756	3490	698																		< 9.2	< 18.5	< 18.5	< 0.20	< 21.5		< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE																		< 105	< 211	< 211	< 0.24	< 118		< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE																		< 1220	< 2430	< 2430	NA	< 2890		< 33	< 33
Isopropyl ether	0001082	NSE	NSE																		< 25.0	< 50.0	< 50.0	< 0.13	< 189		< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE																		< 7.2	< 14.3	< 14.3	< 0.31	< 39.3		< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800																		< 149	< 298	< 298	150	< 294		< 0.52	5.4
Methyl Isobutyl Ketone	0001081	500	50																		< 107	< 214	< 214	< 0.11	< 153		< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12																		< 8.7	< 17.4	< 17.4	< 0.12	< 125		< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5																		< 11.6	< 23.3	< 23.3	< 0.56	***61.2***		< 0.86	< 0.86
Naphthalene	0000912	100	10																		< 125	< 250	< 250	< 0.18	< 118		< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE																		< 25.0	< 50.0	< 50.0	< 0.22	< 70.8		< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE																		< 25.0	< 50.0	< 50.0	< 0.14	< 80.0		< 0.26	< 0.26
Styrene	0001004	100	10																		< 25.0	< 50.0	< 50.0	< 0.24	< 46.5		< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5																		***4500***	***4380***	***3330***	***3900***	***4130***		***4300***	***2800***
Toluene	0001088	800	160																		< 25.0	< 50.0	< 50.0	140	< 17.2		< 0.45	< 0.45
Total TriMthBenzenes	TOTALT	480	96																		< 50	< 100	< 100	< .66	< 171.4		< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400																		< 75	< 150	< 150	137	< 72.7		< 1.12	< 1.12
Trichloroethene	0000790	5	0.5																		***7360***	***6480***	***5650***	***8300***	***6700***		***7600***	***2300***
Vinyl Chloride	0000750	0.2	0.02																		< 8.8	< 17.6	< 17.6	< 0.20	< 17.5		< 0.53	< 0.53
Xylene - M & P	1796012	2000	400																		< 50.0	< 100	< 100	100	< 46.5		< 0.81	< 0.81
Xylene - O	0000954	2000	400																		< 25.0	< 50.0	< 50.0	37	< 26.2		< 0.31	< 0.31

233 **W-33**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40																		***3780***	***4330***	***2230***	***2000***	***2590***			***2500***
1,1,2-Trichloroethane	0000790	5	0.5																		***23.2***	***34.8***	< 24.7	***18***	< 69.0			***23***
1,1-Dichloroethane	0000753	850	85																		***3420***	***3110***	***2280***	***2000***	***2270***			***2100***
1,1-Dichloroethene	0000753	7	0.7																		***92.0***	***78.2***	***100***	***61***	***87.1***			***70***
1,2,3-Trichlorobenzene	0000876	NSE	NSE																		< 107	< 267	< 267	< 0.17	< 78.2			< 0.42
1,2,4-Trichlorobenzene	0001208	70	14																		< 110	< 276	< 276	< 0.21	< 119			< 0.45
1,2-cis-Dichloroethene	0001565	70	7																		***13600***	***8800***	***8640***	***8900***	***9810***			***4500***
1,2-Dichlorobenzene	0000955	600	60																		< 25.0	< 62.5	< 62.5	12	< 88.2			< 0.32
1,2-Dichloroethane	0001070	5	0.5																		***22.2***	***21.3***	< 21.0	***16***	< 35.0			***12***
1,2-Dichloropropane	0000788	5	0.5																		< 11.7	< 29.1	< 29.1	***15***	< 35.3			***14***
1,2-trans-Dichloroethene	0001566	100	20																		48.2	39.6	39.2	99	< 136			30
1,4-Dichlorobenzene	0001064	75	15																		< 25.0	< 62.5	< 62.5	2.2	< 118			< 0.35
124TRIMTHLBENZEN	0000956	480	96																		< 25.0	< 62.5	< 62.5	81	< 105			8.5
135TRIMTHLBENZEN	0001086	480	96																		< 25.0	< 62.5	< 62.5	21	< 109			< 0.65
2-Chlorotoluene	0000954	NSE	NSE																		< 25.0	< 62.5	< 62.5	< 0.32	< 116			< 0.36
Acetone	0000676	9000	1800																		< 148	< 369	< 369	40	< 343			< 6.2
Benzene	0000714	5	0.5																		< 25.0	< 62.5	< 62.5	3.7	< 30.8			5
Chloroethane	0000750	400	80																		235	180	< 46.8	< 0.29	198			310
Chloroform	0000676	6	0.6																		< 125	< 312	< 312	***16***	< 159			***19***
Chloromethane	0000748	30	3																		< 25.0	< 62.5	< 62.5	0.40	< 274			< 0.83
Dichlorodifluoromethan	0000757	1000	200																		< 11.2	< 28.0	< 28.0	1.9	< 62.4			< 0.68
Ethylbenzene	0001004	700	140																		< 25.0	< 62.5	< 62.5	98	100			6.8
Fluorotrichloromethane	0000756	3490	698																		< 9.2	< 23.1	< 23.1	< 0.20	< 26.9			< 0.52
Hexachlorobutadiene	0000876	NSE	NSE																		< 105	< 263	< 263	< 0.24	< 148			< 0.56
Isopropyl Alcohol	0000676	NSE	NSE																		< 1220	< 3040	< 3040	NA	< 3610			< 33
Isopropyl ether	0001082	NSE	NSE																		< 25.0	< 62.5	< 62.5	< 0.13	< 236			< 0.41
Isopropylbenzene	0000988	NSE	NSE																		< 7.2	< 17.9	< 17.9	6.5	< 49.1			< 0.35
Methyl Ethyl Ketone	0000789	4000	800																		< 149	< 372	< 372	< 0.58	< 367			13
Methyl Isobutyl Ketone	0001081	500	50																		< 107	< 268	< 268	51	< 191			< 0.52
Methyl tert-butyl Ether	0016340	60	12																		< 8.7	< 21.8	< 21.8	2.6	< 156			< 0.45
Methylene Chloride	0000750	5	0.5																		***106***	***52.9***	< 29.1	***220***	***297***			***33***
Naphthalene	0000912	100	10																		< 125	< 312	< 312	10	< 147			< 0.77
n-Butylbenzene	0001045	NSE	NSE																		< 25.0	< 62.5	< 62.5	< 0.22	< 88.5			< 0.34
p-Isopropyltoluene	0000998	NSE	NSE																		< 25.0	< 62.5	< 62.5	1.7	< 100			< 0.26
Styrene	0001004	100	10																		< 25.0	< 62.5	< 62.5	< 0.24	< 58.2			< 0.33
Tetrachloroethene	0001271	5	0.5																		***240***	***214***	< 62.5	***280***	***293***			***190***
Toluene	0001088	800	160																		213	< 62.5	< 62.5	160	120			6.5
Total TriMthBenzenes	TOTALT	480	96																		< 50	< 125	< 125	102	< 214			8.5
Total Xylenes	TOTAL X	2000	400																		< 75	< 187.5	< 187.5	490	440			35
Trichloroethene	0000790	5	0.5																		***240***	***215***	***62.1***	***260***	***212***			***120***
Vinyl Chloride	0000750	0.2	0.02																		***116***	***88.9***	***221***	***160***	***212***			***66***
Xylene - M & P	1796012	2000	400																		< 50.0	< 125	< 125	280	231			19
Xylene - O	0000954	2000	400																		45.4	< 62.5	98.2	210	209			16

235 **W-34**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40																				***28300***	***31000***	***2830***		***9600***	***3900***
1,1,2-Trichloroethane	0000790	5	0.5																				***1140***	***870***	***588***		***600***	***600***
1,1-Dichloroethane	0000753	850	85																				***1420***	***1200***	***1720***		810	***1100***
1,1-Dichloroethene	0000753	7	0.7																				***2150***	***1900***	***1190***		***820***	***430***
1,2,3-Trichlorobenzene	0000876	NSE	NSE																				< 267	< 0.17	< 78.2		< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14																				< 276	< 0.21	< 119		< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7																				***28900***	***7800***	***32400***		***27000***	***17000***
1,2-Dichlorobenzene	0000955	600	60																				83.8	48	< 88.2		4.4	< 0.32
1,2-Dichloroethane	0001070	5	0.5																				***134***	***140***	***102***		***63***	***72***
1,2-Dichloropropane	0000788	5	0.5																				***413***	***340***	***207***		***180***	***140***
1,2-trans-Dichloroethene	0001566	100	20																				< 32.1	< 0.28	< 136		***310***	< 0.48
1,4-Dichlorobenzene	0001064	75	15																				< 62.5	< 0.21	< 118		< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96																				< 62.5	< 0.37	< 105		< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96																				< 62.5	< 0.29	< 109		< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE																				< 62.5	< 0.32	< 116		< 0.36	< 0.36
Acetone	0000676	9000	1800																				< 369	< 0.92	< 343		< 1.1	< 6.2
Benzene	0000714	5	0.5																				< 62.5	< 0.30	< 30.8		***5.7***	< 0.46
Chloroethane	0000750	400	80																				< 46.8	< 0.29	< 168		6.9	< 0.68
Chloroform	0000676	6	0.6																				< 312	***96***	< 159		***43***	***32***
Chloromethane	0000748	30	3																				< 62.5	< 0.17	< 274		< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200																				< 28.0	< 0.13	< 62.4		< 0.68	< 0.68
Ethylbenzene	0001004	700	140																				< 62.5	110	< 27.3		68	34
Fluorotrichloromethane	0000756	3490	698																				< 23.1	< 0.20	< 26.9		< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE																				< 263	< 0.24	< 148		< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE																				< 3040	NA	< 3610		< 33	< 33
Isopropyl ether	0001082	NSE	NSE																				< 62.5	< 0.13	< 236		< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE																				< 17.9	< 0.31	< 49.1		< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800																				< 372	< 0.58	< 367		< 0.52	< 0.52
Methyl Isobutyl Ketone	0001081	500	50																				< 268	68	< 191		59	45
Methyl tert-butyl Ether	0016340	60	12																				< 21.8	< 0.12	< 156		< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5																				***1640***	***3300***	***1080***		***230***	***350***
Naphthalene	0000912	100	10																				< 312	< 0.18	< 147		< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE																				< 62.5	< 0.22	< 88.5		< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE																				< 62.5	< 0.14	< 100		< 0.26	< 0.26
Styrene	0001004	100	10																				< 62.5	< 0.24	< 58.2		< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5																				***5440***	***9800***	< 40.8		***520***	< 0.39
Toluene	0001088	800	160																				213	800	82.3		32	48
Total TriMthBenzenes	TOTALT	480	96																				< 125	< .66	< 214		< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400																				< 187.5	640	< 90.9		283	136
Trichloroethene	0000790	5	0.5																				***24900***	***39000***	***110***		***800***	< 0.43
Vinyl Chloride	0000750	0.2	0.02																				< 21.9	< 0.20	***66.6***		***3800***	***4800***
Xylene - M & P	1796012	2000	400																				< 125	390	< 58.2		190	94
Xylene - O	0000954	2000	400																				105	250	< 32.7		93	42

236 **W-35**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40																							***300***	200	71
1,1,2-Trichloroethane	0000790	5	0.5																							< 0.4	< 0.46	4
1,1-Dichloroethane	0000753	850	85																							43	32	71
1,1-Dichloroethene	0000753	7	0.7																							***10***	***8.2***	6.5
1,2,3-Trichlorobenzene	0000876	NSE	NSE																							< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14																							< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7																							***260***	***200***	***670***
1,2-Dichlorobenzene	0000955	600	60																							< 0.22	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5																							< 0.17	0.53	< 0.44
1,2-Dichloropropane	0000788	5	0.5																							< 0.25	0.81	< 0.48
1,2-trans-Dichloroethene	0001566	100	20																							< 0.28	3.7	3
1,4-Dichlorobenzene	0001064	75	15																							< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96																							< 0.37	< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96																							< 0.29	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE																							< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800																							19	4.6	67
Benzene	0000714	5	0.5																							< 0.3	< 0.46	< 0.46
Chloroethane	0000750	400	80																							< 0.29	< 0.68	< 0.68
Chloroform	0000676	6	0.6																							< 0.26	3.9	5.7
Chloromethane	0000748	30	3																							11	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200																							< 0.13	< 0.68	< 0.68
Ethylbenzene	0001004	700	140																							< 0.4	0.38	< 0.34
Fluorotrichloromethane	0000756	3490	698																							< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE																							< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE																							< 33	< 33	340
Isopropyl ether	0001082	NSE	NSE																							< 0.13	< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE																							< 0.31	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800																							< 0.58	6.2	< 0.52
Methyl Isobutyl Ketone	0001081	500	50																							< 0.11	< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12																							< 0.12	11	< 0.45
Methylene Chloride	0000750	5	0.5																							< 0.56	2.5	< 0.86
Naphthalene	0000912	100	10																							< 0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE																							< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE																							< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10																							< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5																							***490***	***380***	***9.4***
Toluene	0001088	800	160																							< 0.37	5.3	< 0.45
Total TriMthBenzenes	TOTALT	480	96																							< .66	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400																							< 1.33	1.27	< 1.12
Trichloroethene	0000790	5	0.5																							***240***	***190***	***31***
Vinyl Chloride	0000750	0.2	0.02																							< 0.2	< 0.53	***3.6***
Xylene - M & P	1796012	2000	400																							< 0.98	0.95	< 0.81
Xylene - O	0000954	2000	400																							< 0.35	0.32	< 0.31

318 **MW-104**

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40																								< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5																								< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85																								< 0.44	0.48
1,1-Dichloroethene	0000753	7	0.7																								< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE																								< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14																								< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7																								< 0.42	2.3
1,2-Dichlorobenzene	0000955	600	60																								< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5																								< 0.44	< 0.44
1,2-Dichloropropane	0000788	5	0.5																								< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20																								< 0.48	< 0.48
1,4-Dichlorobenzene	0001064	75	15																								< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96																								< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96																								< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE																								< 0.36	< 0.36
Acetone	0000676	9000	1800																								16	< 6.2
Benzene	0000714	5	0.5																								< 0.46	< 0.46
Chloroethane	0000750	400	80																								< 0.68	1.4
Chloroform	0000676	6	0.6																								< 0.46	< 0.46
Chloromethane	0000748	30	3																								< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200																								< 0.68	< 0.68
Ethylbenzene	0001004	700	140																								< 0.34	< 0.34
Fluorotrichloromethane	0000756	3490	698																								< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE																								< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE																								< 100	< 33
Isopropyl ether	0001082	NSE	NSE																								< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE																								< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800																								1.9	< 0.52
Methyl Isobutyl Ketone	0001081	500	50																								< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12																								< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5																								5	< 0.86
Naphthalene	0000912	100	10																								< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE																								< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE																								< 0.26	< 0.26
Styrene	0001004	100	10																								< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5																								< 0.39	< 0.39
Toluene	0001088	800	160																								< 0.45	1.8
Total TriMthBenzenes	TOTALT	480	96			< .12																					< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400			< .16																					< 1.12	< 1.12
Trichloroethene	0000790	5	0.5																								< 0.43	< 0.43
Vinyl Chloride	0000750	0.2	0.02																								< 0.53	< 0.53
Xylene - M & P	1796012	2000	400																								< 0.81	< 0.81
Xylene - O	0000954	2000	400																								< 0.31	< 0.31

321 **MW-104A**

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
RESULTS MONTH/YEAR																												
1,1,1-Trichloroethane	0000715	200	40																								< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5																								< 0.46	
1,1-Dichloroethane	0000753	850	85																								< 0.44	
1,1-Dichloroethene	0000753	7	0.7																								< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE																								< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14																								< 0.45	
1,2-cis-Dichloroethene	0001565	70	7																								< 0.42	
1,2-Dichlorobenzene	0000955	600	60																								< 0.32	
1,2-Dichloroethane	0001070	5	0.5																								< 0.44	
1,2-Dichloropropane	0000788	5	0.5																								< 0.48	
1,2-trans-Dichloroethene	0001566	100	20																								< 0.48	
1,4-Dichlorobenzene	0001064	75	15																								< 0.35	
124TRIMTHLBENZEN	0000956	480	96																								< 0.45	
135TRIMTHLBENZEN	0001086	480	96																								< 0.65	
2-Chlorotoluene	0000954	NSE	NSE																								< 0.36	
Acetone	0000676	9000	1800																								< 3	
Benzene	0000714	5	0.5																								< 0.46	
Chloroethane	0000750	400	80																								< 0.68	
Chloroform	0000676	6	0.6																								< 0.46	
Chloromethane	0000748	30	3																								< 0.83	
Dichlorodifluoromethan	0000757	1000	200																								< 0.68	
Ethylbenzene	0001004	700	140																								< 0.34	
Fluorotrichloromethane	0000756	3490	698																								< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE																								< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE																								< 100	
Isopropyl ether	0001082	NSE	NSE																								< 0.41	
Isopropylbenzene	0000988	NSE	NSE																								< 0.35	
Methyl Ethyl Ketone	0000789	4000	800																								< 0.52	
Methyl Isobutyl Ketone	0001081	500	50																								< 0.52	
Methyl tert-butyl Ether	0016340	60	12																								< 0.45	
Methylene Chloride	0000750	5	0.5																								< 0.86	
Naphthalene	0000912	100	10																								< 0.77	
n-Butylbenzene	0001045	NSE	NSE																								< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE																								< 0.26	
Styrene	0001004	100	10																								< 0.33	
Tetrachloroethene	0001271	5	0.5																								< 0.39	
Toluene	0001088	800	160																								< 0.45	
Total TriMthBenzenes	TOTALT	480	96			< .12																					< 1.1	
Total Xylenes	TOTAL X	2000	400																								< 1.12	
Trichloroethene	0000790	5	0.5																								< 0.43	
Vinyl Chloride	0000750	0.2	0.02																								< 0.53	
Xylene - M & P	1796012	2000	400																								< 0.81	
Xylene - O	0000954	2000	400																								< 0.31	

330 **MW-106**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .13		< .22		< .21		< .22		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .23		< .25		< .23		< 0.39			< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85	< .17		< .21		< .19		< .21		< 0.28			< 0.16			< 0.24		< 0.24		< 0.24		< 0.31			< 0.44	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .21		< .2		< .21		< 0.43			< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .27		< .26		< .27		< 0.77			< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .32		< .28		< .32		< 2.5			< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .2		< .21		< .2		< 0.42			< 0.26			< 0.26		< 0.26		< 0.26		< 0.25			< 0.42	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .16		< .19		< .16		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .16		< .24		< .16		< 0.48			< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .22		< .2		< .22		< 0.50			< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .26		< .19		< .26		< 0.37			< 0.24			< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .22		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .18		< .24		< .18		< 0.57			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .2		< .25		< .2		< 2.5			< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .2		< .26		< .2		< 0.48			< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800	4.9		< 4.2		< 4.2		< 4.2		< 2.6			< 3.0			4.7		< 3.0		< 3.0		1.2			< 1.1	
Benzene	0000714	5	0.5	< .24		< .2		< .26		< .2		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	
Chloroethane	0000750	400	80	< 1.1		< 1.5		< 2.1		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	
Chloroform	0000676	6	0.6	< .13		< .2		< .23		< .2		< 0.69			< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3	< .23		< .23		< .24		< .23		< 0.39			< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .29		< .19		< .29		< 0.40			< 0.16			< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140	< .15		< .21		< .22		< .21		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	
Fluorotrichloromethane	0000756	3490	698	< .21		< .32		< .25		< .32		< 0.48			< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .45		< .23		< .45		< 1.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	26		< 8.3		< 6.3		< 8.3		< 40.8			25.1			280		< 24.3		< 24.3		NA			< 33	
Isopropyl ether	0001082	NSE	NSE	< .16		< .25		< .19		< .25		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .22		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	1.4		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .53		< .31		< .53		< 2.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .28		< .19		< .28		< 0.49			< 0.17			< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	
Methylene Chloride	0000750	5	0.5	< .22		< .48		< .4		< .48		< 0.36			< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	
Naphthalene	0000912	100	10	< .32		< .41		< .32		< .41		< 2.5			< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .18		< .24		< .18		< 0.40			< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .19		< .2		< .19		< 0.40			< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10	< .2		< .17		< .19		< .17		< 0.35			< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5	< .12		< .21		< .15		< .21		< 0.47			< 0.50			< 0.50		< 0.50		< 0.50		< 0.27			0.5	
Toluene	0001088	800	160	< .18		< .17		< .23		< .17		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		1.3			< 0.45	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .18		< .24		< .18		< .57			< .5			< 1		< 1		< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400	< .17		< .24		< .22		< .24		< .5			< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	
Trichloroethene	0000790	5	0.5	< .37		< .17		< .25		< .17		< 0.43			< 0.33			< 0.33		< 0.33		< 0.33		< 0.30			< 0.43	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .18		< .15		< .18		< 0.18			< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	
Xylene - M & P	1796012	2000	400	< .28		< .33		< .46		< .33		< 0.82			< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	
Xylene - O	0000954	2000	400	< .17		< .24		< .22		< .24		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	

333 **MW-106A**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .13		< .22		< .21		< .22		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .23		< .25		< .23		< 0.39			< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85	< .17		< .21		< .19		< .21		< 0.28			< 0.16			< 0.24		< 0.24		< 0.24		< 0.31			< 0.44	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .21		< .2		< .21		< 0.43			< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .27		< .26		< .27		< 0.77			< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .32		< .28		< .32		< 2.5			< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .2		< .21		< .2		< 0.42			< 0.26			< 0.26		< 0.26		< 0.26		< 0.25			< 0.42	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .16		< .19		< .16		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .16		< .24		< .16		< 0.48			< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .22		< .2		< .22		< 0.50			< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .26		< .19		< .26		< 0.37			< 0.24			< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .22		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .18		< .24		< .18		< 0.57			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .2		< .25		< .2		< 2.5			< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .2		< .26		< .2		< 0.48			< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800	4.2		< 4.2		< 4.2		< 4.2		< 2.6			3.1			4.0		< 3.0		< 3.0		1.3			< 1.1	
Benzene	0000714	5	0.5	< .24		< .2		< .26		< .2		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	
Chloroethane	0000750	400	80	< 1.1		< 1.5		< 2.1		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	
Chloroform	0000676	6	0.6	< .13		< .2		< .23		< .2		< 0.69			< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3	< .23		< .23		< .24		< .23		< 0.39			< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .29		< .19		< .29		< 0.40			< 0.16			< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140	< .15		< .21		< .22		< .21		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	
Fluorotrichloromethane	0000756	3490	698	< .21		< .32		< .25		< .32		< 0.48			< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .45		< .23		< .45		< 1.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	18		< 8.3		< 6.3		< 8.3		< 40.8			41.3			55.8		< 24.3		< 24.3		NA			< 33	
Isopropyl ether	0001082	NSE	NSE	< .16		< .25		< .19		< .25		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .22		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	.96		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .53		< .31		< .53		< 2.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .28		< .19		< .28		< 0.49			< 0.17			< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	
Methylene Chloride	0000750	5	0.5	< .22		< .48		< .4		< .48		< 0.36			< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	
Naphthalene	0000912	100	10	< .32		< .41		< .32		< .41		< 2.5			< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .18		< .24		< .18		< 0.40			< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .19		< .2		< .19		< 0.40			< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10	< .2		< .17		< .19		< .17		< 0.35			< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5	< .12		< .21		< .15		< .21		< 0.47			< 0.50			< 0.50		< 0.50		< 0.50		< 0.27			< 0.39	
Toluene	0001088	800	160	< .18		< .17		< .23		< .17		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		3.1			< 0.45	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .18		< .24		< .18		< .57			< .5			< 1		< 1		< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400	< .17		< .24		< .22		< .24		< .5			< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	
Trichloroethene	0000790	5	0.5	< .37		< .17		< .25		< .17		< 0.43			< 0.33			< 0.33		< 0.33		< 0.33		< 0.30			< 0.43	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .18		< .15		< .18		< 0.18			< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	
Xylene - M & P	1796012	2000	400	< .28		< .33		< .46		< .33		< 0.82			< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	
Xylene - O	0000954	2000	400	< .17		< .24		< .22		< .24		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	

357 **MW-111**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13 -P	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .13	< .22	< .22	< .22	< .21	< .21	< .22	< .21	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.36		< 0.36	< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< .21	< .23	< .23	< .23	< .25	< .25	< .23	< .25	< 0.39	< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40		< 0.4	< 0.46	
1,1-Dichloroethane	0000753	850	85	.45	.32	.36	.43	.47	< .19	< .21	.24	0.33	< 0.28		0.34	0.41		< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.31		< 0.31	< 0.44	
1,1-Dichloroethene	0000753	7	0.7	.26	< .21	.29	.33	.44	< .2	< .21	< .2	< 0.43	< 0.43		< 0.41	0.45		< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.28		< 0.28	< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3	< .27	< .27	< .27	< .26	< .26	< .27	< .26	< 0.77	< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.17		< 0.17	< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< .22	< .32	< .32	< .32	< .28	< .28	< .32	< .28	< 2.5	< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 0.21		< 0.21	< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	< .16	< .2	< .2	< .2	< .21	< .21	< .2	< .21	< 0.42	< 0.42		< 0.26	< 0.26		< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.25		< 0.25	< 0.42	
1,2-Dichlorobenzene	0000955	600	60	< .16	< .16	< .16	< .16	< .19	< .19	< .16	< .19	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22	< 0.32	
1,2-Dichloroethane	0001070	5	0.5	< .15	< .16	< .16	< .16	< .24	< .24	< .16	< .24	< 0.48	< 0.48		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17		< 0.17	< 0.44	
1,2-Dichloropropane	0000788	5	0.5	< .33	< .22	< .22	< .22	< .2	< .2	< .22	< .2	< 0.50	< 0.50		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.25		< 0.25	< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< .21	< .26	< .26	< .26	< .19	< .19	< .26	< .19	< 0.37	< 0.37		< 0.24	< 0.26		< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.28		< 0.28	< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< .3	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< 0.43	< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.21		< 0.21	< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .19	< .18	< .18	< .18	< .24	< .24	< .18	< .24	< 0.57	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.37		< 0.37	< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .19	< .2	< .2	< .2	< .25	< .25	< .2	< .25	< 2.5	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.29		< 0.29	< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .19	< .2	< .2	< .2	< .26	< .26	< .2	< .26	< 0.48	< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.32		< 0.32	< 0.36	
Acetone	0000676	9000	1800	< 4	< 4.2	< 4.2	< 4.2	< 4.2	4.2	4.7	< 4.2	< 2.6	< 2.6		< 3.0	< 3.0		< 3.0	< 3.0	9.6	< 3.0	< 3.0	< 3.0	2.9		< 0.92	< 1.1	
Benzene	0000714	5	0.5	< .24	< .2	< .2	< .2	< .26	< .26	< .2	< .26	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.30		< 0.3	< 0.46	
Chloroethane	0000750	400	80	< 1.1	< 1.5	< 1.5	< 1.5	< 2.1	< 2.1	< 1.5	< 2.1	< 0.44	< 0.44		< 0.37	< 0.37		< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.29		< 0.29	< 0.68	
Chloroform	0000676	6	0.6	< .13	< .2	< .2	< .2	< .23	< .23	< .2	< .23	< 0.69	< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 0.26		< 0.26	< 0.46	
Chloromethane	0000748	30	3	< .23	< .23	< .23	< .23	< .24	< .24	< .23	< .24	< 0.39	< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.17		< 0.17	< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< .25	< .29	< .29	< .29	< .19	< .19	< .29	< .19	< 0.40	< 0.40		< 0.16	< 0.20		< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.13		< 0.13	< 0.68	
Ethylbenzene	0001004	700	140	< .15	< .21	< .21	< .21	< .22	< .22	< .21	< .22	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.40		< 0.4	< 0.34	
Fluorotrichloromethane	0000756	3490	698	< .21	< .32	< .32	< .32	< .25	< .25	< .32	< .25	< 0.48	< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.20		< 0.2	< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< .25	< .45	< .45	< .45	< .23	< .23	< .45	< .23	< 1.3	< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.24		< 0.24	< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	< 10	< 8.3	< 8.3	< 8.3	23	28	14	< 6.3	< 40.8	< 40.8		< 24.3	33.8		< 24.3	< 24.3	< 24.3	< 24.3	< 24.3	70.1	NA		< 33	< 33	
Isopropyl ether	0001082	NSE	NSE	< .16	< .25	< .25	< .25	< .19	< .19	< .25	< .19	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.13		< 0.13	< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .18	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< 0.34	< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.31		< 0.31	< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	< .5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2.7	< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 0.58		< 0.58	< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	< .37	< .53	< .53	< .53	< .31	< .31	< .53	< .31	< 2.3	< 2.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.11		< 0.11	< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< .19	< .28	< .28	< .28	< .19	< .19	< .28	< .19	< 0.49	< 0.49		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.12		< 0.12	< 0.45	
Methylene Chloride	0000750	5	0.5	< .22	< .48	< .48	< .48	< .4	< .4	< .48	< .4	< 0.36	< 0.36		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.56		< 0.56	< 0.86	
Naphthalene	0000912	100	10	< .32	< .41	< .41	< .41	< .32	< .32	< .41	< .32	< 2.5	< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 0.18		< 0.18	< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< .23	< .18	< .18	< .18	< .24	< .24	< .18	< .24	< 0.40	< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.22		< 0.22	< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< .16	< .19	< .19	< .19	< .2	< .2	< .19	< .2	< 0.40	< 0.40		< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.14		< 0.14	< 0.26	
Styrene	0001004	100	10	< .2	< .17	< .17	< .17	< .19	< .19	< .17	< .19	< 0.35	< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.24		< 0.24	< 0.33	
Tetrachloroethene	0001271	5	0.5	< .12	< .21	< .21	< .21	< .15	< .15	< .21	< .15	< 0.47	< 0.47		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.27		< 0.27	< 0.39	
Toluene	0001088	800	160	< .18	< .17	< .17	< .17	< .23	< .23	< .17	< .23	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.58		< 0.37	< 0.45	
Total TriMthBenzenes	TOTALT	480	96	< .19	< .18	< .18	< .18	< .24	< .24	< .18	< .24	< .57	< .5		< .5	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< .66		< .66	< 1.1	
Total Xylenes	TOTAL X	2000	400	< .17	< .24	< .24	< .24	< .22	< .22	< .24	< .22	< .5	< .5		< .5	< 1.5		< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.33		< 1.33	< 1.12	
Trichloroethene	0000790	5	0.5	< .37	< .17	< .17	< .17	< .25	< .25	< .17	< .25	< 0.43	< 0.36		< 0.33	< 0.33		< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.30		< 0.3	< 0.43	
Vinyl Chloride	0000750	0.2	0.02	< .17	< .18	< .18	< .18	< .15	< .15	< .18	< .15	< 0.18	< 0.18		< 0.18	< 0.18		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.20		< 0.2	< 0.53	
Xylene - M & P	1796012	2000	400	< .28	< .33	< .33	< .33	< .46	< .46	< .33	< .46	< 0.82	< 0.82		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.98		< 0.98	< 0.81	
Xylene - O	0000954	2000	400	< .17	< .24	< .24	< .24	< .22	< .22	< .24	< .22	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.35		< 0.35	< 0.31	

360 **MW-111A** RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13 -P	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< 3.1	< 5.5	< .98	< .22	< 1	< 1	< 1.1	1	< 1.1	< 0.44		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5	< 2.5	< 2.5	< 0.36		< 0.36	< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5	< 5.2	< 5.6	< .83	< .23	< 1.3	< 1.3	< 1.1	< 1.3	< 0.97	< 0.39		< 0.16	< 0.16		< 0.39	< 0.20	< 0.20	< 0.99	< 0.99	< 0.99	< 0.40		< 0.4	< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85	140	14	4.3	4.7	6.5	4.2	9.6	15	20.4	9.2		12.9	10.3		26.0	14.1	10	7.5	9.2	7.2	17		54	36	8.3
1,1-Dichloroethene	0000753	7	0.7	< 5.4	< 5.2	< .76	2.1	< 1	< 1	< 1	< 1	< 1.1	< 0.43		< 0.41	< 0.41		< 0.82	< 0.41	< 0.41	< 2.1	< 2.1	< 2.1	< 0.28		< 0.28	< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 7.4	< 6.8	< 1.1	< .27	< 1.3	< 1.3	< 1.4	< 1.3	< 1.9	< 0.77		< 2.1	< 2.1		< 4.3	< 2.1	< 2.1	< 10.7	< 10.7	< 10.7	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14	< 5.5	< 8	< 1.5	< .32	< 1.4	< 1.4	< 1.6	< 1.4	< 6.2	< 2.5		< 2.2	< 2.2		< 4.4	< 2.2	< 2.2	< 11.0	< 11.0	< 11.0	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7	< 4.1	< 5.1	< .6	.33	< 1	< 1	< 1	< 1	< 1.0	< 0.42		0.49	0.35		0.67	0.61	0.54	< 1.3	2.1	< 1.3	< 0.25		< 0.25	0.7	< 0.42
1,2-Dichlorobenzene	0000955	600	60	< 4	< 4	< .65	< .16	< .93	< .93	< .79	< .93	< 1.1	< 0.44		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5	< 2.5	< 2.5	< 0.22		< 0.22	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5	*24*	*19*	*14*	*13*	*14*	*14*	*18*	*18*	*17.9*	*5.2*		*22.5*	*25.1*		*10.3*	*18.1*	*21.8*	*30.8*	*67.7*	*47.0*	*15*		*18*	*16*	*14*
1,2-Dichloropropane	0000788	5	0.5	< 8.2	< 5.4	4.5	3.5	4.1	3.4	*5.5*	*5.3*	*5.3*	1.7		4.3	5.0		2.2	2.3	2.5	1.9	*8.7*	*8.4*	3.5		3.3	< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20	< 5.1	< 6.5	.91	.89	1.1	< .97	1.9	1.3	1.8	0.56		1.2	1.4		0.91	1.2	1.5	2.3	8.9	8.6	3.0		2.3	4	5
1,4-Dichlorobenzene	0001064	75	15	< 7.4	< 5.6	< .64	< .22	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 0.43		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5	< 2.5	< 2.5	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96	< 4.8	< 4.5	< .6	< .18	< 1.2	< 1.2	< .91	< 1.2	< 1.4	< 0.50		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5	< 2.5	< 2.5	< 0.37		< 0.37	< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96	< 4.9	< 4.9	< .61	< .2	< 1.3	< 1.3	< .98	< 1.3	< 6.2	< 0.50		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5	< 2.5	< 2.5	< 0.29		< 0.29	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE	< 4.7	< 5	< .73	< .2	< 1.3	< 1.3	< 1	< 1.3	< 1.2	< 0.48		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5	< 2.5	< 2.5	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800	< 100	< 100	< 20	< 4.2	< 21	< 21	< 21	< 21	< 6.5	< 2.6		< 3.0	< 3.0		< 5.9	< 3.0	< 3.0	< 14.8	< 14.8	< 14.8	< 0.92		< 0.92	< 1.1	8.5
Benzene	0000714	5	0.5	< 6	< 4.9	1.6	1.5	1.4	< 1.3	2.3	1.9	2.3	0.84		2.0	2.8		1.2	1.8	2.2	3.2	*12.1*	*9.5*	4.1		2.8	2.7	2.1
Chloroethane	0000750	400	80	190	200	200	250	200	200	260	220	201	31.7		240	269		91.3	140	259	285	*761*	*534*	< 0.29		270	290	300
Chloroform	0000676	6	0.6	< 3.3	< 5.1	< .65	< .2	< 1.1	< 1.1	< 1	< 1.1	< 1.7	< 0.69		< 2.5	< 2.5		< 5.0	< 2.5	< 2.5	< 12.5	< 12.5	< 12.5	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3	< 5.8	< 5.8	< 1.4	< .23	< 1.2	< 1.2	< 1.2	< 1.2	< 0.97	< 0.39		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5	< 2.5	< 2.5	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200	< 6.2	< 7.2	< .67	< .29	< .95	< .95	< 1.4	< .95	< 1.0	< 0.40		< 0.16	< 0.20		< 0.45	< 0.22	< 0.22	< 1.1	< 1.1	< 1.1	< 0.13		< 0.13	< 0.68	< 0.68
Ethylbenzene	0001004	700	140	< 3.9	< 5.2	< .6	< .21	< 1.1	< 1.1	< 1	< 1.1	< 1.2	< 0.50		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5	< 2.5	< 2.5	0.99		< 0.4	0.42	< 0.34
Fluorotrichloromethane	0000756	3490	698	< 5.3	< 7.9	< .54	< .32	< 1.3	< 1.3	< 1.6	< 1.3	< 1.2	< 0.48		< 0.17	< 0.17		< 0.37	< 0.18	< 0.18	< 0.92	< 0.92	< 0.92	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE	< 6.2	< 11	< 1.8	< .45	< 1.1	< 1.1	< 2.2	< 1.1	< 3.1	< 1.3		< 2.1	< 2.1		< 4.2	< 2.1	< 2.1	< 10.5	< 10.5	< 10.5	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE	< 250	< 210	< 71	< 8.3	< 32	< 32	< 41	< 32	< 102	< 40.8		< 24.3	< 24.3		63.3	< 24.3	< 24.3	< 122	< 122	< 122	NA		< 33	< 33	45
Isopropyl ether	0001082	NSE	NSE	< 3.9	< 6.1	< 1	< .25	< .95	< .95	< 1.2	< .95	< 1.2	< 0.50		1.0	1.3		1.5	1.3	1.8	< 2.5	< 2.5	2.5	2.2		1.4	1.4	1.9
Isopropylbenzene	0000988	NSE	NSE	< 4.4	< 5.4	< .51	< .22	< 1.1	< 1.1	< 1.1	< 1.1	< 0.85	< 0.34		< 0.12	< 0.14		< 0.29	< 0.14	< 0.14	< 0.72	< 0.72	< 0.72	< 0.31		< 0.31	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800	< 12	< 25	< 5	1	< 5	< 5	< 5	< 5	< 6.7	< 2.7		< 3.0	< 3.0		< 6.0	< 3.0	< 3.0	< 14.9	< 14.9	< 14.9	< 0.58		< 0.58	< 0.52	< 0.52
Methyl Isobutyl Ketone	0001081	500	50	31	< 13	14	3.5	3.3	5.5	< 2.7	< 1.6	< 5.9	< 2.3		3.7	< 2.1		< 4.3	< 2.1	< 2.1	< 10.7	< 10.7	< 10.7	0.49		< 0.11	< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12	< 4.8	< 7.1	< .64	< .28	< .95	< .95	< 1.4	< .95	< 1.2	< 0.49		< 0.17	< 0.17		< 0.35	< 0.17	< 0.17	< 0.87	< 0.87	< 0.87	< 0.12		< 0.12	< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5	< 5.5	*38*	4.8	< .48	< 2	< 2	< 2.4	< 2	< 0.90	< 0.36		< 0.23	< 0.23		< 0.47	< 0.23	< 0.23	< 1.2	< 1.2	< 1.2	< 0.56		< 0.56	< 0.86	< 0.86
Naphthalene	0000912	100	10	< 7.9	< 10	< 1.5	< .41	< 1.6	< 1.6	< 2	< 1.6	< 6.2	< 2.5		< 2.5	< 2.5		< 5.0	< 2.5	< 2.5	< 12.5	< 12.5	< 12.5	< 0.18		< 0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE	< 5.6	< 4.5	< .68	< .18	< 1.2	< 1.2	< .91	< 1.2	< 1.0	< 0.40		< 0.22	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5	< 2.5	< 2.5	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE	< 4.1	< 4.8	< .54	< .19	< 1	< 1	< .95	< 1	< 0.99	< 0.40		< 0.13	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5	< 2.5	< 2.5	< 0.14		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10	< 5	< 4.3	< .55	< .17	< .97	< .97	< .86	< .97	< 0.87	< 0.35		< 0.15	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5	< 2.5	< 2.5	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5	< 3	< 5.2	< .9	< .21	< .73	< .73	< 1	< .73	< 1.2	< 0.47		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5	< 2.5	< 2.5	< 0.27		< 0.27	< 0.39	< 0.39
Toluene	0001088	800	160	56	53	54	55	31	16	45	49	18.3	0.51		7.8	6.7		3.8	3.8	18.3	24.3	109	65.3	11		7.6	8.6	12
Total TriMthBenzenes	TOTALT	480	96	< 4.8	< 4.5	< .6	< .18	< 1.2	< 1.2	< .91	< 1.2	< 1.4	< .5		< .5	< 1		< 2	< 1	< 1	< 5	< 5	< 5	< .66		< .66	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400	< 4.1	< 6	< .78	< .24	< 1.1	< 1.1	< 1.2	< 1.1	< 1.2	< .5		< .5	< 1.5		< 3	< 1.5	< 1.5	< 7.5	< 7.5	< 7.5	2.6		< 1.33	< 1.12	< 1.12
Trichloroethene	0000790	5	0.5	< 9.3	< 4.2	< .82	.18	< 1.2	< 1.2	< .84	1.4	< 1.1	< 0.36		0.40	< 0.33		< 0.66	< 0.33	< 0.33	< 1.7	< 1.7	< 1.7	< 0.30		< 0.3	< 0.43	< 0.43
Vinyl Chloride	0000750	0.2	0.02	< 4.2	< 4.6	< .87	*.58*	< .75	< .75	< .92	< .75	< 0.46	*0.27*		< 0.18	*0.45*		< 0.35	< 0.18	*0.52*	< 0.88	*1.7*	< 0.88	< 0.20		< 0.2	< 0.53	< 0.53
Xylene - M & P	1796012	2000	400	< 7	< 8.4	< 1.1	< .33	< 2.3	< 2.3	< 1.7	< 2.3	< 2.0	< 0.82		< 1.0	< 1.0		< 2.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	1.5		< 0.98	< 0.81	< 0.81
Xylene - O	0000954	2000	400	< 4.1	< 6	< .78	< .24	< 1.1	< 1.1	< 1.2	< 1.1	< 1.2	< 0.50		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5	< 2.5	< 2.5	1.1		< 0.35	< 0.31	< 0.31

363 **MW-111B** RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13 -P	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< 1.1	< 1.1	< .44	< 2.2	< .82	< .82	< .22	< .21	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.36		< 0.36	< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5	< 1.1	< 1.1	< .45	< 2.3	< 1	< 1	.43	< .25	< 0.39	< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 2.0	< 0.20	< 0.20	< 0.40		< 0.4	< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85	35	18	14	15	12	15	6.7	5.4	6.5	33		50.5	44.1		11.1	11.2	10.3	8.8	5.4	8.6	24		17	12	5.8
1,1-Dichloroethene	0000753	7	0.7	< 1	< 1	< .42	< 2.1	< .8	< .8	.84	.61	1.1	< 0.43		< 0.41	< 0.41		< 0.41	< 0.41	< 0.41	< 4.1	< 0.41	< 0.41	2.8		< 0.28	< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 1.4	< 1.4	< .54	< 2.7	< 1	< 1	< .27	< .26	< 0.77	< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 21.3	< 2.1	< 2.1	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14	< 1.6	< 1.6	< .64	< 3.2	< 1.1	< 1.1	< .32	< .28	< 2.5	< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 22.1	< 2.2	< 2.2	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7	< 1	< 1	1.2	< 2	< .82	< .82	3	5.3	9.5	1.6		2.7	0.86		0.81	1.1	2.8	< 2.6	< 0.26	0.85	15		2.6	4.7	0.48
1,2-Dichlorobenzene	0000955	600	60	< .79	< .79	< .32	< 1.6	< .74	< .74	< .16	< .19	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.22		< 0.22	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5	***7.3***	2.5	2	4.2	1.7	2.1	.64	.32	< 0.48	1.7		2.7	3.0		4.1	***6.0***	4.3	***25.4***	0.95	0.38	< 0.17		***6.8***	2.4	4.1
1,2-Dichloropropane	0000788	5	0.5	1.7	< 1.1	< .43	< 2.2	< .79	< .79	< .22	< .2	< 0.50	0.54		1.0	1.1		1.1	1.0	0.92	***10.7***	0.40	< 0.23	0.87		1.6	< 0.48	1
1,2-trans-Dichloroethene	0001566	100	20	< 1.3	< 1.3	< .52	< 2.6	< .77	< .77	.82	1.2	1.6	0.69		1.1	1.2		0.87	1.0	1.2	< 2.6	1.4	3.0	2.2		4.6	3.1	1.2
1,4-Dichlorobenzene	0001064	75	15	< 1.1	< 1.1	< .44	< 2.2	< .87	< .87	< .22	< .22	< 0.43	< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96	< .91	< .91	< .36	< 1.8	< .94	< .94	< .18	< .24	< 0.57	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.37		< 0.37	< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96	< .98	< .98	< .39	< 2	< 1	< 1	< .2	< .25	< 2.5	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.29		< 0.29	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE	< 1	< 1	< .4	< 2	< 1	< 1	< .2	< .26	< 0.48	< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800	< 21	< 21	< 8.3	< 42	< 17	< 17	< 4.2	< 4.2	< 2.6	< 2.6		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 29.5	< 3.0	< 3.0	2.2		< 0.92	< 1.1	11
Benzene	0000714	5	0.5	< .98	< .98	.7	< 2	< 1	< 1	.2	< .26	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.30		< 0.3	< 0.46	< 0.46
Chloroethane	0000750	400	80	38	< 7.6	< 3	25	< 8.2	< 8.2	< 1.5	< 2.1	< 0.44	5.4		10.0	20.7		56.6	37.7	43.7	363	3.5	2.2	< 0.29		130	39	73
Chloroform	0000676	6	0.6	< 1	< 1	< .4	< 2	< .9	< .9	< .2	< .23	< 0.69	< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 25.0	< 2.5	< 2.5	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3	< 1.2	< 1.2	< .47	< 2.3	< .96	< .96	< .23	< .24	< 0.39	< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200	< 1.4	< 1.4	< .58	< 2.9	< .76	< .76	.32	< .19	< 0.40	< 0.40		< 0.16	< 0.20		< 0.22	< 0.22	< 0.22	< 2.2	< 0.22	< 0.22	< 0.13		< 0.13	< 0.68	< 0.68
Ethylbenzene	0001004	700	140	< 1	< 1	< .41	< 2.1	< .86	< .86	< .21	< .22	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.40		< 0.4	< 0.34	< 0.34
Fluorotrichloromethane	0000756	3490	698	< 1.6	< 1.6	< .63	< 3.2	< 1	< 1	< .32	< .25	< 0.48	< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 1.8	< 0.18	< 0.18	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE	< 2.2	< 2.2	< .89	< 4.5	< .9	< .9	< .45	< .23	< 1.3	< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 21.1	< 2.1	< 2.1	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE	< 41	< 41	< 17	< 83	< 25	51	< 8.3	< 6.3	< 40.8	< 40.8		< 24.3	< 24.3		29.9	< 24.3	< 24.3	< 243	< 24.3	< 24.3	NA		< 33	< 33	54
Isopropyl ether	0001082	NSE	NSE	< 1.2	< 1.2	< .49	< 2.5	< .76	< .76	< .25	< .19	< 0.50	< 0.50		0.97	1.1		1.4	1.7	1.4	< 5.0	< 0.50	< 0.50	< 0.13		< 0.13	< 0.41	0.41
Isopropylbenzene	0000988	NSE	NSE	< 1.1	< 1.1	< .43	< 2.2	< .89	< .89	< .22	< .22	< 0.34	< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 1.4	< 0.14	< 0.14	< 0.31		< 0.31	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800	< 5	< 5	< 2	< 10	< 4	< 4	< 1	< 1	< 2.7	< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 29.8	< 3.0	< 3.0	< 0.58		< 0.58	< 0.52	< 0.52
Methyl Isobutyl Ketone	0001081	500	50	3.2	< 2.7	< 1.1	< 5.3	< 1.3	< 1.3	< .53	< .31	< 2.3	< 2.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 21.4	< 2.1	< 2.1	< 0.11		< 0.11	< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12	< 1.4	< 1.4	< .57	< 2.8	< .76	< .76	< .28	< .19	< 0.49	< 0.49		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 1.7	< 0.17	< 0.17	< 0.12		< 0.12	< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5	< 2.4	***6.7***	< .96	< 4.8	< 1.6	< 1.6	< .48	< .4	< 0.36	< 0.36		< 0.23	0.35		< 0.23	< 0.23	< 0.23	< 2.3	< 0.23	< 0.23	< 0.56		< 0.56	< 0.86	< 0.86
Naphthalene	0000912	100	10	< 2	< 2	< .81	< 4.1	< 1.3	< 1.3	< .41	< .32	< 2.5	< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 25.0	< 2.5	< 2.5	< 0.18		< 0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE	< .91	< .91	< .36	< 1.8	< .98	< .98	< .18	< .24	< 0.40	< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE	< .95	< .95	< .38	< 1.9	< .81	< .81	< .19	< .2	< 0.40	< 0.40		< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.14		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10	< .86	< .86	< .34	< 1.7	< .78	< .78	< .17	< .19	< 0.35	< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5	< 1	< 1	< .41	< 2.1	< .58	< .58	< .21	< .15	< 0.47	< 0.47		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.27		< 0.27	< 0.39	< 0.39
Toluene	0001088	800	160	9.6	< .86	.37	< 1.7	< .92	< .92	< .17	< .23	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	1.2	7.0	0.71	0.68	1.5		3.5	< 0.45	< 0.45
Total TriMthBenzenes	TOTALT	480	96	< .91	< .91	< .36	< 1.8	< .94	< .94	< .18	< .24	< .57	< .5		< .5	< 1		< 1	< 1	< 1	< 10	< 1	< 1	< .66		< .66	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400	< 1.2	< 1.2	< .48	< 2.4	< .9	< .9	< .24	< .22	< .5	< .5		< .5	< 1.5		< 1.5	< 1.5	< 1.5	< 15	< 1.5	< 1.5	< 1.33		< 1.33	< 1.12	< 1.12
Trichloroethene	0000790	5	0.5	2.3	2.4	4.5	2.9	3.4	2.7	***9.3***	***10***	***11.5***	***6.1***		***6.8***	3.1		3.1	4.0	< 0.33	< 3.3	0.56	1.4	3.2		1.9	1.1	< 0.43
Vinyl Chloride	0000750	0.2	0.02	< .92	< .92	***1.1***	< 1.8	***.76***	< .6	***3.5***	***3***	***3.4***	***1.5***		***1.8***	***0.97***		***0.51***	***0.93***	***4.2***	< 1.8	***0.23***	***0.70***	***11***		***2.4***	***5.8***	< 0.53
Xylene - M & P	1796012	2000	400	< 1.7	< 1.7	< .67	< 3.3	< 1.8	< 1.8	< .33	< .46	< 0.82	< 0.82		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 10.0	< 1.0	< 1.0	< 0.98		< 0.98	< 0.81	< 0.81
Xylene - O	0000954	2000	400	< 1.2	< 1.2	< .48	< 2.4	< .9	< .9	< .24	< .22	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.35		< 0.35	< 0.31	< 0.31

366 **MW-112** RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .13		< .2		< .21		< .22		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .17		< .25		< .23		< 0.39			< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85	< .17		< .16		< .19		< .21		< 0.28			< 0.16			< 0.24		< 0.24		< 0.24		< 0.31			< 0.44	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .15		< .2		< .21		< 0.43			< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .23		< .26		< .27		< 0.77			< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .3		< .28		< .32		< 2.5			< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .12		< .21		< .2		< 0.42			< 0.26			< 0.26		< 0.26		< 0.26		< 0.25			< 0.42	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .19		< .16		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .22		< .24		< .16		< 0.48			< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .21		< .2		< .22		< 0.50			< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .13		< .19		< .26		< 0.37			< 0.24			< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .13		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .12		< .24		< .18		< 0.57			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .12		< .25		< .2		< 2.5			< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .15		< .26		< .2		< 0.48			< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800	< 4		5.3		< 4.2		< 4.2		3.4			< 3.0			3.6		3.5		< 3.0		3.1			< 1.1	
Benzene	0000714	5	0.5	< .24		< .13		< .26		< .2		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	
Chloroethane	0000750	400	80	< 1.1		< .67		< 2.1		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37		0.88		< 0.29			< 0.68	
Chloroform	0000676	6	0.6	< .13		< .13		< .23		< .2		< 0.69			< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3	< .23		< .28		< .24		< .23		< 0.39			< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .13		< .19		< .29		< 0.40			< 0.16			< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140	< .15		< .12		< .22		< .21		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	
Fluorotrichloromethane	0000756	3490	698	< .21		< .11		< .25		< .32		< 0.48			< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .36		< .23		< .45		< 1.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	< 10		< 14		42		< 8.3		< 40.8			< 24.3			< 24.3		< 24.3		< 24.3		NA			< 33	
Isopropyl ether	0001082	NSE	NSE	< .16		< .2		< .19		< .25		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .1		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	< .5		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .64		< .31		< .53		< 2.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .13		< .19		< .28		< 0.49			< 0.17			< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	
Methylene Chloride	0000750	5	0.5	< .22		< .27		< .4		< .48		< 0.36			< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	
Naphthalene	0000912	100	10	< .32		< .31		< .32		< .41		< 2.5			< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .14		< .24		< .18		< 0.40			< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .11		< .2		< .19		< 0.40			< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10	< .2		< .11		< .19		< .17		< 0.35			< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5	< .12		< .18		< .15		< .21		< 0.47			< 0.50			< 0.50		< 0.50		< 0.50		< 0.27			< 0.39	
Toluene	0001088	800	160	< .18		< .16		< .23		< .17		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		1.7			< 0.45	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .12		< .24		< .18		< .57			< .5			< 1		< 1		< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400	< .17		< .16		< .22		< .24		< .5			< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	
Trichloroethene	0000790	5	0.5	< .37		< .16		< .25		< .17		< 0.43			< 0.33			< 0.33		< 0.33		< 0.33		< 0.30			< 0.43	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .17		< .15		< .18		< 0.18			< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	
Xylene - M & P	1796012	2000	400	< .28		< .22		< .46		< .33		< 0.82			< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	
Xylene - O	0000954	2000	400	< .17		< .16		< .22		< .24		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	

369 **MW-112A**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .22		< .22		< .21		< .22		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< .23		< .23		< .25		< .23		< 0.39			< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85	< .21		< .21		< .19		< .21		< 0.28			< 0.16			< 0.24		< 0.24		< 0.24		< 0.31			< 0.44	
1,1-Dichloroethene	0000753	7	0.7	< .21		< .21		< .2		< .21		< 0.43			< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .27		< .27		< .26		< .27		< 0.77			< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< .32		< .32		< .28		< .32		< 2.5			< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	< .2		< .2		< .21		< .2		< 0.42			< 0.26			< 0.26		< 0.26		< 0.26		< 0.25			< 0.42	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .16		< .19		< .16		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5	< .16		< .16		< .24		< .16		< 0.48			< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	
1,2-Dichloropropane	0000788	5	0.5	< .22		< .22		< .2		< .22		< 0.50			< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< .26		< .26		< .19		< .26		< 0.37			< 0.24			< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< .22		< .22		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .18		< .18		< .24		< .18		< 0.57			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .2		< .2		< .25		< .2		< 2.5			< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .2		< .2		< .26		< .2		< 0.48			< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800	< 4.2		< 4.2		< 4.2		5		< 2.6			3.1			< 3.0		< 3.0		< 3.0		< 0.92			< 1.1	
Benzene	0000714	5	0.5	< .2		< .2		< .26		< .2		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	
Chloroethane	0000750	400	80	< 1.5		< 1.5		< 2.1		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	
Chloroform	0000676	6	0.6	< .2		< .2		< .23		< .2		< 0.69			< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3	< .23		< .23		< .24		< .23		< 0.39			< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< .29		< .29		< .19		< .29		< 0.40			< 0.16			< 0.22		< 0.22		0.25		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140	< .21		< .21		< .22		< .21		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	
Fluorotrichloromethane	0000756	3490	698	< .32		< .32		< .25		< .32		< 0.48			< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< .45		< .45		< .23		< .45		< 1.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	< 8.3		< 8.3		44		10		< 40.8			61.6			< 24.3		< 24.3		< 24.3		NA			< 33	
Isopropyl ether	0001082	NSE	NSE	< .25		< .25		< .19		< .25		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .22		< .22		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	< 1		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	< .53		< .53		< .31		< .53		< 2.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< .28		< .28		< .19		< .28		< 0.49			< 0.17			< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	
Methylene Chloride	0000750	5	0.5	< .48		< .48		< .4		< .48		< 0.36			< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	
Naphthalene	0000912	100	10	< .41		< .41		< .32		< .41		< 2.5			< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< .18		< .18		< .24		< .18		< 0.40			< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< .19		< .19		< .2		< .19		< 0.40			< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10	< .17		< .17		< .19		< .17		< 0.35			< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5	< .21		< .21		< .15		< .21		< 0.47			< 0.50			< 0.50		< 0.50		< 0.50		< 0.27			< 0.39	
Toluene	0001088	800	160	< .17		< .17		< .23		< .17		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		1.8			< 0.45	
Total TriMthBenzenes	TOTALT	480	96	< .18		< .18		< .24		< .18		< .57			< .5			< 1		< 1		< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400	< .24		< .24		< .22		< .24		< .5			< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	
Trichloroethene	0000790	5	0.5	< .17		< .17		< .25		< .17		< 0.43			< 0.33			< 0.33		< 0.33		< 0.33		< 0.30			< 0.43	
Vinyl Chloride	0000750	0.2	0.02	< .18		< .18		< .15		< .18		< 0.18			< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	
Xylene - M & P	1796012	2000	400	< .33		< .33		< .46		< .33		< 0.82			< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	
Xylene - O	0000954	2000	400	< .24		< .24		< .22		< .24		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	

372 **MW-112B**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .22		< .22		< .21		< .22		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< .23		< .23		< .25		< .23		< 0.39			< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85	< .21		< .21		< .19		< .21		< 0.28			< 0.16			< 0.24		< 0.24		< 0.24		< 0.31			< 0.44	
1,1-Dichloroethene	0000753	7	0.7	< .21		< .21		< .2		< .21		< 0.43			< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .27		< .27		< .26		< .27		< 0.77			< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< .32		< .32		< .28		< .32		< 2.5			< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	< .2		< .2		< .21		< .2		< 0.42			< 0.26			< 0.26		< 0.26		< 0.26		< 0.25			< 0.42	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .16		< .19		< .16		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5	< .16		< .16		< .24		< .16		< 0.48			< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	
1,2-Dichloropropane	0000788	5	0.5	< .22		< .22		< .2		< .22		< 0.50			< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< .26		< .26		< .19		< .26		< 0.37			< 0.24			< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< .22		< .22		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .18		< .18		< .24		< .18		< 0.57			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .2		< .2		< .25		< .2		< 2.5			< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .2		< .2		< .26		< .2		< 0.48			< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800	< 4.2		< 4.2		< 4.2		9		< 2.6			< 3.0			< 3.0		< 3.0		< 3.0		< 0.92			< 3	
Benzene	0000714	5	0.5	< .2		< .2		< .26		< .2		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	
Chloroethane	0000750	400	80	< 1.5		< 1.5		< 2.1		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	
Chloroform	0000676	6	0.6	< .2		< .2		< .23		< .2		< 0.69			< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3	< .23		< .23		< .24		< .23		< 0.39			< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< .29		< .29		< .19		< .29		< 0.40			< 0.16			< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140	< .21		< .21		< .22		< .21		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	
Fluorotrichloromethane	0000756	3490	698	< .32		< .32		< .25		< .32		< 0.48			< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< .45		< .45		< .23		< .45		< 1.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	< 8.3		< 8.3		18		15		< 40.8			30.0			< 24.3		< 24.3		< 24.3		NA			< 100	
Isopropyl ether	0001082	NSE	NSE	< .25		< .25		< .19		< .25		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .22		< .22		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	< 1		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	< .53		< .53		< .31		< .53		< 2.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< .28		< .28		< .19		< .28		< 0.49			< 0.17			< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	
Methylene Chloride	0000750	5	0.5	< .48		< .48		< .4		< .48		< 0.36			< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	
Naphthalene	0000912	100	10	< .41		< .41		< .32		< .41		< 2.5			< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< .18		< .18		< .24		< .18		< 0.40			< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< .19		< .19		< .2		< .19		< 0.40			< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10	< .17		< .17		< .19		< .17		< 0.35			< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5	< .21		< .21		< .15		< .21		< 0.47			< 0.50			< 0.50		< 0.50		< 0.50		< 0.27			< 0.39	
Toluene	0001088	800	160	< .17		3.1		< .23		< .17		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		0.91			< 0.45	
Total TriMthBenzenes	TOTALT	480	96	< .18		< .18		< .24		< .18		< .57			< .5			< 1		< 1		< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400	< .24		< .24		< .22		< .24		< .5			< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	
Trichloroethene	0000790	5	0.5	< .17		.19		< .25		< .17		< 0.43			< 0.33			< 0.33		< 0.33		< 0.33		< 0.30			0.58	
Vinyl Chloride	0000750	0.2	0.02	< .18		< .18		< .15		< .18		< 0.18			< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	
Xylene - M & P	1796012	2000	400	< .33		< .33		< .46		< .33		< 0.82			< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	
Xylene - O	0000954	2000	400	< .24		< .24		< .22		< .24		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	

375 **MW-113**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .13		< .2		< .21		< .22		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .17		< .25		< .23		< 0.39			< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85	< .17		< .16		< .19		< .21		< 0.28			< 0.16			< 0.24		< 0.24		< 0.24		< 0.31			< 0.44	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .15		< .2		< .21		< 0.43			< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .23		< .26		< .27		< 0.77			< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .3		< .28		< .32		< 2.5			< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .12		< .21		< .2		< 0.42			< 0.26			< 0.26		< 0.26		< 0.26		< 0.25			< 0.42	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .19		< .16		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .22		< .24		< .16		< 0.48			< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .21		< .2		< .22		< 0.50			< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .13		< .19		< .26		< 0.37			< 0.24			< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .13		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .12		< .24		< .18		< 0.57			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .12		< .25		< .2		< 2.5			< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .15		< .26		< .2		< 0.48			< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800	< 4		8.5		< 4.2		6		< 2.6			< 3.0			11.4		< 3.0		< 3.0		< 0.92			< 1.1	
Benzene	0000714	5	0.5	< .24		< .13		< .26		< .2		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	
Chloroethane	0000750	400	80	< 1.1		< .67		< 2.1		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	
Chloroform	0000676	6	0.6	< .13		< .13		< .23		< .2		< 0.69			< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3	< .23		.89		< .24		< .23		< 0.39			< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .13		< .19		< .29		< 0.40			< 0.16			< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140	< .15		< .12		< .22		< .21		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	
Fluorotrichloromethane	0000756	3490	698	< .21		< .11		< .25		< .32		< 0.48			< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .36		< .23		< .45		< 1.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	< 10		< 14		< 6.3		20		< 40.8			< 24.3			258		< 24.3		< 24.3		NA			< 33	
Isopropyl ether	0001082	NSE	NSE	< .16		< .2		< .19		< .25		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .1		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	< .5		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .64		< .31		< .53		< 2.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .13		< .19		< .28		< 0.49			< 0.17			< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	
Methylene Chloride	0000750	5	0.5	< .22		< .27		< .4		< .48		< 0.36			< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	
Naphthalene	0000912	100	10	< .32		< .31		< .32		< .41		< 2.5			< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .14		< .24		< .18		< 0.40			< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .11		< .2		< .19		< 0.40			< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10	< .2		< .11		< .19		< .17		< 0.35			< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5	< .12		< .18		< .15		< .21		< 0.47			< 0.50			< 0.50		< 0.50		< 0.50		< 0.27			< 0.39	
Toluene	0001088	800	160	< .18		< .16		< .23		< .17		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .12		< .24		< .18		< .57			< .5			< 1		< 1		< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400	< .17		< .16		< .22		< .24		< .5			< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	
Trichloroethene	0000790	5	0.5	< .37		< .16		< .25		< .17		< 0.43			< 0.33			< 0.33		< 0.33		< 0.33		< 0.30			< 0.43	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .17		< .15		< .18		< 0.18			< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	
Xylene - M & P	1796012	2000	400	< .28		< .22		< .46		< .33		< 0.82			< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	
Xylene - O	0000954	2000	400	< .17		< .16		< .22		< .24		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	

378 **MW-113A**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .13		< .2		< .21		< .22		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .17		< .25		< .23		< 0.39			< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85	< .17		< .16		< .19		< .21		< 0.28			< 0.16			< 0.24		< 0.24		< 0.24		< 0.31			< 0.44	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .15		< .2		< .21		< 0.43			< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .23		< .26		< .27		< 0.77			< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .3		< .28		< .32		< 2.5			< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .12		< .21		< .2		< 0.42			< 0.26			< 0.26		< 0.26		0.68		< 0.25			< 0.42	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .19		< .16		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .22		< .24		< .16		< 0.48			< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .21		< .2		< .22		< 0.50			< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .13		< .19		< .26		< 0.37			< 0.24			< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .13		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .12		< .24		< .18		< 0.57			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .12		< .25		< .2		< 2.5			< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .15		< .26		< .2		< 0.48			< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800	5		5.1		< 4.2		< 4.2		< 2.6			< 3.0			< 3.0		< 3.0		< 3.0		< 0.92			< 3	
Benzene	0000714	5	0.5	< .24		< .13		< .26		< .2		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	
Chloroethane	0000750	400	80	< 1.1		< .67		< 2.1		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	
Chloroform	0000676	6	0.6	< .13		< .13		< .23		< .2		< 0.69			< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3	< .23		< .28		< .24		< .23		< 0.39			< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .13		< .19		< .29		< 0.40			< 0.16			< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140	< .15		< .12		< .22		< .21		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	
Fluorotrichloromethane	0000756	3490	698	< .21		< .11		< .25		< .32		< 0.48			< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .36		< .23		< .45		< 1.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	15		< 14		32		15		< 40.8			< 24.3			< 24.3		< 24.3		< 24.3		NA			< 33	
Isopropyl ether	0001082	NSE	NSE	< .16		< .2		< .19		< .25		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .1		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	1.5		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .64		< .31		< .53		< 2.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .13		< .19		< .28		< 0.49			< 0.17			< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	
Methylene Chloride	0000750	5	0.5	< .22		< .27		< .4		< .48		< 0.36			< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	
Naphthalene	0000912	100	10	< .32		< .31		< .32		< .41		< 2.5			< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .14		< .24		< .18		< 0.40			< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .11		< .2		< .19		< 0.40			< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10	< .2		< .11		< .19		< .17		< 0.35			< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5	< .12		< .18		< .15		< .21		< 0.47			< 0.50			< 0.50		< 0.50		< 0.50		< 0.27			< 0.39	
Toluene	0001088	800	160	< .18		.21		< .23		< .17		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		2.7			< 0.45	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .12		< .24		< .18		< .57			< .5			< 1		< 1		< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400	< .17		< .16		< .22		< .24		< .5			< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	
Trichloroethene	0000790	5	0.5	< .37		< .16		< .25		< .17		< 0.43			< 0.33			< 0.33		< 0.33		< 0.33		< 0.30			< 0.43	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .17		< .15		< .18		< 0.18			< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	
Xylene - M & P	1796012	2000	400	< .28		< .22		< .46		< .33		< 0.82			< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	
Xylene - O	0000954	2000	400	< .17		< .16		< .22		< .24		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	

381 **MW-113B**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .13		< .2		< .21		< .22		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .17		< .25		< .23		< 0.39			< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85	< .17		< .16		< .19		< .21		< 0.28			< 0.16			< 0.24		< 0.24		< 0.24		< 0.31			< 0.44	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .15		< .2		< .21		< 0.43			< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .23		< .26		< .27		< 0.77			< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .3		< .28		< .32		< 2.5			< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .12		< .21		< .2		< 0.42			< 0.26			< 0.26		< 0.26		0.27		< 0.25			< 0.42	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .19		< .16		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .22		< .24		< .16		< 0.48			< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .21		< .2		< .22		< 0.50			< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .13		.47		< .26		< 0.37			< 0.24			< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .13		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .12		< .24		< .18		< 0.57			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .12		< .25		< .2		< 2.5			< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .15		< .26		< .2		< 0.48			< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800	< 4		< 4		6.5		< 4.2		< 2.6			< 3.0			< 3.0		< 3.0		< 3.0		< 0.92			< 1.1	
Benzene	0000714	5	0.5	< .24		< .13		< .26		< .2		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	
Chloroethane	0000750	400	80	< 1.1		< .67		< 2.1		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	
Chloroform	0000676	6	0.6	< .13		< .13		< .23		< .2		< 0.69			< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3	< .23		< .28		< .24		< .23		< 0.39			< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .13		< .19		< .29		< 0.40			< 0.16			< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140	< .15		< .12		< .22		< .21		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	
Fluorotrichloromethane	0000756	3490	698	< .21		< .11		< .25		< .32		< 0.48			< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .36		< .23		< .45		< 1.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	< 10		< 14		11		14		< 40.8			< 24.3			64.4		< 24.3		< 24.3		NA			< 33	
Isopropyl ether	0001082	NSE	NSE	< .16		< .2		< .19		< .25		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .1		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	.62		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .64		< .31		< .53		< 2.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .13		< .19		< .28		< 0.49			< 0.17			< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	
Methylene Chloride	0000750	5	0.5	< .22		< .27		< .4		< .48		< 0.36			< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	
Naphthalene	0000912	100	10	< .32		< .31		< .32		< .41		< 2.5			< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .14		< .24		< .18		< 0.40			< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .11		< .2		< .19		< 0.40			< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10	< .2		< .11		< .19		< .17		< 0.35			< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5	< .12		< .18		< .15		< .21		< 0.47			< 0.50			< 0.50		< 0.50		< 0.50		< 0.27			< 0.39	
Toluene	0001088	800	160	< .18		< .16		< .23		< .17		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		1.6			< 0.45	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .12		< .24		< .18		< .57			< .5			< 1		< 1		< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400	< .17		< .16		< .22		< .24		< .5			< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	
Trichloroethene	0000790	5	0.5	< .37		< .16		< .25		< .17		< 0.43			< 0.33			< 0.33		< 0.33		< 0.33		< 0.30			< 0.43	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .17		< .15		< .18		< 0.18			< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	
Xylene - M & P	1796012	2000	400	< .28		< .22		< .46		< .33		< 0.82			< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	
Xylene - O	0000954	2000	400	< .17		< .16		< .22		< .24		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	

384 **MW-114**

DESCRIPTION	CASNUM	ES	PAL	RESULTS MONTH/YEAR 05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	-P 10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40			< .22	< .22	< .21	< .21	< .22	< .21	< 0.44	< 0.44	< 0.44	< 0.50			< 0.50		< 0.50		< 0.50		< 0.36			< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5			< .23	< .23	< .25	< .25	< .23	< .25	< 0.39	< 0.39	< 0.39	< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85			1.2	1.5	1.8	1.2	1.1	1.1	0.97	0.66	1.3	0.95			0.74		0.76		< 0.24		< 0.31			< 0.44	< 0.44
1,1-Dichloroethene	0000753	7	0.7			.46	.47	.54	.44	.55	.3	< 0.43	< 0.43	< 0.43	< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE			< .27	< .27	< .26	< .26	< .27	< .26	< 0.77	< 0.77	< 0.77	< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14			< .32	< .32	< .28	< .28	< .32	< .28	< 2.5	< 2.5	< 2.5	< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7			6.3	6.2	6.5	5.6	5.7	5.1	2.5	1.8	2.3	1.7			2.1		1.2		0.96		1.9			< 0.42	< 0.42
1,2-Dichlorobenzene	0000955	600	60			< .16	< .16	< .19	< .19	< .16	< .19	< 0.44	< 0.44	< 0.44	< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5			< .16	< .16	< .24	< .24	< .16	< .24	< 0.48	< 0.48	< 0.48	< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	< 0.44
1,2-Dichloropropane	0000788	5	0.5			< .22	< .22	< .2	< .2	< .22	< .2	< 0.50	< 0.50	< 0.50	< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20			< .26	< .26	< .19	< .19	< .26	< .19	< 0.37	< 0.37	< 0.37	< 0.24			< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	< 0.48
1,4-Dichlorobenzene	0001064	75	15			< .22	< .22	< .22	< .22	< .22	< .22	< 0.43	< 0.43	< 0.43	< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96			< .18	< .18	< .24	< .24	< .18	< .24	< 0.57	< 0.50	< 0.50	< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96			< .2	< .2	< .25	< .25	< .2	< .25	< 2.5	< 0.50	< 0.50	< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE			< .2	< .2	< .26	< .26	< .2	< .26	< 0.48	< 0.48	< 0.48	< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	< 0.36
Acetone	0000676	9000	1800			< 4.2	4.3	< 4.2	< 4.2	< 4.2	< 4.2	< 2.6	< 2.6	< 2.6	3.5			< 3.0		< 3.0		< 3.0		2.9			< 3	9.1
Benzene	0000714	5	0.5			< .2	< .2	< .26	< .26	< .2	< .26	< 0.50	< 0.50	< 0.50	< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	< 0.46
Chloroethane	0000750	400	80			< 1.5	< 1.5	< 2.1	< 2.1	< 1.5	< 2.1	0.51	< 0.44	0.79	< 0.37			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	< 0.68
Chloroform	0000676	6	0.6			.2	< .2	< .23	< .23	< .2	< .23	< 0.69	< 0.69	< 0.69	< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	< 0.46
Chloromethane	0000748	30	3			< .23	< .23	< .24	< .24	< .23	< .24	< 0.39	< 0.39	< 0.39	< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200			< .29	5.6	8.2	13	14	9.7	9.3	5	6.6	6.4			6.2		5.2		3.2		1.6			< 0.68	< 0.68
Ethylbenzene	0001004	700	140			< .21	< .21	< .22	< .22	< .21	< .22	< 0.50	< 0.50	< 0.50	< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	< 0.34
Fluorotrichloromethane	0000756	3490	698			< .32	< .32	< .25	< .25	< .32	< .25	< 0.48	< 0.48	< 0.48	< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE			< .45	< .45	< .23	< .23	< .45	< .23	< 1.3	< 1.3	< 1.3	< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE			< 8.3	< 8.3	< 6.3	39	8.7	< 6.3	< 40.8	< 40.8	< 40.8	72.8			< 24.3		< 24.3		< 24.3		NA			< 33	60
Isopropyl ether	0001082	NSE	NSE			< .25	< .25	< .19	< .19	< .25	< .19	< 0.50	< 0.50	< 0.50	< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE			< .22	< .22	< .22	< .22	< .22	< .22	< 0.34	< 0.34	< 0.34	< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800			< 1	1.2	< 1	< 1	1.1	< 1	< 2.7	< 2.7	< 2.7	< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	< 0.52
Methyl Isobutyl Ketone	0001081	500	50			< .53	< .53	< .31	< .31	< .53	< .31	< 2.3	< 2.3	< 2.3	< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12			< .28	< .28	< .19	< .19	< .28	< .19	< 0.49	< 0.49	< 0.49	< 0.17			< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5			< .48	< .48	< .4	< .4	< .48	< .4	< 0.36	< 0.36	< 0.36	< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	< 0.86
Naphthalene	0000912	100	10			< .41	< .41	< .32	< .32	< .41	< .32	< 2.5	< 2.5	< 2.5	< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE			< .18	< .18	< .24	< .24	< .18	< .24	< 0.40	< 0.40	< 0.40	< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE			< .19	< .19	< .2	< .2	< .19	< .2	< 0.40	< 0.40	< 0.40	< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	< 0.26
Styrene	0001004	100	10			< .17	< .17	< .19	< .19	< .17	< .19	< 0.35	< 0.35	< 0.35	< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5			< .21	< .21	< .15	< .15	< .21	< .15	< 0.47	< 0.47	< 0.47	< 0.50			< 0.50		< 0.50		< 0.50		< 0.27			< 0.39	< 0.39
Toluene	0001088	800	160			< .17	< .17	< .23	< .23	< .17	< .23	< 0.44	< 0.44	2.2	< 0.50			< 0.50		< 0.50		< 0.50		1.6			< 0.45	< 0.45
Total TriMthBenzenes	TOTALT	480	96			< .18	< .18	< .24	< .24	< .18	< .24	< .57	< .5	< .5	< .5			< 1		< 1		< 1		< .66			< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400			< .24	< .24	< .22	< .22	< .24	< .22	< .5	< .5	< .5	< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	< 1.12
Trichloroethene	0000790	5	0.5			1.8	2.2	2.1	2.3	2.2	2.2	3.0	2.3	2.8	2.8			2.5		1.6		2.0		2.7			2.2	2.3
Vinyl Chloride	0000750	0.2	0.02			*.49*	*.29*	.18	< .15	< .18	< .15	< 0.18	< 0.18	< 0.18	< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	< 0.53
Xylene - M & P	1796012	2000	400			< .33	< .33	< .46	< .46	< .33	< .46	< 0.82	< 0.82	< 0.82	< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	< 0.81
Xylene - O	0000954	2000	400			< .24	< .24	< .22	< .22	< .24	< .22	< 0.50	< 0.50	< 0.50	< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	< 0.31

387 **MW-114A** RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13 -P	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40			< .2	< .22	< .21	< .21	< .22	< .21	< 0.44	< 0.44		< 0.50			< 0.50		< 0.50		< 0.50		< 0.36			0.52	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5			< .17	< .23	< .25	< .25	< .23	< .25	< 0.39	< 0.39		< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85			1.7	2.5	5.5	< .19	2.5	2	2.5	1.7		2.7			2.0		2.1		1.7		2.4			1.5	1.9
1,1-Dichloroethene	0000753	7	0.7			.18	.28	1.1	< .2	.68	< .2	< 0.43	< 0.43		< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE			< .23	< .27	< .26	< .26	< .27	< .26	< 0.77	< 0.77		< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14			< .3	< .32	< .28	< .28	< .32	< .28	< 2.5	< 2.5		< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7			.16	.42	1.8	< .21	.72	< .21	< 0.42	< 0.42		0.51			0.50		0.43		0.59		1.3			0.69	0.76
1,2-Dichlorobenzene	0000955	600	60			< .13	< .16	< .19	< .19	< .16	< .19	< 0.44	< 0.44		< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5			.58	.29	1.3	< .24	.96	.4	< 0.48	< 0.48		0.27			0.22		0.28		< 0.17		< 0.17			< 0.44	< 0.44
1,2-Dichloropropane	0000788	5	0.5			< .21	< .22	< .2	< .2	< .22	< .2	< 0.50	< 0.50		< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20			< .13	< .26	.7	< .19	< .26	< .19	< 0.37	< 0.37		< 0.24			< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	< 0.48
1,4-Dichlorobenzene	0001064	75	15			< .13	< .22	< .22	< .22	< .22	< .22	< 0.43	< 0.43		< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96			< .12	< .18	< .24	< .24	< .18	< .24	< 0.57	< 0.50		< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96			< .12	< .2	< .25	< .25	< .2	< .25	< 2.5	< 0.50		< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE			< .15	< .2	< .26	< .26	< .2	< .26	< 0.48	< 0.48		< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	< 0.36
Acetone	0000676	9000	1800			< 4	< 4.2	< 4.2	4.9	< 4.2	< 4.2	< 2.6	< 2.6		< 3.0			< 3.0		< 3.0		< 3.0		< 0.92			< 1.1	7.4
Benzene	0000714	5	0.5			.17	< .2	.5	< .26	.5	< .26	< 0.50	< 0.50		< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	< 0.46
Chloroethane	0000750	400	80			1.2	< 1.5	3.2	< 2.1	4.8	< 2.1	< 0.44	< 0.44		< 0.37			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	< 0.68
Chloroform	0000676	6	0.6			.17	< .2	< .23	< .23	< .2	< .23	< 0.69	< 0.69		< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	< 0.46
Chloromethane	0000748	30	3			< .28	< .23	< .24	< .24	< .23	< .24	< 0.39	< 0.39		< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200			.2	< .29	.23	< .19	.61	< .19	< 0.40	< 0.40		0.18			0.27		0.28		0.32		< 0.13			< 0.68	< 0.68
Ethylbenzene	0001004	700	140			< .12	< .21	< .22	< .22	< .21	< .22	< 0.50	< 0.50		< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	< 0.34
Fluorotrichloromethane	0000756	3490	698			< .11	< .32	< .25	< .25	< .32	< .25	< 0.48	< 0.48		< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE			< .36	< .45	< .23	< .23	< .45	< .23	< 1.3	< 1.3		< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE			< 14	< 8.3	7	8.3	< 8.3	< 6.3	< 40.8	< 40.8		38.1			< 24.3		< 24.3		< 24.3		NA			< 100	< 33
Isopropyl ether	0001082	NSE	NSE			< .2	< .25	< .19	< .19	< .25	< .19	< 0.50	< 0.50		< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE			< .1	< .22	< .22	< .22	< .22	< .22	< 0.34	< 0.34		< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800			< 1	< 1	< 1	< 1	< 1	< 1	< 2.7	< 2.7		< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	< 0.52
Methyl Isobutyl Ketone	0001081	500	50			23	< .53	5.2	< .31	.77	< .31	< 2.3	< 2.3		< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12			< .13	< .28	< .19	< .19	< .28	< .19	< 0.49	< 0.49		< 0.17			< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5			< .27	< .48	< .4	< .4	< .48	< .4	< 0.36	< 0.36		< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	< 0.86
Naphthalene	0000912	100	10			< .31	< .41	< .32	< .32	< .41	< .32	< 2.5	< 2.5		< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE			< .14	< .18	< .24	< .24	< .18	< .24	< 0.40	< 0.40		< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE			< .11	< .19	< .2	< .2	< .19	< .2	< 0.40	< 0.40		< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	< 0.26
Styrene	0001004	100	10			< .11	< .17	< .19	< .19	< .17	< .19	< 0.35	< 0.35		< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5			< .18	< .21	.15	< .15	.34	< .15	1.4	0.51		3.5			***10.3***		***13.4***		***23.0***		***19***			***20***	***17***
Toluene	0001088	800	160			.8	.22	3.1	< .23	4.8	.25	< 0.44	< 0.44		< 0.50			< 0.50		< 0.50		< 0.50		0.86			< 0.45	< 0.45
Total TriMthBenzenes	TOTALT	480	96			< .12	< .18	< .24	< .24	< .18	< .24	< .57	< .5		< .5			< 1		< 1		< 1		< .66			< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400			< .16	< .24	< .22	< .22	< .24	< .22	< .5	< .5		< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	< 1.12
Trichloroethene	0000790	5	0.5			2.7	2.8	2.2	< .25	3.1	1.8	4.1	4.3		4.1			4.2		4.2		***5.1***		***5.8***			4.8	***6.4***
Vinyl Chloride	0000750	0.2	0.02			< .17	< .18	***.44***	< .15	***.35***	< .15	0.20	< 0.18		0.18			< 0.18		***0.23***		< 0.18		< 0.20			< 0.53	< 0.53
Xylene - M & P	1796012	2000	400			< .22	< .33	< .46	< .46	< .33	< .46	< 0.82	< 0.82		< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	< 0.81
Xylene - O	0000954	2000	400			< .16	< .24	< .22	< .22	< .24	< .22	< 0.50	< 0.50		< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	< 0.31

390 **MW-114B** RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	-P	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40			< .2	< .22	< .22	< .21	< .22	< .21	< 0.44	< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.36			< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5			< .17	< .23	< .23	< .25	< .23	< .25	< 0.39	< 0.39			< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85			< .16	.85	.31	1.8	< .21	< .19	< 0.28	< 0.28			< 0.16			< 0.24		< 0.24		< 0.24		< 0.31			< 0.44	< 0.44
1,1-Dichloroethene	0000753	7	0.7			< .15	.25	< .21	< .2	< .21	< .2	< 0.43	< 0.43			< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE			< .23	< .27	< .27	< .26	< .27	< .26	< 0.77	< 0.77			< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14			< .3	< .32	< .32	< .28	< .32	< .28	< 2.5	< 2.5			< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7			< .12	.56	< .2	< .21	.32	< .21	< 0.42	< 0.42			< 0.26			< 0.26		< 0.26		< 0.26		< 0.25			< 0.42	< 0.42
1,2-Dichlorobenzene	0000955	600	60			< .13	< .16	< .16	< .19	< .16	< .19	< 0.44	< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5			< .22	< .16	< .16	.35	< .16	< .24	< 0.48	< 0.48			< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	< 0.44
1,2-Dichloropropane	0000788	5	0.5			< .21	< .22	< .22	< .2	< .22	< .2	< 0.50	< 0.50			< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20			< .13	< .26	< .26	< .19	< .26	< .19	< 0.37	< 0.37			< 0.24			< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	< 0.48
1,4-Dichlorobenzene	0001064	75	15			< .13	< .22	< .22	< .22	< .22	< .22	< 0.43	< 0.43			< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96			< .12	< .18	< .18	< .24	< .18	< .24	< 0.57	< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96			< .12	< .2	< .2	< .25	< .2	< .25	< 2.5	< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE			< .15	< .2	< .2	< .26	< .2	< .26	< 0.48	< 0.48			< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	< 0.36
Acetone	0000676	9000	1800			< 4	< 4.2	< 4.2	< 4.2	9	< 4.2	< 2.6	< 2.6			3.3			< 3.0		< 3.0		< 3.0		< 0.92			< 3	9.4
Benzene	0000714	5	0.5			< .13	< .2	< .2	< .26	< .2	< .26	< 0.50	< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	< 0.46
Chloroethane	0000750	400	80			< .67	< 1.5	< 1.5	< 2.1	< 1.5	< 2.1	< 0.44	< 0.44			< 0.37			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	< 0.68
Chloroform	0000676	6	0.6			.3	< .2	< .2	< .23	< .2	< .23	< 0.69	< 0.69			< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	< 0.46
Chloromethane	0000748	30	3			< .28	< .23	< .23	< .24	< .23	< .24	< 0.39	< 0.39			< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200			< .13	< .29	< .29	< .19	< .29	< .19	< 0.40	< 0.40			< 0.16			< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	< 0.68
Ethylbenzene	0001004	700	140			< .12	< .21	< .21	< .22	< .21	< .22	< 0.50	< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	< 0.34
Fluorotrichloromethane	0000756	3490	698			< .11	< .32	< .32	< .25	< .32	< .25	< 0.48	< 0.48			< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE			< .36	< .45	< .45	< .23	< .45	< .23	< 1.3	< 1.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE			< 14	9.9	13	21	14	< 6.3	< 40.8	< 40.8			39.9			< 24.3		< 24.3		< 24.3		NA			< 33	< 33
Isopropyl ether	0001082	NSE	NSE			< .2	< .25	< .25	< .19	< .25	< .19	< 0.50	< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE			< .1	< .22	< .22	< .22	< .22	< .22	< 0.34	< 0.34			< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800			< 1	< 1	< 1	< 1	< 1	< 1	< 2.7	< 2.7			< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	< 0.52
Methyl Isobutyl Ketone	0001081	500	50			2.6	< .53	< .53	< .31	< .53	< .31	< 2.3	< 2.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12			< .13	< .28	< .28	< .19	< .28	< .19	< 0.49	< 0.49			< 0.17			< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5			< .27	< .48	< .48	< .4	< .48	< .4	< 0.36	< 0.36			< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	< 0.86
Naphthalene	0000912	100	10			< .31	< .41	< .41	< .32	< .41	< .32	< 2.5	< 2.5			< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE			< .14	< .18	< .18	< .24	< .18	< .24	< 0.40	< 0.40			< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE			< .11	< .19	< .19	< .2	< .19	< .2	< 0.40	< 0.40			< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	< 0.26
Styrene	0001004	100	10			< .11	< .17	< .17	< .19	< .17	< .19	< 0.35	< 0.35			< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5			< .18	< .21	< .21	< .15	< .21	< .15	< 0.47	< 0.47			< 0.50			< 0.50		< 0.50		< 0.50		< 0.27			< 0.39	< 0.39
Toluene	0001088	800	160			< .16	.18	< .17	< .23	< .17	< .23	< 0.44	< 0.44			< 0.50			< 0.50		< 0.50		0.83		0.82			< 0.45	< 0.45
Total TriMthBenzenes	TOTALT	480	96			< .12	< .18	< .18	< .24	< .18	< .24	< .57	< .5			< .5			< 1		< 1		< 1		< .66			< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400			< .16	< .24	< .24	< .22	< .24	< .22	< .5	< .5			< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	< 1.12
Trichloroethene	0000790	5	0.5			< .16	< .17	< .17	1.9	.34	.32	< 0.43	< 0.36			< 0.33			< 0.33		< 0.33		< 0.33		< 0.30			< 0.43	< 0.43
Vinyl Chloride	0000750	0.2	0.02			< .17	< .18	< .18	< .15	< .18	< .15	< 0.18	< 0.18			< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	< 0.53
Xylene - M & P	1796012	2000	400			< .22	< .33	< .33	< .46	< .33	< .46	< 0.82	< 0.82			< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	< 0.81
Xylene - O	0000954	2000	400			< .16	< .24	< .24	< .22	< .24	< .22	< 0.50	< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	< 0.31

393 **MW-115**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40			< 11	< 17	< 11	< 10	< 17	< 21	< 11.1	< 2.2		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 20.0	< 2.0	< 0.36		< 0.36	< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5			< 11	< 18	< 11	< 13	< 18	< 25	< 9.7	< 1.9		< 1.6	< 1.6		< 2.0	< 2.0	< 2.0	< 2.0	< 7.9	1.6	< 0.40		< 0.4	< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85			***870***	***1100***	***980***	***1200***	67	26	20.1	614		***1280***	763		658	74.8	64.3	78.3	56.8	139	76		130	120	100
1,1-Dichloroethene	0000753	7	0.7			***330***	***320***	***230***	< 10	< 17	< 20	< 10.7	***54.3***		***34.3***	***125***		***72.0***	***11.6***	***8.4***	***9.0***	< 16.4	***10.4***	2.0		< 0.28	5.2	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE			< 14	< 22	< 14	< 13	< 22	< 26	< 19.2	< 3.8		< 21.3	< 21.3		< 21.3	< 21.3	< 21.3	< 21.3	< 85.3	< 8.5	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14			< 16	< 25	< 16	< 14	< 25	< 28	< 62.5	< 12.5		< 22.1	< 22.1		< 22.1	< 22.1	< 22.1	< 22.1	< 88.4	< 8.8	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7			***700***	***720***	***590***	19	< 16	< 21	11.9	***246***		***187***	***650***		***394***	40.9	21.9	35.5	26.3	***103***	15		***160***	65	18
1,2-Dichlorobenzene	0000955	600	60			< 7.9	< 13	< 7.9	< 9.3	< 13	< 19	< 11.0	< 2.2		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 20.0	< 2.0	< 0.22		< 0.22	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5			***57***	***57***	***49***	***76***	***77***	***72***	***95.4***	***67.7***		***117***	***96.8***		***104***	***91.4***	***83.0***	***91.8***	***76.2***	***71.6***	***60***		< 0.17	***58***	***58***
1,2-Dichloropropane	0000788	5	0.5			***22***	***27***	***24***	***36***	***26***	< 20	***16.4***	***22.2***		***43.6***	***26.8***		***26.5***	***8.6***	***5.5***	***7.2***	< 9.3	***7.7***	< 0.25		< 0.25	< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20			***250***	***170***	97	***150***	***170***	***110***	***122***	***108***		***170***	***132***		***184***	***237***	***220***	***227***	***105***	***157***	100		95	85	73
1,4-Dichlorobenzene	0001064	75	15			< 11	< 18	< 11	< 11	< 18	< 22	< 10.9	< 2.2		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 20.0	< 2.0	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96			< 9.1	< 14	< 9.1	< 12	< 14	< 24	< 14.3	< 2.5		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 20.0	< 2.0	< 0.37		< 0.37	< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96			< 9.8	< 16	< 9.8	< 13	< 16	< 25	< 62.5	< 2.5		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 20.0	< 2.0	< 0.29		< 0.29	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE			< 10	< 16	< 10	< 13	< 16	< 26	< 11.9	< 2.4		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 20.0	< 2.0	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800			< 210	< 330	380	< 210	< 330	< 420	67.1	20.5		36.5	41.2		< 29.5	< 29.5	< 29.5	< 29.5	< 118	< 11.8	5.5		< 0.92	< 1.1	< 6.2
Benzene	0000714	5	0.5			< 9.8	< 16	< 9.8	< 13	< 16	< 26	< 12.5	***5.3***		***8.4***	***7.8***		***9.3***	***9.9***	***8.6***	***11.0***	< 20.0	***10.8***	***10***		< 0.3	***11***	***10***
Chloroethane	0000750	400	80			< 76	< 120	< 76	< 100	***1000***	***790***	***1270***	***404***		290	***572***		***692***	***1190***	***1100***	***1290***	***692***	***1060***	***1100***		***1200***	380	***1100***
Chloroform	0000676	6	0.6			< 10	< 16	< 10	< 11	< 16	< 23	< 17.2	< 3.4		< 25.0	< 25.0		< 25.0	< 25.0	< 25.0	< 25.0	< 100	< 10.0	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3			< 12	< 19	< 12	< 12	< 19	< 24	< 9.7	< 1.9		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 20.0	< 2.0	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200			< 14	< 23	< 14	< 9.5	< 23	< 19	< 10.0	< 2.0		< 1.6	< 2.0		< 2.2	< 2.2	< 2.2	< 2.2	< 9.0	< 0.90	< 0.13		< 0.13	< 0.68	< 0.68
Ethylbenzene	0001004	700	140			< 10	< 17	< 10	< 11	< 17	< 22	< 12.5	< 2.5		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 20.0	< 2.0	0.67		< 0.4	< 0.34	< 0.34
Fluorotrichloromethane	0000756	3490	698			< 16	< 25	< 16	< 13	< 25	< 25	< 11.9	< 2.4		< 1.7	< 1.7		< 1.8	< 1.8	< 1.8	< 1.8	< 7.4	< 0.74	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE			< 22	< 36	< 22	< 11	< 36	< 23	< 31.4	< 6.3		< 21.1	< 21.1		< 21.1	< 21.1	< 21.1	< 21.1	< 84.2	< 8.4	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE			< 410	< 660	< 410	< 320	< 660	< 630	< 1020	< 204		< 243	< 243		< 243	< 243	< 243	< 243	< 974	< 97.4	NA		< 33	< 33	< 33
Isopropyl ether	0001082	NSE	NSE			< 12	< 20	< 12	< 9.5	< 20	< 19	< 12.5	< 2.5		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 20.0	< 2.0	< 0.13		< 0.13	< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE			< 11	< 17	< 11	< 11	< 17	< 22	< 8.5	< 1.7		< 1.2	< 1.4		< 1.4	< 1.4	< 1.4	< 1.4	< 5.7	< 0.57	0.50		< 0.31	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800			110	110	180	99	< 80	< 100	< 67.5	< 13.5		< 29.8	< 29.8		< 29.8	< 29.8	< 29.8	< 29.8	< 119	< 11.9	< 0.58		< 0.58	< 0.52	< 0.52
Methyl Isobutyl Ketone	0001081	500	50			***1800***	***1900***	***2700***	***2800***	***2900***	***2800***	***3960***	***802***		***1200***	220		144	43.8	30.5	30.0	< 85.6	13.2	4.2		< 0.11	3.4	< 0.52
Methyl tert-butyl Ether	0016340	60	12			< 14	< 23	< 14	< 9.5	< 23	< 19	< 12.3	< 2.5		< 1.7	< 1.7		< 1.7	< 1.7	< 1.7	< 1.7	< 7.0	< 0.70	< 0.12		< 0.12	< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5			< 24	< 38	< 24	< 20	< 38	< 40	< 9.0	3.5		4.9	***5.8***		3.9	< 2.3	3.1	2.7	< 9.3	< 0.93	1.5		< 0.56	< 0.86	< 0.86
Naphthalene	0000912	100	10			< 20	< 32	< 20	< 16	< 32	< 32	< 62.5	< 12.5		< 25.0	< 25.0		< 25.0	< 25.0	< 25.0	< 25.0	< 100	< 10.0	0.26		< 0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE			< 9.1	< 14	< 9.1	< 12	< 14	< 24	< 10	< 2.0		< 2.2	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 20.0	< 2.0	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE			< 9.5	< 15	< 9.5	< 10	< 15	< 20	< 9.9	< 2.0		< 1.3	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 20.0	< 2.0	0.39		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10			< 8.6	< 14	< 8.6	< 9.7	< 14	< 19	< 8.7	< 1.7		< 1.5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 20.0	< 2.0	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5			< 10	< 16	< 10	< 7.3	< 16	< 15	< 11.8	< 2.4		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 20.0	< 2.0	< 0.27		< 0.27	< 0.39	< 0.39
Toluene	0001088	800	160			81	72	45	71	85	71	68.8	68.1		103	79.6		105	109	101	98.9	68.0	138	88		100	94	63
Total TriMthBenzenes	TOTALT	480	96			< 9.1	< 14	< 9.1	< 12	< 14	< 24	< 14.3	< 2.5		< 5	< 10		< 10	< 10	< 10	< 10	< 40	< 4	< .66		< .66	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400			< 12	< 19	< 12	< 11	< 19	< 22	< 12.5	< 2.5		< 10	< 15		< 15	< 15	< 15	< 15	< 60	< 6	4.1		< 1.33	4	3.6
Trichloroethene	0000790	5	0.5			< 8.4	< 13	< 8.4	< 12	***16***	< 25	< 10.7	< 1.8		< 3.3	< 3.3		< 3.3	< 3.3	< 3.3	< 3.3	< 13.2	2.9	1.6		< 0.3	2.8	< 0.43
Vinyl Chloride	0000750	0.2	0.02			***120***	***170***	***130***	***33***	< 15	< 15	< 4.6	***71.8***		***42.4***	***163***		***91.3***	***37.5***	***32.1***	***48.6***	***24.3***	***58.9***	***7.1***		***57***	***35***	***15***
Xylene - M & P	1796012	2000	400			< 17	< 27	< 17	< 23	< 27	< 46	< 20.4	< 4.1		< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 40.0	< 4.0	1.7		< 0.98	< 0.81	< 0.81
Xylene - O	0000954	2000	400			< 12	< 19	< 12	< 11	< 19	< 22	< 12.5	< 2.5		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 20.0	2.2	2.4		< 0.35	4	3.6

396 **MW-115A**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40			< 2.7	< 2.7	< 2.7	< 2.6	< 2.7	< 4.1	< 2.2	< 1.8		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1.0	< 0.36		< 0.36	< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5			***5.7***	***7.4***	***5.5***	***8.2***	***7.7***	***9.1***	***8.2***	***9.8***		***7.9***	***5.9***		4.4	< 0.99	***5.5***	***8.4***	***14.2***	***27.0***	***32***		< 0.4	***28***	***34***
1,1-Dichloroethane	0000753	850	85			51	77	86	92	110	110	166	110		88.4	63.7		80.7	59.7	132	207	222	556	460		700	410	480
1,1-Dichloroethene	0000753	7	0.7			***27***	***38***	***44***	***60***	***74***	***70***	***84.1***	***76.5***		***53.8***	***44.7***		***47.3***	***36.9***	***68.2***	***105***	***43.7***	***261***	***220***		***360***	***180***	***230***
1,2,3-Trichlorobenzene	0000876	NSE	NSE			< 3.4	< 3.4	< 3.4	< 3.3	< 3.4	< 5.2	< 3.8	< 3.1		< 10.7	< 5.3		< 10.7	< 10.7	< 10.7	< 10.7	< 10.7	< 4.3	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14			< 4	< 4	< 4	< 3.5	< 4	< 5.6	< 12.5	< 10.0		< 11.0	< 5.5		< 11.0	< 11.0	< 11.0	< 11.0	< 11.0	< 4.4	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7			***140***	***150***	***140***	***180***	***240***	***280***	***463***	***453***		***374***	***296***		***341***	***272***	***643***	***1060***	***1110***	***2110***	***2400***		***3700***	***2100***	***2300***
1,2-Dichlorobenzene	0000955	600	60			< 2	< 2	< 2	< 2.3	< 2	< 3.7	< 2.2	< 1.8		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1.0	< 0.22		< 0.22	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5			< 2.1	< 2.1	< 2.1	< 3.1	2.8	< 4.9	4.1	3.2		2.5	1.7		< 0.84	< 0.84	3.3	***6.2***	***9.8***	***18.1***	***21***		< 0.17	***16***	***14***
1,2-Dichloropropane	0000788	5	0.5			< 2.7	< 2.7	< 2.7	3.2	3.2	< 3.9	4.6	4.3		3.5	2.3		< 1.2	< 1.2	4.3	***6.9***	***11.0***	***21.0***	***27***		< 0.25	***23***	***25***
1,2-trans-Dichloroethene	0001566	100	20			40	46	42	38	39	33	34.2	26.8		19.9	19.9		26.2	16.7	24.0	22.2	68.2	68.0	72		< 0.28	46	51
1,4-Dichlorobenzene	0001064	75	15			< 2.8	< 2.8	< 2.8	< 2.7	< 2.8	< 4.4	< 2.2	< 1.7		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1.0	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96			< 2.3	< 2.3	< 2.3	< 3	< 2.3	< 4.7	< 2.9	< 2.0		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1.0	< 0.37		< 0.37	< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96			< 2.5	< 2.5	< 2.5	< 3.2	< 2.5	< 5.1	< 12.5	< 2.0		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1.0	< 0.29		< 0.29	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE			< 2.5	< 2.5	< 2.5	< 3.2	< 2.5	< 5.1	< 2.4	< 1.9		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1.0	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800			< 52	< 52	< 52	< 52	< 52	< 83	< 12.9	< 10.4		< 14.8	< 7.4		< 14.8	< 14.8	< 14.8	< 14.8	< 14.8	< 5.9	< 0.92		< 0.92	< 1.1	< 6.2
Benzene	0000714	5	0.5			< 2.4	< 2.4	< 2.4	< 3.2	< 2.4	< 5.1	< 2.5	< 2.0		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1.0	1.3		< 0.3	< 0.46	< 0.46
Chloroethane	0000750	400	80			< 19	< 19	< 19	< 26	< 19	< 41	< 2.2	< 1.8		< 1.9	< 0.94		< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	15.3	< 0.29		< 0.29	8.6	7.1
Chloroform	0000676	6	0.6			< 2.5	< 2.5	< 2.5	< 2.8	< 2.5	< 4.5	< 3.4	< 2.8		< 12.5	< 6.2		< 12.5	< 12.5	< 12.5	< 12.5	< 12.5	< 5.0	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3			< 2.9	< 2.9	< 2.9	< 3	< 2.9	< 4.8	< 1.9	< 1.6		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1.0	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200			< 3.6	< 3.6	< 3.6	< 2.4	< 3.6	< 3.8	< 2.0	< 1.6		< 0.78	< 0.51		< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 0.45	< 0.13		< 0.13	< 0.68	< 0.68
Ethylbenzene	0001004	700	140			< 2.6	< 2.6	< 2.6	< 2.7	< 2.6	< 4.3	< 2.5	< 2.0		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1.0	0.61		< 0.4	< 0.34	< 0.34
Fluorotrichloromethane	0000756	3490	698			< 4	< 4	< 4	< 3.2	< 4	< 5.1	< 2.4	< 1.9		< 0.86	< 0.43		< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.37	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE			< 5.6	< 5.6	< 5.6	< 2.8	< 5.6	< 4.5	< 6.3	< 5.0		< 10.5	< 5.3		< 10.5	< 10.5	< 10.5	< 10.5	< 10.5	< 4.2	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE			110	< 100	< 100	< 79	< 100	< 130	< 204	< 163		< 122	< 60.9		< 122	< 122	< 122	< 122	< 122	< 48.7	NA		< 33	< 33	< 33
Isopropyl ether	0001082	NSE	NSE			< 3.1	< 3.1	< 3.1	< 2.4	< 3.1	< 3.8	< 2.5	< 2.0		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1.0	< 0.13		< 0.13	< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE			< 2.7	< 2.7	< 2.7	< 2.8	< 2.7	< 4.4	< 1.7	< 1.4		< 0.58	< 0.36		< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.29	< 0.31		< 0.31	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800			< 13	< 13	< 13	< 13	< 13	< 20	< 13.5	< 10.8		< 14.9	< 7.4		< 14.9	< 14.9	< 14.9	< 14.9	< 14.9	< 6.0	< 0.58		< 0.58	< 0.52	< 0.52
Methyl Isobutyl Ketone	0001081	500	50			< 6.6	< 6.6	< 6.6	< 3.9	< 6.6	< 6.3	< 11.7	< 9.4		< 10.7	< 5.4		< 10.7	< 10.7	< 10.7	< 10.7	< 10.7	< 4.3	< 0.11		< 0.11	< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12			< 3.5	< 3.5	< 3.5	< 2.4	< 3.5	< 3.8	< 2.5	< 2.0		< 0.87	< 0.44		< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.35	< 0.12		< 0.12	< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5			< 6	< 6	< 6	< 5	< 6	< 8	< 1.8	< 1.4		< 1.2	< 0.58		< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.47	0.75		< 0.56	< 0.86	< 0.86
Naphthalene	0000912	100	10			< 5.1	< 5.1	< 5.1	< 4	< 5.1	< 6.4	< 12.5	< 10.0		< 12.5	< 6.2		< 12.5	< 12.5	< 12.5	< 12.5	< 12.5	< 5.0	< 0.18		< 0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE			< 2.3	< 2.3	< 2.3	< 3.1	< 2.3	< 4.9	< 2.0	< 1.6		< 1.1	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1.0	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE			< 2.4	< 2.4	< 2.4	< 2.5	< 2.4	< 4.1	< 2.0	< 1.6		< 0.63	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1.0	< 0.14		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10			< 2.1	< 2.1	< 2.1	< 2.4	< 2.1	< 3.9	< 1.7	< 1.4		< 0.77	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1.0	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5			< 2.6	< 2.6	< 2.6	< 1.8	< 2.6	< 2.9	< 2.4	< 1.9		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1.0	< 0.27		< 0.27	< 0.39	2
Toluene	0001088	800	160			< 2.1	< 2.1	< 2.1	< 2.9	< 2.1	< 4.6	< 2.2	< 1.8		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5	2.8	< 1.0	5.5		< 0.37	< 0.45	4
Total TriMthBenzenes	TOTALT	480	96			< 2.3	< 2.3	< 2.3	< 3	< 2.3	< 4.7	< 12.5	< 2		< 2.5	< 2.4		< 5	< 5	< 5	< 5	< 5	< 2	< .66		< .66	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400			< 3	< 3	< 3	< 2.8	< 3	< 4.5	< 2.5	< 2		< 2.5	< 3.7		< 7.5	< 7.5	< 7.5	< 7.5	< 7.5	< 3	2.48		< 1.33	< 1.12	< 1.12
Trichloroethene	0000790	5	0.5			***25***	***27***	***25***	***30***	***39***	***60***	***99.6***	***176***		***201***	***192***		***218***	***119***	***95.8***	***103***	***78.2***	***161***	***130***		***160***	***76***	***95***
Vinyl Chloride	0000750	0.2	0.02			***3.9***	***4.2***	***4***	***4.3***	***6.1***	***4.6***	***5.7***	***5***		***5.8***	***2.4***		***3.4***	***3.0***	***4.9***	***5.5***	***5.2***	***13.0***	***15***		< 0.2	***36***	***18***
Xylene - M & P	1796012	2000	400			< 4.2	< 4.2	< 4.2	< 5.7	< 4.2	< 9.1	< 4.1	< 3.3		< 5.0	< 2.5		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	1.7		< 0.98	< 0.81	< 0.81
Xylene - O	0000954	2000	400			< 3	< 3	< 3	< 2.8	< 3	< 4.5	< 2.5	< 2.0		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1.0	0.78		< 0.35	< 0.31	< 0.31

399 **MW-115B**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40			< .22	< .22	< .22	< .21	< .22	< .21	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.36		< 0.36	< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5			< .23	< .23	< .23	< .25	< .23	< .25	< 0.39	< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20	***7.1***	< 0.20	< 0.40		< 0.4	< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85			.36	.39	.46	.32	.56	.43	0.57	0.31		0.37	1.6		0.86	0.39	0.57	0.26	156	0.42	< 0.31		< 0.31	< 0.44	< 0.44
1,1-Dichloroethene	0000753	7	0.7			< .21	< .21	< .21	< .2	.31	< .2	< 0.43	< 0.43		< 0.41	0.84		< 0.41	< 0.41	< 0.41	< 0.41	***37.0***	< 0.41	< 0.28		< 0.28	< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE			< .27	< .27	< .27	< .26	< .27	< .26	< 0.77	< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 21.3	< 2.1	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14			< .32	< .32	< .32	< .28	< .32	< .28	< 2.5	< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2	< 22.1	< 2.2	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7			.77	.78	.86	.63	1.2	.88	0.85	0.62		0.61	3.6		1.2	0.46	2.3	0.51	***588***	0.54	2.2		5.7	< 0.42	< 0.42
1,2-Dichlorobenzene	0000955	600	60			< .16	< .16	< .16	< .19	< .16	< .19	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.22		< 0.22	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5			< .16	< .16	< .16	< .24	< .16	< .24	< 0.48	< 0.48		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17	< 1.7	< 0.17	< 0.17		< 0.17	< 0.44	< 0.44
1,2-Dichloropropane	0000788	5	0.5			< .22	< .22	< .22	< .2	< .22	< .2	< 0.50	< 0.50		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23	***5.7***	< 0.23	< 0.25		< 0.25	< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20			< .26	< .26	< .26	< .19	< .26	< .19	< 0.37	< 0.37		< 0.24	0.58		0.49	< 0.26	0.66	< 0.26	10.2	< 0.26	< 0.28		< 0.28	< 0.48	< 0.48
1,4-Dichlorobenzene	0001064	75	15			< .22	< .22	< .22	< .22	< .22	< .22	< 0.43	< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96			< .18	< .18	< .18	< .24	< .18	< .24	< 0.57	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.37		< 0.37	< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96			< .2	< .2	< .2	< .25	< .2	< .25	< 2.5	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.29		< 0.29	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE			< .2	< .2	< .2	< .26	< .2	< .26	< 0.48	< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800			< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 2.6	< 2.6		< 3.0	< 3.0		13.3	< 3.0	< 3.0	< 3.0	< 29.5	< 3.0	< 0.92		< 0.92	< 3	< 6.2
Benzene	0000714	5	0.5			< .2	< .2	< .2	< .26	< .2	< .26	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.30		< 0.3	< 0.46	< 0.46
Chloroethane	0000750	400	80			< 1.5	< 1.5	< 1.5	< 2.1	< 1.5	< 2.1	< 0.44	< 0.44		< 0.37	< 0.37		0.82	0.59	0.72	< 0.37	< 3.7	< 0.37	< 0.29		< 0.29	< 0.68	1.2
Chloroform	0000676	6	0.6			.58	< .2	< .2	< .23	< .2	< .23	< 0.69	< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 25.0	< 2.5	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3			< .23	< .23	< .23	< .24	< .23	< .24	< 0.39	< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200			< .29	< .29	< .29	< .19	< .29	< .19	< 0.40	< 0.40		< 0.16	< 0.20		< 0.22	< 0.22	< 0.22	< 0.22	< 2.2	< 0.22	< 0.13		< 0.13	< 0.68	< 0.68
Ethylbenzene	0001004	700	140			< .21	< .21	< .21	< .22	< .21	< .22	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.40		< 0.4	< 0.34	< 0.34
Fluorotrichloromethane	0000756	3490	698			< .32	< .32	< .32	< .25	< .32	< .25	< 0.48	< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18	< 1.8	< 0.18	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE			< .45	< .45	< .45	< .23	< .45	< .23	< 1.3	< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 21.1	< 2.1	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE			< 8.3	< 8.3	< 8.3	18	12	< 6.3	< 40.8	< 40.8		< 24.3	< 24.3		229	< 24.3	< 24.3	< 24.3	< 243	49.0	NA		< 33	< 100	39
Isopropyl ether	0001082	NSE	NSE			< .25	< .25	< .25	< .19	< .25	< .19	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.13		< 0.13	< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE			< .22	< .22	< .22	< .22	< .22	< .22	< 0.34	< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14	< 1.4	< 0.14	< 0.31		< 0.31	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800			< 1	< 1	< 1	< 1	< 1	< 1	< 2.7	< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0	< 29.8	< 3.0	< 0.58		< 0.58	< 0.52	< 0.52
Methyl Isobutyl Ketone	0001081	500	50			< .53	< .53	< .53	< .31	< .53	< .31	< 2.3	< 2.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	< 21.4	< 2.1	< 0.11		< 0.11	< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12			< .28	< .28	< .28	< .19	< .28	< .19	< 0.49	< 0.49		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17	< 1.7	< 0.17	< 0.12		< 0.12	< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5			< .48	< .48	< .48	< .4	< .48	< .4	< 0.36	< 0.36		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23	< 2.3	< 0.23	< 0.56		< 0.56	< 0.86	< 0.86
Naphthalene	0000912	100	10			< .41	< .41	< .41	< .32	< .41	< .32	< 2.5	< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	< 25.0	< 2.5	< 0.18		< 0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE			< .18	< .18	< .18	< .24	< .18	< .24	< 0.40	< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE			< .19	< .19	< .19	< .2	< .19	< .2	< 0.40	< 0.40		< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.14		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10			< .17	< .17	< .17	< .19	< .17	< .19	< 0.35	< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5			< .21	< .21	< .21	< .15	< .21	< .15	< 0.47	< 0.47		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.27		< 0.27	< 0.39	< 0.39
Toluene	0001088	800	160			< .17	< .17	< .17	< .23	< .17	< .23	< 0.44	< 0.44		< 0.50	0.64		0.69	1.1	< 0.50	< 0.50	< 5.0	0.51	1.0		< 0.37	1.2	4.8
Total TriMthBenzenes	TOTALT	480	96			< .12	< .18	< .24	< .24	< .18	< .24	< .57	< .5		< .5	< 1		< 1	< 1	< 1	< 1	< 10	< 1	< .66		< .66	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400			< .16	< .24	< .22	< .22	< .24	< .22	< .5	< .5		< .5	< 1.5		< 1.5	< 1.5	< 1.5	< 1.5	< 15	< 1.5	< 1.33		< 1.33	< 1.12	< 1.12
Trichloroethene	0000790	5	0.5			1.5	1.7	1.9	1.6	2.2	2.4	2.0	1.9		1.6	3.7		1.9	1.6	2.1	1.3	***38.8***	1.2	1.4		1.9	0.87	0.81
Vinyl Chloride	0000750	0.2	0.02			< .18	< .18	< .18	< .15	< .18	< .15	< 0.18	< 0.18		< 0.18	< 0.18		< 0.18	< 0.18	< 0.18	< 0.18	***61.5***	< 0.18	< 0.20		< 0.2	< 0.53	< 0.53
Xylene - M & P	1796012	2000	400			< .22	< .33	< .46	< .46	< .33	< .46	< 0.82	< 0.82		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 10.0	< 1.0	< 0.98		< 0.98	< 0.81	< 0.81
Xylene - O	0000954	2000	400			< .24	< .24	< .24	< .22	< .24	< .22	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.35		< 0.35	< 0.31	< 0.31

40 **Lowes Creek Park Hand Pump**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .13		< .2		< .21		< .21										< 0.50								
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .17		< .25		< .25										< 0.20								
1,1-Dichloroethane	0000753	850	85	< .17		< .16		< .19		< .19										< 0.24								
1,1-Dichloroethene	0000753	7	0.7	< .22		< .15		< .2		< .2										< 0.41								
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .23		< .26		< .26										< 2.1								
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .3		< .28		< .28										< 2.2								
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .12		< .21		< .21										< 0.26								
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .19		< .19										< 0.50								
1,2-Dichloroethane	0001070	5	0.5	< .15		< .22		< .24		< .24										< 0.17								
1,2-Dichloropropane	0000788	5	0.5	< .33		< .21		< .2		< .2										< 0.23								
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .13		< .19		< .19										< 0.26								
1,4-Dichlorobenzene	0001064	75	15	< .3		< .13		< .22		< .22										< 0.50								
124TRIMTHLBENZEN	0000956	480	96	< .19		< .12		< .24		< .24										< 0.50								
135TRIMTHLBENZEN	0001086	480	96	< .19		< .12		< .25		< .25										< 0.50								
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .15		< .26		< .26										< 0.50								
Acetone	0000676	9000	1800	13		5.2		< 4.2		7.1										< 3.0								
Benzene	0000714	5	0.5	< .24		< .13		< .26		< .26										< 0.50								
Chloroethane	0000750	400	80	< 1.1		< .67		< 2.1		< 2.1										< 0.37								
Chloroform	0000676	6	0.6	< .13		< .13		< .23		< .23										< 2.5								
Chloromethane	0000748	30	3	< .23		< .28		< .24		< .24										< 0.50								
Dichlorodifluoromethan	0000757	1000	200	< .25		< .13		< .19		< .19										< 0.22								
Ethylbenzene	0001004	700	140	< .15		< .12		< .22		< .22										< 0.50								
Fluorotrichloromethane	0000756	3490	698	< .21		< .11		< .25		< .25										< 0.18								
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .36		< .23		< .23										< 2.1								
Isopropyl Alcohol	0000676	NSE	NSE	< 10		< 14		7.4		13										< 24.3								
Isopropyl ether	0001082	NSE	NSE	< .16		< .2		< .19		< .19										< 0.50								
Isopropylbenzene	0000988	NSE	NSE	< .18		< .1		< .22		< .22										< 0.14								
Methyl Ethyl Ketone	0000789	4000	800	.81		< 1		< 1		< 1										< 3.0								
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .64		< .31		< .31										< 2.1								
Methyl tert-butyl Ether	0016340	60	12	< .19		< .13		< .19		< .19										< 0.17								
Methylene Chloride	0000750	5	0.5	< .22		< .27		< .4		< .4										< 0.23								
Naphthalene	0000912	100	10	< .32		< .31		< .32		< .32										< 2.5								
n-Butylbenzene	0001045	NSE	NSE	< .23		< .14		< .24		< .24										< 0.50								
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .11		< .2		< .2										< 0.50								
Styrene	0001004	100	10	< .2		< .11		< .19		< .19										< 0.50								
Tetrachloroethene	0001271	5	0.5	< .12		< .18		< .15		< .15										< 0.50								
Toluene	0001088	800	160	< .18		< .16		< .23		< .23										< 0.50								
Total TriMthBenzenes	TOTALT	480	96	< .19		< .12		< .24		< .24										< 1								
Total Xylenes	TOTAL X	2000	400	< .17		< .16		< .22		< .22										< 1.5								
Trichloroethene	0000790	5	0.5	< .37		< .16		< .25		< .25										< 0.33								
Vinyl Chloride	0000750	0.2	0.02	< .17		< .17		< .15		< .15										< 0.18								
Xylene - M & P	1796012	2000	400	< .28		< .22		< .46		< .46										< 1.0								
Xylene - O	0000954	2000	400	< .17		< .16		< .22		< .22										< 0.50								

402 **MW-116**

DESCRIPTION	CASNUM	ES	PAL	RESULTS MONTH/YEAR 05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40			< .2	< .22	< .22	< .22	< .21		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5			< .17	< .23	< .23	< .23	< .25		< 0.39			< 0.16			< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85			< .16	< .21	< .21	< .21	< .19		< 0.28			< 0.16			< 0.24		< 0.24		< 0.24		< 0.31			< 0.44	
1,1-Dichloroethene	0000753	7	0.7			< .15	< .21	< .21	< .21	< .2		< 0.43			< 0.41			< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE			< .23	< .27	< .27	< .27	< .26		< 0.77			< 2.1			< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14			< .3	< .32	< .32	< .32	< .28		< 2.5			< 2.2			< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7			< .12	< .2	< .2	< .2	< .21		< 0.42			< 0.26			< 0.26		< 0.26		< 0.26		< 0.25			< 0.42	
1,2-Dichlorobenzene	0000955	600	60			< .13	< .16	< .16	< .16	< .19		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5			< .22	< .16	< .16	< .16	< .24		< 0.48			< 0.17			< 0.17		< 0.17		< 0.17		< 0.17			< 0.44	
1,2-Dichloropropane	0000788	5	0.5			< .21	< .22	< .22	< .22	< .2		< 0.50			< 0.23			< 0.23		< 0.23		< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20			< .13	< .26	< .26	< .26	< .19		< 0.37			< 0.24			< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15			< .13	< .22	< .22	< .22	< .22		< 0.43			< 0.50			< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96			< .12	< .18	< .18	< .18	< .24		< 0.57			< 0.50			< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96			< .12	< .2	< .2	< .2	< .25		< 2.5			< 0.50			< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE			< .15	< .2	< .2	< .2	< .26		< 0.48			< 0.50			< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800			4.3	< 4.2	< 4.2	5.9	< 4.2		< 2.6			3.1			< 3.0		< 3.0		< 3.0		< 0.92			< 3	
Benzene	0000714	5	0.5			< .13	< .2	< .2	< .2	< .26		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.30			< 0.46	
Chloroethane	0000750	400	80			< .67	< 1.5	< 1.5	< 1.5	< 2.1		< 0.44			< 0.37			< 0.37		< 0.37		< 0.37		< 0.29			< 0.68	
Chloroform	0000676	6	0.6			.25	< .2	< .2	< .2	< .23		< 0.69			< 2.5			< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3			< .28	< .23	< .23	< .23	< .24		< 0.39			< 0.50			< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200			< .13	< .29	< .29	< .29	< .19		< 0.40			< 0.16			< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140			< .12	< .21	< .21	< .21	< .22		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.40			< 0.34	
Fluorotrichloromethane	0000756	3490	698			< .11	< .32	< .32	< .32	< .25		< 0.48			< 0.17			< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE			< .36	< .45	< .45	< .45	< .23		< 1.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE			< 14	< 8.3	9.5	30	12		< 40.8			36.0			< 24.3		< 24.3		< 24.3		NA			< 100	
Isopropyl ether	0001082	NSE	NSE			< .2	< .25	< .25	< .25	< .19		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE			< .1	< .22	< .22	< .22	< .22		< 0.34			< 0.12			< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800			< 1	< 1	< 1	< 1	< 1		< 2.7			< 3.0			< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50			< .64	< .53	< .53	< .53	< .31		< 2.3			< 2.1			< 2.1		< 2.1		< 2.1		< 0.11			< 0.52	
Methyl tert-butyl Ether	0016340	60	12			< .13	< .28	< .28	< .28	< .19		< 0.49			< 0.17			< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	
Methylene Chloride	0000750	5	0.5			< .27	< .48	< .48	< .48	< .4		< 0.36			< 0.23			< 0.23		< 0.23		< 0.23		< 0.56			< 0.86	
Naphthalene	0000912	100	10			< .31	< .41	< .41	< .41	< .32		< 2.5			< 2.5			< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE			< .14	< .18	< .18	< .18	< .24		< 0.40			< 0.22			< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE			< .11	< .19	< .19	< .19	< .2		< 0.40			< 0.13			< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10			< .11	< .17	< .17	< .17	< .19		< 0.35			< 0.15			< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5			< .18	< .21	< .21	< .21	< .15		< 0.47			< 0.50			< 0.50		< 0.50		< 0.50		< 0.27			< 0.39	
Toluene	0001088	800	160			< .16	< .17	< .17	< .17	< .23		< 0.44			< 0.50			< 0.50		< 0.50		< 0.50		2.6			< 0.45	
Total TriMthBenzenes	TOTALT	480	96			< .12	< .18	< .18	< .18	< .24		< .57			< .5			< 1		< 1		< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400			< .16	< .24	< .24	< .24	< .22		< .5			< .5			< 1.5		< 1.5		< 1.5		< 1.33			< 1.12	
Trichloroethene	0000790	5	0.5			< .16	< .17	< .17	< .17	< .25		< 0.43			< 0.33			< 0.33		< 0.33		< 0.33		< 0.30			< 0.43	
Vinyl Chloride	0000750	0.2	0.02			< .17	< .18	< .18	< .18	< .15		< 0.18			< 0.18			< 0.18		< 0.18		< 0.18		< 0.20			< 0.53	
Xylene - M & P	1796012	2000	400			< .22	< .33	< .33	< .33	< .46		< 0.82			< 1.0			< 1.0		< 1.0		< 1.0		< 0.98			< 0.81	
Xylene - O	0000954	2000	400			< .16	< .24	< .24	< .24	< .22		< 0.50			< 0.50			< 0.50		< 0.50		< 0.50		< 0.35			< 0.31	

404 **TW-1**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40							980	920	515	3810		108	455		65.4	21.9	23.8	8.3	32.1	13.8	< 0.36		< 0.36	< 0.46	< 0.46
1,1,2-Trichloroethane	0000790	5	0.5							< 450	< 510	< 39.0	< 195		< 7.8	< 62.2		< 9.9	< 4.9	< 4.9	< 2.0	< 2.0	< 2.0	< 0.40		< 0.4	< 0.46	< 0.46
1,1-Dichloroethane	0000753	850	85							450	440	624	665		85.7	316		86.1	54.9	62.4	137	208	84.9	100		< 0.31	56	76
1,1-Dichloroethene	0000753	7	0.7							< 420	< 400	< 42.7	< 213		< 20.5	< 164		< 20.5	< 10.3	< 10.3	< 4.1	< 4.1	< 4.1	< 0.28		< 0.28	< 0.4	< 0.4
1,2,3-Trichlorobenzene	0000876	NSE	NSE							< 540	< 520	< 76.8	< 384		< 107	< 853		< 107	< 53.3	< 53.3	< 21.3	< 21.3	< 21.3	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14							< 640	< 560	< 250	< 1250		< 110	< 884		< 110	< 55.2	< 55.2	< 22.1	< 22.1	< 22.1	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7							6000	6600	8730	8690		543	2140		158	39.7	42.4	14.5	164	48.1	53		< 0.25	9.7	14
1,2-Dichlorobenzene	0000955	600	60							< 320	< 370	< 43.9	< 219		39.0	< 200		34.8	26.7	21.9	18.5	23.9	28.5	< 0.22		< 0.22	16	25
1,2-Dichloroethane	0001070	5	0.5							< 330	< 490	< 47.6	< 238		< 8.4	< 67.1		< 8.4	< 4.2	< 4.2	< 1.7	2.7	< 1.7	< 0.17		< 0.17	< 0.44	< 0.44
1,2-Dichloropropane	0000788	5	0.5							< 430	< 390	< 49.8	< 249		< 11.7	< 93.2		< 11.7	< 5.8	< 5.8	< 2.3	< 2.3	< 2.3	< 0.25		< 0.25	< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20							< 520	< 390	< 37.1	< 186		< 11.9	< 103		< 12.8	< 6.4	< 6.4	< 2.6	3.0	< 2.6	< 0.28		< 0.28	< 0.48	< 0.48
1,4-Dichlorobenzene	0001064	75	15							< 440	< 440	< 43.4	< 217		< 25.0	< 200		< 25.0	< 12.5	< 12.5	< 5.0	< 5.0	< 5.0	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96							1000	1100	731	1050		848	648		1320	905	625	608	630	794	970		5.2	620	790
135TRIMTHLBENZEN	0001086	480	96							< 390	< 510	< 250	321		244	< 200		411	274	178	193	195	255	270		1.9	160	240
2-Chlorotoluene	0000954	NSE	NSE							< 400	< 510	< 47.7	< 238		< 25.0	< 200		< 25.0	< 12.5	< 12.5	< 5.0	< 5.0	143	< 0.32		< 0.32	< 0.36	150
Acetone	0000676	9000	1800							< 8300	< 8300	< 259	< 1290		< 148	< 1180		< 148	< 73.8	268	29.8	< 29.5	< 29.5	130		< 0.92	19	< 6.2
Benzene	0000714	5	0.5							< 390	< 510	< 50.0	< 250		< 25.0	< 200		< 25.0	< 12.5	< 12.5	< 5.0	< 5.0	< 5.0	< 0.30		< 0.3	< 0.46	< 0.46
Chloroethane	0000750	400	80							< 3000	< 4100	< 44.4	< 222		< 18.7	< 150		< 18.7	< 9.4	< 9.4	72.6	109	< 3.7	< 0.29		1.2	30	57
Chloroform	0000676	6	0.6							< 400	< 450	< 68.9	< 344		< 125	< 1000		< 125	< 62.5	< 62.5	< 25.0	< 25.0	< 25.0	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3							< 470	< 480	< 38.8	< 194		< 25.0	< 200		< 25.0	< 12.5	< 12.5	< 5.0	< 5.0	< 5.0	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200							< 580	< 380	< 40.1	< 200		< 7.8	< 81.0		< 11.2	9.7	< 5.6	22.2	19.2	< 2.2	< 0.13		< 0.13	34	110
Ethylbenzene	0001004	700	140							5300	6500	3550	6440		2820	4600		2990	1460	2030	860	917	1560	1300		8.7	680	940
Fluorotrichloromethane	0000756	3490	698							< 630	< 510	< 47.7	< 238		< 8.6	< 69.0		< 9.2	< 4.6	< 4.6	< 1.8	< 1.8	< 1.8	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE							< 890	< 450	< 126	< 629		< 105	< 842		< 105	< 52.6	< 52.6	< 21.1	< 21.1	< 21.1	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE							< 1700	< 1300	< 4080	< 20400		< 1220	< 9740		< 1220	< 609	< 609	< 243	< 243	< 243	NA		< 33	< 33	< 33
Isopropyl ether	0001082	NSE	NSE							< 490	< 380	< 50.0	< 250		< 25.0	< 200		< 25.0	< 12.5	< 12.5	< 5.0	< 5.0	< 5.0	< 0.13		< 0.13	< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE							< 430	< 440	69.2	< 170		76.6	71.2		110	85.4	68.9	51.4	64.2	64.4	84		< 0.31	57	74
Methyl Ethyl Ketone	0000789	4000	800							< 2000	< 2000	< 270	< 1350		< 149	< 1190		< 149	< 74.5	81.4	< 29.8	< 29.8	< 29.8	2000		< 0.58	< 0.52	< 0.52
Methyl Isobutyl Ketone	0001081	500	50							< 1100	< 630	< 234	< 1170		< 107	< 856		< 107	< 53.5	< 53.5	< 21.4	< 21.4	< 21.4	350		< 0.11	< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12							< 570	< 380	< 49.4	< 247		< 8.7	< 69.7		< 8.7	< 4.4	< 4.4	< 1.7	3.2	< 1.7	< 0.12		< 0.12	< 0.45	< 0.45
Methylene Chloride	0000750	5	0.5							< 960	< 800	< 35.9	< 179		< 11.6	< 93.0		< 11.6	< 5.8	< 5.8	4.0	54.9	< 2.3	< 0.56		< 0.56	< 0.86	< 0.86
Naphthalene	0000912	100	10							< 810	< 640	< 250	< 1250		< 125	< 1000		< 125	< 62.5	< 62.5	67.3	68.5	50.5	72		< 0.18	45	59
n-Butylbenzene	0001045	NSE	NSE							< 360	< 490	< 40.0	< 200		38.4	< 200		< 25.0	27.2	< 12.5	< 5.0	< 5.0	< 5.0	< 0.22		< 0.22	< 0.34	22
p-Isopropyltoluene	0000998	NSE	NSE							< 380	< 410	< 39.7	< 199		< 25.0	< 200		< 25.0	< 12.5	< 12.5	5.8	5.4	5.6	< 0.14		< 0.14	< 0.26	16
Styrene	0001004	100	10							< 340	< 390	< 35.0	< 175		< 25.0	< 200		< 25.0	< 12.5	< 12.5	< 5.0	< 5.0	< 5.0	< 0.24		< 0.24	< 0.33	28
Tetrachloroethene	0001271	5	0.5							< 410	< 290	< 47.2	< 236		< 25.0	< 200		< 25.0	< 12.5	< 12.5	< 5.0	5.1	< 5.0	< 0.27		< 0.27	< 0.39	< 0.39
Toluene	0001088	800	160							25000	25000	17500	33300		4750	17200		3790	1660	1670	656	69.4	749	1100		4.2	180	390
Total TriMthBenzenes	TOTALT	480	96							1000	1100	< 250	< 250		< 25	648		1731	1179	803	801	825	1049	1240		7.1	780	1030
Total Xylenes	TOTAL X	2000	400							22600	26300	< 50	< 250		< 25	20920		13180	6250	8810	4290	3473	7240	6500		42	3110	4700
Trichloroethene	0000790	5	0.5							< 330	< 500	< 42.9	< 182		< 16.5	< 132		< 16.5	< 8.3	< 8.3	< 3.3	7.2	< 3.3	< 0.30		< 0.3	< 0.43	< 0.43
Vinyl Chloride	0000750	0.2	0.02							< 370	< 300	97.0	217		66.9	165		73.8	37.1	31.1	14.3	34.9	33.0	< 0.20		< 0.2	17	21
Xylene - M & P	1796012	2000	400							17000	20000	11200	19400		8440	16200		10000	4680	6680	3150	3200	5490	5000		32	2500	3600
Xylene - O	0000954	2000	400							5600	6300	3580	6420		2500	4720		3180	1570	2130	1140	273	1750	1500		10	610	1100

503 **RW-2**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40																	***1220***			***1160***	30		3.4	76	
1,1,2-Trichloroethane	0000790	5	0.5																	***11.2***			***33.2***	3.3		< 0.4	***5.3***	
1,1-Dichloroethane	0000753	850	85																	99.8			749	37		2	73	
1,1-Dichloroethene	0000753	7	0.7																	***30.7***			***95.0***	0.29		< 0.28	***7.3***	
1,2,3-Trichlorobenzene	0000876	NSE	NSE																	< 21.3			< 53.3	< 0.17		< 0.17	< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14																	< 22.1			< 55.2	< 0.21		< 0.21	< 0.45	
1,2-cis-Dichloroethene	0001565	70	7																	***954***			***2300***	63		5.2	***220***	
1,2-Dichlorobenzene	0000955	600	60																	< 5.0			< 12.5	< 0.22		< 0.22	0.33	
1,2-Dichloroethane	0001070	5	0.5																	***5.8***			***13.6***	1.3		< 0.17	1.8	
1,2-Dichloropropane	0000788	5	0.5																	***8.9***			***23.3***	2.0		< 0.25	2.8	
1,2-trans-Dichloroethene	0001566	100	20																	< 2.6			10.5	1.4		< 0.28	1.2	
1,4-Dichlorobenzene	0001064	75	15																	< 5.0			< 12.5	< 0.21		< 0.21	< 0.35	
124TRIMTHLBENZEN	0000956	480	96																	< 5.0			15.0	0.70		< 0.37	5.2	
135TRIMTHLBENZEN	0001086	480	96																	< 5.0			< 12.5	< 0.29		< 0.29	0.96	
2-Chlorotoluene	0000954	NSE	NSE																	< 5.0			< 12.5	< 0.32		< 0.32	< 0.36	
Acetone	0000676	9000	1800																	68.5			79.9	88		11	20	
Benzene	0000714	5	0.5																	< 5.0			< 12.5	< 0.30		< 0.3	< 0.46	
Chloroethane	0000750	400	80																	68.4			178	9.3		0.94	18	
Chloroform	0000676	6	0.6																	< 25.0			< 62.5	< 0.26		< 0.26	< 0.46	
Chloromethane	0000748	30	3																	< 5.0			< 12.5	< 0.17		< 0.17	< 0.83	
Dichlorodifluoromethan	0000757	1000	200																	< 2.2			< 5.6	< 0.13		< 0.13	1.1	
Ethylbenzene	0001004	700	140																	15.8			64.4	2.5		1.1	18	
Fluorotrichloromethane	0000756	3490	698																	< 1.8			< 4.6	< 0.20		< 0.2	< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE																	< 21.1			< 52.6	< 0.24		< 0.24	< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE																	< 243			< 609	NA		< 33	< 66	
Isopropyl ether	0001082	NSE	NSE																	< 5.0			< 12.5	< 0.13		< 0.13	< 0.41	
Isopropylbenzene	0000988	NSE	NSE																	< 1.4			< 3.6	< 0.31		< 0.31	0.83	
Methyl Ethyl Ketone	0000789	4000	800																	< 29.8			< 74.5	34		1.7	3.8	
Methyl Isobutyl Ketone	0001081	500	50																	260			< 53.5	< 0.11		< 0.11	< 0.52	
Methyl tert-butyl Ether	0016340	60	12																	< 1.7			7.3	3.4		0.95	2.5	
Methylene Chloride	0000750	5	0.5																	***12.0***			***21.7***	2.8		1.3	***6.8***	
Naphthalene	0000912	100	10																	< 25.0			< 62.5	< 0.18		< 0.18	< 0.77	
n-Butylbenzene	0001045	NSE	NSE																	< 5.0			< 12.5	< 0.22		< 0.22	< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE																	< 5.0			< 12.5	< 0.14		< 0.14	< 0.26	
Styrene	0001004	100	10																	< 5.0			< 12.5	< 0.24		< 0.24	< 0.33	
Tetrachloroethene	0001271	5	0.5																	***41.9***			***72.3***	***21***		***9.9***	***32***	
Toluene	0001088	800	160																	188			455	12		3.9	36	
Total TriMthBenzenes	TOTALT	480	96																	< 10			< 25	.7		< .66	6.16	
Total Xylenes	TOTAL X	2000	400																	< 15			278.8	11.1		4	55.1	
Trichloroethene	0000790	5	0.5																	***27.0***			***42.1***	***12***		4	***24***	
Vinyl Chloride	0000750	0.2	0.02																	***13.1***			***98.1***	***7.1***		***3.1***	***62***	
Xylene - M & P	1796012	2000	400																	< 10.0			191	7.4		2.9	47	
Xylene - O	0000954	2000	400																	12.7			87.8	3.7		1.1	8.1	

506 **RW-3**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40										< 886															
1,1,2-Trichloroethane	0000790	5	0.5										< 780															
1,1-Dichloroethane	0000753	850	85										< 570															
1,1-Dichloroethene	0000753	7	0.7										< 854															
1,2,3-Trichlorobenzene	0000876	NSE	NSE										< 1540															
1,2,4-Trichlorobenzene	0001208	70	14										< 5000															
1,2-cis-Dichloroethene	0001565	70	7										< 838															
1,2-Dichlorobenzene	0000955	600	60										< 877															
1,2-Dichloroethane	0001070	5	0.5										< 953															
1,2-Dichloropropane	0000788	5	0.5										< 996															
1,2-trans-Dichloroethene	0001566	100	20										< 743															
1,4-Dichlorobenzene	0001064	75	15										< 869															
124TRIMTHLBENZEN	0000956	480	96										< 1000															
135TRIMTHLBENZEN	0001086	480	96										< 1000															
2-Chlorotoluene	0000954	NSE	NSE										< 953															
Acetone	0000676	9000	1800										***248000***															
Benzene	0000714	5	0.5										< 1000															
Chloroethane	0000750	400	80										< 887															
Chloroform	0000676	6	0.6										< 1380															
Chloromethane	0000748	30	3										< 775															
Dichlorodifluoromethan	0000757	1000	200										< 802															
Ethylbenzene	0001004	700	140										< 1000															
Fluorotrichloromethane	0000756	3490	698										< 953															
Hexachlorobutadiene	0000876	NSE	NSE										< 2510															
Isopropyl Alcohol	0000676	NSE	NSE										135000															
Isopropyl ether	0001082	NSE	NSE										< 1000															
Isopropylbenzene	0000988	NSE	NSE										< 682															
Methyl Ethyl Ketone	0000789	4000	800										***253000***															
Methyl Isobutyl Ketone	0001081	500	50										< 4680															
Methyl tert-butyl Ether	0016340	60	12										< 987															
Methylene Chloride	0000750	5	0.5										< 717															
Naphthalene	0000912	100	10										< 5000															
n-Butylbenzene	0001045	NSE	NSE										< 799															
p-Isopropyltoluene	0000998	NSE	NSE										< 794															
Styrene	0001004	100	10										< 700															
Tetrachloroethene	0001271	5	0.5										< 944															
Toluene	0001088	800	160										***23200***															
Total TriMthBenzenes	TOTALT	480	96										< 1000															
Total Xylenes	TOTAL X	2000	400										< 1000															
Trichloroethene	0000790	5	0.5										< 728															
Vinyl Chloride	0000750	0.2	0.02										< 370															
Xylene - M & P	1796012	2000	400										< 1630															
Xylene - O	0000954	2000	400										< 1000															

509 **RW-4**

DESCRIPTION	CASNUM	ES	PAL	RESULTS MONTH/YEAR 05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40																	2.3			< 0.50					
1,1,2-Trichloroethane	0000790	5	0.5																	< 0.79			< 0.20					
1,1-Dichloroethane	0000753	850	85																	2.0			0.56					
1,1-Dichloroethene	0000753	7	0.7																	< 1.6			< 0.41					
1,2,3-Trichlorobenzene	0000876	NSE	NSE																	< 8.5			< 2.1					
1,2,4-Trichlorobenzene	0001208	70	14																	< 8.8			< 2.2					
1,2-cis-Dichloroethene	0001565	70	7																	1.7			< 0.26					
1,2-Dichlorobenzene	0000955	600	60																	< 2.0			< 0.50					
1,2-Dichloroethane	0001070	5	0.5																	< 0.67			0.31					
1,2-Dichloropropane	0000788	5	0.5																	< 0.93			< 0.23					
1,2-trans-Dichloroethene	0001566	100	20																	< 1.0			< 0.26					
1,4-Dichlorobenzene	0001064	75	15																	< 2.0			< 0.50					
124TRIMTHLBENZEN	0000956	480	96																	< 2.0			< 0.50					
135TRIMTHLBENZEN	0001086	480	96																	< 2.0			< 0.50					
2-Chlorotoluene	0000954	NSE	NSE																	< 2.0			< 0.50					
Acetone	0000676	9000	1800																	161			23.8					
Benzene	0000714	5	0.5																	< 2.0			< 0.50					
Chloroethane	0000750	400	80																	2.5			1.7					
Chloroform	0000676	6	0.6																	< 10.0			< 2.5					
Chloromethane	0000748	30	3																	< 2.0			< 0.50					
Dichlorodifluoromethan	0000757	1000	200																	< 0.90			< 0.22					
Ethylbenzene	0001004	700	140																	< 2.0			1.2					
Fluorotrichloromethane	0000756	3490	698																	< 0.74			< 0.18					
Hexachlorobutadiene	0000876	NSE	NSE																	< 8.4			< 2.1					
Isopropyl Alcohol	0000676	NSE	NSE																	< 97.4			< 24.3					
Isopropyl ether	0001082	NSE	NSE																	< 2.0			< 0.50					
Isopropylbenzene	0000988	NSE	NSE																	< 0.57			< 0.14					
Methyl Ethyl Ketone	0000789	4000	800																	23.8			< 3.0					
Methyl Isobutyl Ketone	0001081	500	50																	< 8.6			< 2.1					
Methyl tert-butyl Ether	0016340	60	12																	< 0.70			0.36					
Methylene Chloride	0000750	5	0.5																	1.4			< 0.23					
Naphthalene	0000912	100	10																	< 10.0			< 2.5					
n-Butylbenzene	0001045	NSE	NSE																	< 2.0			< 0.50					
p-Isopropyltoluene	0000998	NSE	NSE																	< 2.0			< 0.50					
Styrene	0001004	100	10																	< 2.0			< 0.50					
Tetrachloroethene	0001271	5	0.5																	< 2.0			< 0.50					
Toluene	0001088	800	160																	< 2.0			12.6					
Total TriMthBenzenes	TOTALT	480	96																	< 4			< 1					
Total Xylenes	TOTAL X	2000	400																	< 6			3.12					
Trichloroethene	0000790	5	0.5																	< 1.3			< 0.33					
Vinyl Chloride	0000750	0.2	0.02																	< 0.70			< 0.18					
Xylene - M & P	1796012	2000	400																	< 4.0			2.3					
Xylene - O	0000954	2000	400																	< 2.0			0.82					

512 **RW-5**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< 220				< .22		< .21	< .21	< 0.44							< 0.50	< 0.50	0.62		2.9	6.4		12	12	30
1,1,2-Trichloroethane	0000790	5	0.5	< 230				< .23		< .25	< .25	< 0.39							< 0.20	< 0.20	< 0.20		0.35	< 0.40		< 0.4	< 0.46	0.79
1,1-Dichloroethane	0000753	850	85	< 210				.66		< .19	.32	39.3							< 0.24	120	240		121	71		26	23	16
1,1-Dichloroethene	0000753	7	0.7	< 210				< .21		< .2	< .2	< 0.43							< 0.41	< 0.41	< 0.41		< 0.41	< 0.28		0.51	< 0.4	1.5
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 270				< .27		< .26	< .26	< 0.77							< 2.1	< 2.1	< 2.1		< 2.1	< 0.17		< 0.17	< 0.42	< 0.42
1,2,4-Trichlorobenzene	0001208	70	14	< 320				< .32		< .28	< .28	< 2.5							< 2.2	< 2.2	< 2.2		< 2.2	< 0.21		< 0.21	< 0.45	< 0.45
1,2-cis-Dichloroethene	0001565	70	7	< 200				< .2		< .21	< .21	2.2							< 0.26	10.0	73.1		58.2	48		26	32	54
1,2-Dichlorobenzene	0000955	600	60	< 160				< .16		< .19	< .19	1.4							< 0.50	< 0.50	< 0.50		< 0.50	< 0.22		< 0.22	< 0.32	< 0.32
1,2-Dichloroethane	0001070	5	0.5	< 160				< .16		< .24	< .24	< 0.48							< 0.17	0.66	0.93		0.59	< 0.17		< 0.17	< 0.44	< 0.44
1,2-Dichloropropane	0000788	5	0.5	< 220				< .22		< .2	< .2	< 0.50							< 0.23	0.30	0.39		0.55	0.69		< 0.25	< 0.48	< 0.48
1,2-trans-Dichloroethene	0001566	100	20	< 260				< .26		< .19	< .19	< 0.37							< 0.26	0.86	1.4		1.3	0.94		0.45	0.55	< 0.48
1,4-Dichlorobenzene	0001064	75	15	< 220				< .22		< .22	< .22	< 0.43							< 0.50	< 0.50	< 0.50		< 0.50	< 0.21		< 0.21	< 0.35	< 0.35
124TRIMTHLBENZEN	0000956	480	96	620				< .18		< .24	< .24	< 0.57							< 0.50	< 0.50	< 0.50		< 0.50	< 0.37		< 0.37	< 0.45	< 0.45
135TRIMTHLBENZEN	0001086	480	96	240				< .2		< .25	< .25	< 2.5							< 0.50	< 0.50	< 0.50		< 0.50	< 0.29		< 0.29	< 0.65	< 0.65
2-Chlorotoluene	0000954	NSE	NSE	< 200				< .2		< .26	< .26	< 0.48							< 0.50	< 0.50	< 0.50		< 0.50	< 0.32		< 0.32	< 0.36	< 0.36
Acetone	0000676	9000	1800	< 4200				< 4.2		5.2	35	3.2							7.5	3.6	< 3.0		< 3.0	< 0.92		1.1	7.7	< 6.2
Benzene	0000714	5	0.5	< 200				< .2		< .26	< .26	< 0.50							< 0.50	< 0.50	0.72		1.3	0.76		< 0.3	< 0.46	< 0.46
Chloroethane	0000750	400	80	< 1500				< 1.5		< 2.1	< 2.1	< 0.44							< 0.37	3.1	12.9		11.7	< 0.29		2.1	0.82	1.3
Chloroform	0000676	6	0.6	< 200				< .2		< .23	< .23	< 0.69							< 2.5	< 2.5	< 2.5		< 2.5	< 0.26		< 0.26	< 0.46	< 0.46
Chloromethane	0000748	30	3	< 230				< .23		< .24	< .24	< 0.39							< 0.50	< 0.50	< 0.50		< 0.50	< 0.17		< 0.17	< 0.83	< 0.83
Dichlorodifluoromethan	0000757	1000	200	< 290				< .29		< .19	< .19	< 0.40							< 0.22	< 0.22	< 0.22		< 0.22	< 0.13		< 0.13	< 0.68	< 0.68
Ethylbenzene	0001004	700	140	5000				< .21		< .22	1.1	0.60							< 0.50	< 0.50	< 0.50		< 0.50	< 0.40		< 0.4	< 0.34	< 0.34
Fluorotrichloromethane	0000756	3490	698	< 320				< .32		< .25	< .25	< 0.48							< 0.18	< 0.18	< 0.18		< 0.18	< 0.20		< 0.2	< 0.52	< 0.52
Hexachlorobutadiene	0000876	NSE	NSE	< 450				< .45		< .23	< .23	< 1.3							< 2.1	< 2.1	< 2.1		< 2.1	< 0.24		< 0.24	< 0.56	< 0.56
Isopropyl Alcohol	0000676	NSE	NSE	< 8300				< 8.3		8.8	< 6.3	< 40.8							< 24.3	< 24.3	< 24.3		< 24.3	NA		< 33	< 33	< 33
Isopropyl ether	0001082	NSE	NSE	< 250				< .25		.26	< .19	< 0.50							< 0.50	< 0.50	< 0.50		< 0.50	< 0.13		< 0.13	< 0.41	< 0.41
Isopropylbenzene	0000988	NSE	NSE	< 220				< .22		< .22	< .22	0.68							< 0.14	< 0.14	< 0.14		< 0.14	< 0.31		< 0.31	< 0.35	< 0.35
Methyl Ethyl Ketone	0000789	4000	800	< 1000				< 1		2	1.5	< 2.7							< 3.0	< 3.0	< 3.0		< 3.0	< 0.58		< 0.58	9.6	< 0.52
Methyl Isobutyl Ketone	0001081	500	50	< 530				< .53		< .31	< .31	< 2.3							< 2.1	< 2.1	< 2.1		< 2.1	< 0.11		< 0.11	< 0.52	< 0.52
Methyl tert-butyl Ether	0016340	60	12	< 280				< .28		1.3	1.3	1.5							< 0.17	0.78	0.66		1.2	1.8		6.6	5.1	4.6
Methylene Chloride	0000750	5	0.5	< 480				1.9		< .4	.57	< 0.36							0.67	2.3	1.3		0.66	6.4		1.4	< 0.86	2.2
Naphthalene	0000912	100	10	< 410				< .41		< .32	< .32	< 2.5							< 2.5	< 2.5	< 2.5		< 2.5	< 0.18		< 0.18	< 0.77	< 0.77
n-Butylbenzene	0001045	NSE	NSE	< 180				< .18		< .24	< .24	< 0.40							< 0.50	< 0.50	< 0.50		< 0.50	< 0.22		< 0.22	< 0.34	< 0.34
p-Isopropyltoluene	0000998	NSE	NSE	< 190				< .19		< .2	< .2	< 0.40							< 0.50	< 0.50	< 0.50		< 0.50	< 0.14		< 0.14	< 0.26	< 0.26
Styrene	0001004	100	10	< 170				< .17		< .19	< .19	< 0.35							< 0.50	< 0.50	< 0.50		< 0.50	< 0.24		< 0.24	< 0.33	< 0.33
Tetrachloroethene	0001271	5	0.5	< 210				< .21		< .15	< .15	< 0.47							< 0.50	< 0.50	< 0.50		1.2	1.4		2	2.8	8.1
Toluene	0001088	800	160	2700				< .17		< .23	< .23	0.57							< 0.50	< 0.50	< 0.50		< 0.50	< 0.37		< 0.37	< 0.45	1.4
Total TriMthBenzenes	TOTALT	480	96	860				< .18		< .24	< .24	< .57							< 1	< 1	< 1		< 1	< .66		< .66	< 1.1	< 1.1
Total Xylenes	TOTAL X	2000	400	21000				< .24		< .22	< .22	< .5							< 1.5	< 1.5	< 1.5		< 1.5	< 1.33		< 1.33	< 1.12	< 1.12
Trichloroethene	0000790	5	0.5	< 170				< .17		< .25	.26	1.0							< 0.33	< 0.33	0.74		2.0	1.8		4.2	4.3	9.6
Vinyl Chloride	0000750	0.2	0.02	< 180				< .18		< .15	< .15	4.2							< 0.18	6.2	29.3		30.1	33		11	5.4	9.7
Xylene - M & P	1796012	2000	400	17000				< .33		< .46	< .46	< 0.82							< 1.0	< 1.0	< 1.0		< 1.0	< 0.98		< 0.98	< 0.81	< 0.81
Xylene - O	0000954	2000	400	4000				< .24		< .22	< .22	0.80							< 0.50	< 0.50	< 0.50		< 0.50	< 0.35		< 0.35	< 0.31	0.38

610 **S2N**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .13		< .22		< .22		< .21		< 0.44						< 0.50		< 0.50		< 0.50		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .23		< .23		< .25		< 0.39						< 0.20		< 0.20		< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85	11		11		.84		1.6		< 0.28						6.3		6.5		9.9		5.9			6.3	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .21		.26		.42		< 0.43						< 0.41		< 0.41		< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .27		< .27		< .26		< 0.77						< 2.1		< 2.1		< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .32		< .32		< .28		< 2.5						< 2.2		< 2.2		< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	1.2		1.2		.23		1.9		< 0.42						1.0		0.86		2.9		0.95			0.79	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .16		< .16		< .19		< 0.44						< 0.50		< 0.50		< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5	.62		.76		< .16		< .24		< 0.48						1.4		2.0		2.9		< 0.17			0.72	
1,2-Dichloropropane	0000788	5	0.5	.36		.34		< .22		< .2		< 0.50						< 0.23		0.26		< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .26		< .26		< .19		< 0.37						< 0.26		< 0.26		< 0.26		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .22		< .22		< .22		< 0.43						< 0.50		< 0.50		< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .18		< .18		< .24		< 0.57						< 0.50		< 0.50		< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .2		< .2		< .25		< 2.5						< 0.50		< 0.50		< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .2		< .2		< .26		< 0.48						< 0.50		< 0.50		< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800	4.3		< 4.2		< 4.2		5.8		< 2.6						3.6		3.3		< 3.0		< 0.92			< 3	
Benzene	0000714	5	0.5	< .24		< .2		< .2		< .26		< 0.50						0.50		0.54		0.76		< 0.30			0.46	
Chloroethane	0000750	400	80	2.2		< 1.5		< 1.5		< 2.1		< 0.44						10.6		11.7		20.7		7.5			7.3	
Chloroform	0000676	6	0.6	< .13		< .2		< .2		< .23		< 0.69						< 2.5		< 2.5		< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3	< .23		< .23		< .23		< .24		< 0.39						< 0.50		< 0.50		< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .29		< .29		< .19		< 0.40						< 0.22		< 0.22		< 0.22		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140	< .15		< .21		< .21		< .22		< 0.50						< 0.50		< 0.50		< 0.50		< 0.40			0.51	
Fluorotrichloromethane	0000756	3490	698	< .21		< .32		< .32		< .25		< 0.48						< 0.18		< 0.18		< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .45		< .45		< .23		< 1.3						< 2.1		< 2.1		< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	< 10		< 8.3		< 8.3		< 6.3		< 40.8						< 24.3		< 24.3		< 24.3		NA			< 33	
Isopropyl ether	0001082	NSE	NSE	< .16		< .25		< .25		< .19		< 0.50						< 0.50		0.57		< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .22		< .22		< .22		< 0.34						< 0.14		< 0.14		< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	< .5		1.1		< 1		< 1		< 2.7						< 3.0		< 3.0		< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	5.6		2.4		< .53		< .31		< 2.3						< 2.1		< 2.1		< 2.1		1.6			2.9	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .28		< .28		< .19		< 0.49						< 0.17		< 0.17		< 0.17		< 0.12			< 0.45	
Methylene Chloride	0000750	5	0.5	.24		< .48		< .48		< .4		< 0.36						0.28		0.25		< 0.23		< 0.56			< 0.86	
Naphthalene	0000912	100	10	< .32		< .41		< .41		< .32		< 2.5						< 2.5		< 2.5		< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .18		< .18		< .24		< 0.40						< 0.50		< 0.50		< 0.50		< 0.22			< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .19		< .19		< .2		< 0.40						< 0.50		< 0.50		< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10	< .2		< .17		< .17		< .19		< 0.35						< 0.50		< 0.50		< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5	< .12		< .21		< .21		< .15		< 0.47						< 0.50		< 0.50		< 0.50		< 0.27			< 0.39	
Toluene	0001088	800	160	.43		.24		< .17		< .23		< 0.44						1.4		1.2		2.4		2.2			5.3	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .18		< .18		< .24		< .57						< 1		< 1		< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400	< .17		< .24		< .24		< .22		< .5						< 1.5		< 1.5		< 1.5		< 1.33			1.71	
Trichloroethene	0000790	5	0.5	.42		.67		< .17		< .25		< 0.43						< 0.33		< 0.33		0.46		< 0.30			< 0.43	
Vinyl Chloride	0000750	0.2	0.02	***.7***		***.83***		< .18		.2		< 0.18						***0.41***		***0.49***		***0.87***		< 0.20			***1.8***	
Xylene - M & P	1796012	2000	400	< .28		< .33		< .33		< .46		< 0.82						< 1.0		< 1.0		< 1.0		< 0.98			0.96	
Xylene - O	0000954	2000	400	< .17		< .24		< .24		< .22		< 0.50						< 0.50		< 0.50		< 0.50		0.43			0.75	

612 **S6N,S7N**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .13		< .22		< .22		< .21		< 0.44						< 0.50				< 0.50		< 0.36			< 0.46	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .23		< .23		< .25		< 0.39						< 0.20				< 0.20		< 0.40			< 0.46	
1,1-Dichloroethane	0000753	850	85	< .17		< .21		< .21		< .19		< 0.28						< 0.24				< 0.24		< 0.31			< 0.44	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .21		< .21		< .2		< 0.43						< 0.41				< 0.41		< 0.28			< 0.4	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .27		< .27		< .26		< 0.77						< 2.1				< 2.1		< 0.17			< 0.42	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .32		< .32		< .28		< 2.5						< 2.2				< 2.2		< 0.21			< 0.45	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .2		< .2		< .21		< 0.42						< 0.26				< 0.26		< 0.25			< 0.42	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .16		< .16		< .19		< 0.44						< 0.50				< 0.50		< 0.22			< 0.32	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .16		< .16		< .24		< 0.48						< 0.17				< 0.17		< 0.17			< 0.44	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .22		< .22		< .2		< 0.50						< 0.23				< 0.23		< 0.25			< 0.48	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .26		< .26		< .19		< 0.37						< 0.26				< 0.26		< 0.28			< 0.48	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .22		< .22		< .22		< 0.43						< 0.50				< 0.50		< 0.21			< 0.35	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .18		< .18		< .24		< 0.57						< 0.50				< 0.50		< 0.37			< 0.45	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .2		< .2		< .25		< 2.5						< 0.50				< 0.50		< 0.29			< 0.65	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .2		< .2		< .26		< 0.48						< 0.50				< 0.50		< 0.32			< 0.36	
Acetone	0000676	9000	1800	< 4		< 4.2		4.3		7.1		2.8						< 3.0				< 3.0		3.3			3.7	
Benzene	0000714	5	0.5	< .24		< .2		< .2		< .26		< 0.50						< 0.50				< 0.50		< 0.30			< 0.46	
Chloroethane	0000750	400	80	< 1.1		< 1.5		< 1.5		< 2.1		< 0.44						< 0.37				< 0.37		< 0.29			< 0.68	
Chloroform	0000676	6	0.6	< .13		< .2		< .2		< .23		< 0.69						< 2.5				< 2.5		< 0.26			< 0.46	
Chloromethane	0000748	30	3	< .23		< .23		< .23		< .24		< 0.39						< 0.50				< 0.50		< 0.17			< 0.83	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .29		< .29		< .19		< 0.40						< 0.22				< 0.22		< 0.13			< 0.68	
Ethylbenzene	0001004	700	140	< .15		< .21		< .21		< .22		< 0.50						< 0.50				< 0.50		< 0.40			< 0.34	
Fluorotrichloromethane	0000756	3490	698	< .21		< .32		< .32		< .25		< 0.48						< 0.18				< 0.18		< 0.20			< 0.52	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .45		< .45		< .23		< 1.3						< 2.1				< 2.1		< 0.24			< 0.56	
Isopropyl Alcohol	0000676	NSE	NSE	< 10		< 8.3		< 8.3		15		< 40.8						< 24.3				< 24.3		NA			130	
Isopropyl ether	0001082	NSE	NSE	< .16		< .25		< .25		< .19		< 0.50						< 0.50				< 0.50		< 0.13			< 0.41	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .22		< .22		< .22		< 0.34						< 0.14				< 0.14		< 0.31			< 0.35	
Methyl Ethyl Ketone	0000789	4000	800	.93		< 1		< 1		< 1		< 2.7						< 3.0				< 3.0		< 0.58			< 0.52	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .53		< .53		< .31		< 2.3						< 2.1				< 2.1		< 0.11			< 0.52	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .28		< .28		< .19		< 0.49						< 0.17				< 0.17		< 0.12			< 0.45	
Methylene Chloride	0000750	5	0.5	< .22		< .48		< .48		< .4		< 0.36						< 0.23				< 0.23		< 0.56			< 0.86	
Naphthalene	0000912	100	10	< .32		< .41		< .41		< .32		< 2.5						< 2.5				< 2.5		< 0.18			< 0.77	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .18		< .18		< .24		< 0.40						< 0.50				< 0.50		< 0.22			< 0.34	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .19		< .19		< .2		< 0.40						< 0.50				< 0.50		< 0.14			< 0.26	
Styrene	0001004	100	10	< .2		< .17		< .17		< .19		< 0.35						< 0.50				< 0.50		< 0.24			< 0.33	
Tetrachloroethene	0001271	5	0.5	< .12		< .21		< .21		< .15		< 0.47						< 0.50				< 0.50		< 0.27			< 0.39	
Toluene	0001088	800	160	< .18		< .17		< .17		< .23		< 0.44						< 0.50				< 0.50		< 0.37			2.8	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .18		< .18		< .24		< .57						< 1				< 1		< .66			< 1.1	
Total Xylenes	TOTAL X	2000	400	< .17		< .24		< .24		< .22		< .5						< 1.5				< 1.5		< 1.33			< 1.12	
Trichloroethene	0000790	5	0.5	< .37		< .17		< .17		< .25		< 0.43						< 0.33				< 0.33		< 0.30			< 0.43	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .18		< .18		< .15		< 0.18						< 0.18				< 0.18		< 0.20			< 0.53	
Xylene - M & P	1796012	2000	400	< .28		< .33		< .33		< .46		< 0.82						< 1.0				< 1.0		< 0.98			< 0.81	
Xylene - O	0000954	2000	400	< .17		< .24		< .24		< .22		< 0.50						< 0.50				< 0.50		< 0.35			< 0.31	

614 **S8N**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .13		< .2		< .22		< .21								< 0.50		< 0.50		< 0.50		< 0.36				
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .17		< .23		< .25								< 0.20		< 0.20		< 0.20		< 0.40				
1,1-Dichloroethane	0000753	850	85	< .17		< .16		< .21		< .19								< 0.24		< 0.24		< 0.24		< 0.31				
1,1-Dichloroethene	0000753	7	0.7	< .22		< .15		< .21		< .2								< 0.41		< 0.41		< 0.41		< 0.28				
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .23		< .27		< .26								< 2.1		< 2.1		< 2.1		< 0.17				
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .3		< .32		< .28								< 2.2		< 2.2		< 2.2		< 0.21				
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .12		< .2		< .21								< 0.26		< 0.26		< 0.26		< 0.25				
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .16		< .19								< 0.50		< 0.50		< 0.50		< 0.22				
1,2-Dichloroethane	0001070	5	0.5	< .15		< .22		< .16		< .24								< 0.17		< 0.17		< 0.17		< 0.17				
1,2-Dichloropropane	0000788	5	0.5	< .33		< .21		< .22		< .2								< 0.23		< 0.23		< 0.23		< 0.25				
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .13		< .26		< .19								< 0.26		< 0.26		< 0.26		< 0.28				
1,4-Dichlorobenzene	0001064	75	15	< .3		< .13		< .22		< .22								< 0.50		< 0.50		< 0.50		< 0.21				
124TRIMTHLBENZEN	0000956	480	96	< .19		< .12		< .18		< .24								< 0.50		< 0.50		< 0.50		< 0.37				
135TRIMTHLBENZEN	0001086	480	96	< .19		< .12		< .2		< .25								< 0.50		< 0.50		< 0.50		< 0.29				
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .15		< .2		< .26								< 0.50		< 0.50		< 0.50		< 0.32				
Acetone	0000676	9000	1800	< 4		9.9		6.4		8								3.9		< 3.0		< 3.0		< 0.92				
Benzene	0000714	5	0.5	< .24		< .13		< .2		< .26								< 0.50		< 0.50		< 0.50		< 0.30				
Chloroethane	0000750	400	80	< 1.1		< .67		< 1.5		< 2.1								< 0.37		< 0.37		< 0.37		< 0.29				
Chloroform	0000676	6	0.6	< .13		< .13		< .2		< .23								< 2.5		< 2.5		< 2.5		< 0.26				
Chloromethane	0000748	30	3	< .23		< .28		< .23		< .24								< 0.50		< 0.50		< 0.50		< 0.17				
Dichlorodifluoromethan	0000757	1000	200	< .25		< .13		< .29		< .19								< 0.22		< 0.22		< 0.22		< 0.13				
Ethylbenzene	0001004	700	140	< .15		< .12		< .21		< .22								< 0.50		< 0.50		< 0.50		< 0.40				
Fluorotrichloromethane	0000756	3490	698	< .21		< .11		< .32		< .25								< 0.18		< 0.18		< 0.18		< 0.20				
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .36		< .45		< .23								< 2.1		< 2.1		< 2.1		< 0.24				
Isopropyl Alcohol	0000676	NSE	NSE	14		< 14		< 8.3		16								< 24.3		< 24.3		< 24.3		NA				
Isopropyl ether	0001082	NSE	NSE	< .16		< .2		< .25		< .19								< 0.50		< 0.50		< 0.50		< 0.13				
Isopropylbenzene	0000988	NSE	NSE	< .18		< .1		< .22		< .22								< 0.14		< 0.14		< 0.14		< 0.31				
Methyl Ethyl Ketone	0000789	4000	800	1.1		1		< 1		< 1								< 3.0		< 3.0		< 3.0		< 0.58				
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .64		< .53		< .31								< 2.1		< 2.1		< 2.1		< 0.11				
Methyl tert-butyl Ether	0016340	60	12	< .19		< .13		< .28		< .19								< 0.17		< 0.17		< 0.17		< 0.12				
Methylene Chloride	0000750	5	0.5	< .22		< .27		< .48		< .4								< 0.23		< 0.23		< 0.23		< 0.56				
Naphthalene	0000912	100	10	< .32		< .31		< .41		< .32								< 2.5		< 2.5		< 2.5		< 0.18				
n-Butylbenzene	0001045	NSE	NSE	< .23		< .14		< .18		< .24								< 0.50		< 0.50		< 0.50		< 0.22				
p-Isopropyltoluene	0000998	NSE	NSE	< .16		4.5		7.2		1								0.68		< 0.50		< 0.50		< 0.14				
Styrene	0001004	100	10	< .2		< .11		< .17		< .19								< 0.50		< 0.50		< 0.50		< 0.24				
Tetrachloroethene	0001271	5	0.5	< .12		< .18		< .21		< .15								< 0.50		< 0.50		< 0.50		< 0.27				
Toluene	0001088	800	160	< .18		.26		1.5		.55								< 0.50		< 0.50		< 0.50		< 0.37				
Total TriMthBenzenes	TOTALT	480	96	< .19		< .12		< .18		< .24								< 1		< 1		< 1		< .66				
Total Xylenes	TOTAL X	2000	400	< .17		< .16		< .24		< .22								< 1.5		< 1.5		< 1.5		< 1.33				
Trichloroethene	0000790	5	0.5	< .37		< .16		< .17		< .25								< 0.33		< 0.33		< 0.33		< 0.30				
Vinyl Chloride	0000750	0.2	0.02	< .17		< .17		< .18		< .15								< 0.18		< 0.18		< 0.18		< 0.20				
Xylene - M & P	1796012	2000	400	< .28		< .22		< .33		< .46								< 1.0		< 1.0		< 1.0		< 0.98				
Xylene - O	0000954	2000	400	< .17		< .16		< .24		< .22								< 0.50		< 0.50		< 0.50		< 0.35				

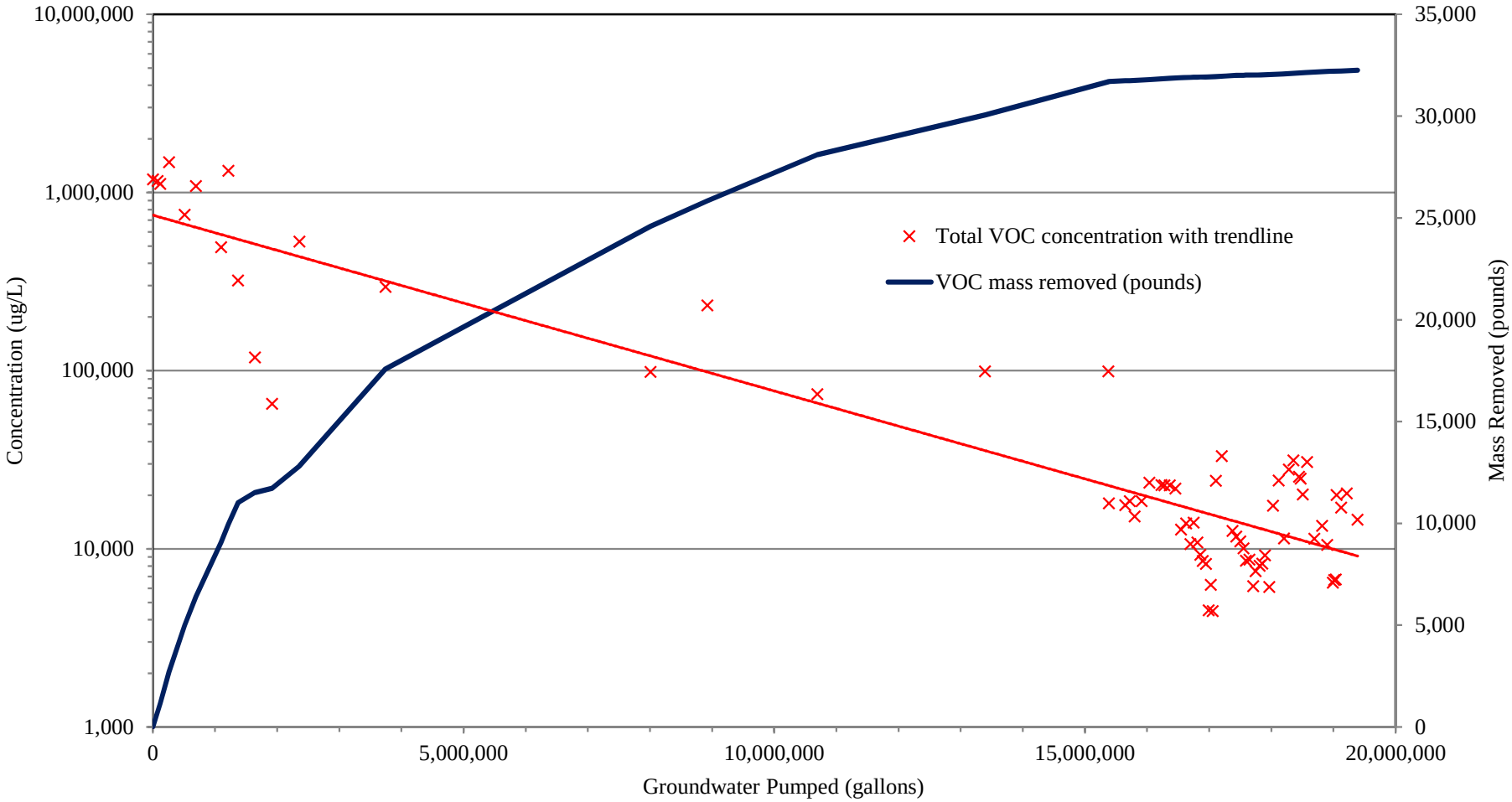
616 **S9N**

RESULTS MONTH/YEAR

DESCRIPTION	CASNUM	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13Du	05/14	10/14	12/14	06/15	11/15	05/16	10/16	5/17	10/17	05/18	09/18	10/18	05/19	10/19
1,1,1-Trichloroethane	0000715	200	40	< .13		< .2		< .22		< .21		< 0.44												< 0.36				
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .17		< .23		< .25		< 0.39												< 0.40				
1,1-Dichloroethane	0000753	850	85	< .17		< .16		< .21		< .19		< 0.28												< 0.31				
1,1-Dichloroethene	0000753	7	0.7	< .22		< .15		< .21		< .2		< 0.43												< 0.28				
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .23		< .27		< .26		< 0.77												< 0.17				
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .3		< .32		< .28		< 2.5												< 0.21				
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .12		< .2		< .21		< 0.42												< 0.25				
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .16		< .19		< 0.44												< 0.22				
1,2-Dichloroethane	0001070	5	0.5	< .15		< .22		< .16		< .24		< 0.48												< 0.17				
1,2-Dichloropropane	0000788	5	0.5	< .33		< .21		< .22		< .2		< 0.50												< 0.25				
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .13		< .26		< .19		< 0.37												< 0.28				
1,4-Dichlorobenzene	0001064	75	15	< .3		< .13		< .22		< .22		< 0.43												< 0.21				
124TRIMTHLBENZEN	0000956	480	96	< .19		< .12		< .18		< .24		< 0.57												< 0.37				
135TRIMTHLBENZEN	0001086	480	96	< .19		< .12		< .2		< .25		< 2.5												< 0.29				
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .15		< .2		< .26		< 0.48												< 0.32				
Acetone	0000676	9000	1800	< 4		12		< 4.2		6.3		7.9												< 0.92				
Benzene	0000714	5	0.5	< .24		< .13		< .2		< .26		< 0.50												< 0.30				
Chloroethane	0000750	400	80	< 1.1		< .67		< 1.5		< 2.1		< 0.44												< 0.29				
Chloroform	0000676	6	0.6	< .13		< .13		< .2		< .23		< 0.69												< 0.26				
Chloromethane	0000748	30	3	< .23		< .28		< .23		< .24		0.41												< 0.17				
Dichlorodifluoromethan	0000757	1000	200	< .25		< .13		< .29		< .19		< 0.40												< 0.13				
Ethylbenzene	0001004	700	140	< .15		< .12		< .21		< .22		< 0.50												< 0.40				
Fluorotrichloromethane	0000756	3490	698	< .21		< .11		< .32		< .25		< 0.48												< 0.20				
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .36		< .45		< .23		< 1.3												< 0.24				
Isopropyl Alcohol	0000676	NSE	NSE	< 10		< 14		< 8.3		< 6.3		< 40.8												NA				
Isopropyl ether	0001082	NSE	NSE	< .16		< .2		< .25		< .19		< 0.50												< 0.13				
Isopropylbenzene	0000988	NSE	NSE	< .18		< .1		< .22		< .22		< 0.34												< 0.31				
Methyl Ethyl Ketone	0000789	4000	800	< .5		1.1		< 1		< 1		< 2.7												< 0.58				
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .64		< .53		< .31		< 2.3												< 0.11				
Methyl tert-butyl Ether	0016340	60	12	< .19		< .13		< .28		< .19		< 0.49												< 0.12				
Methylene Chloride	0000750	5	0.5	< .22		< .27		< .48		< .4		< 0.36												< 0.56				
Naphthalene	0000912	100	10	< .32		< .31		< .41		< .32		< 2.5												< 0.18				
n-Butylbenzene	0001045	NSE	NSE	< .23		< .14		< .18		< .24		< 0.40												< 0.22				
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .11		< .19		< .2		< 0.40												< 0.14				
Styrene	0001004	100	10	< .2		< .11		< .17		< .19		< 0.35												< 0.24				
Tetrachloroethene	0001271	5	0.5	< .12		< .18		< .21		< .15		< 0.47												< 0.27				
Toluene	0001088	800	160	< .18		.32		< .17		< .23		< 0.44												< 0.37				
Total TriMthBenzenes	TOTALT	480	96	< .19		< .12		< .18		< .24		< .57												< .66				
Total Xylenes	TOTAL X	2000	400	< .17		< .16		< .24		< .22		< .5												< 1.33				
Trichloroethene	0000790	5	0.5	< .37		< .16		< .17		< .25		< 0.43												< 0.30				
Vinyl Chloride	0000750	0.2	0.02	< .17		< .17		< .18		< .15		< 0.18												< 0.20				
Xylene - M & P	1796012	2000	400	< .28		< .22		< .33		< .46		< 0.82												< 0.98				
Xylene - O	0000954	2000	400	< .17		< .16		< .24		< .22		< 0.50												< 0.35				

APPENDIX F-1

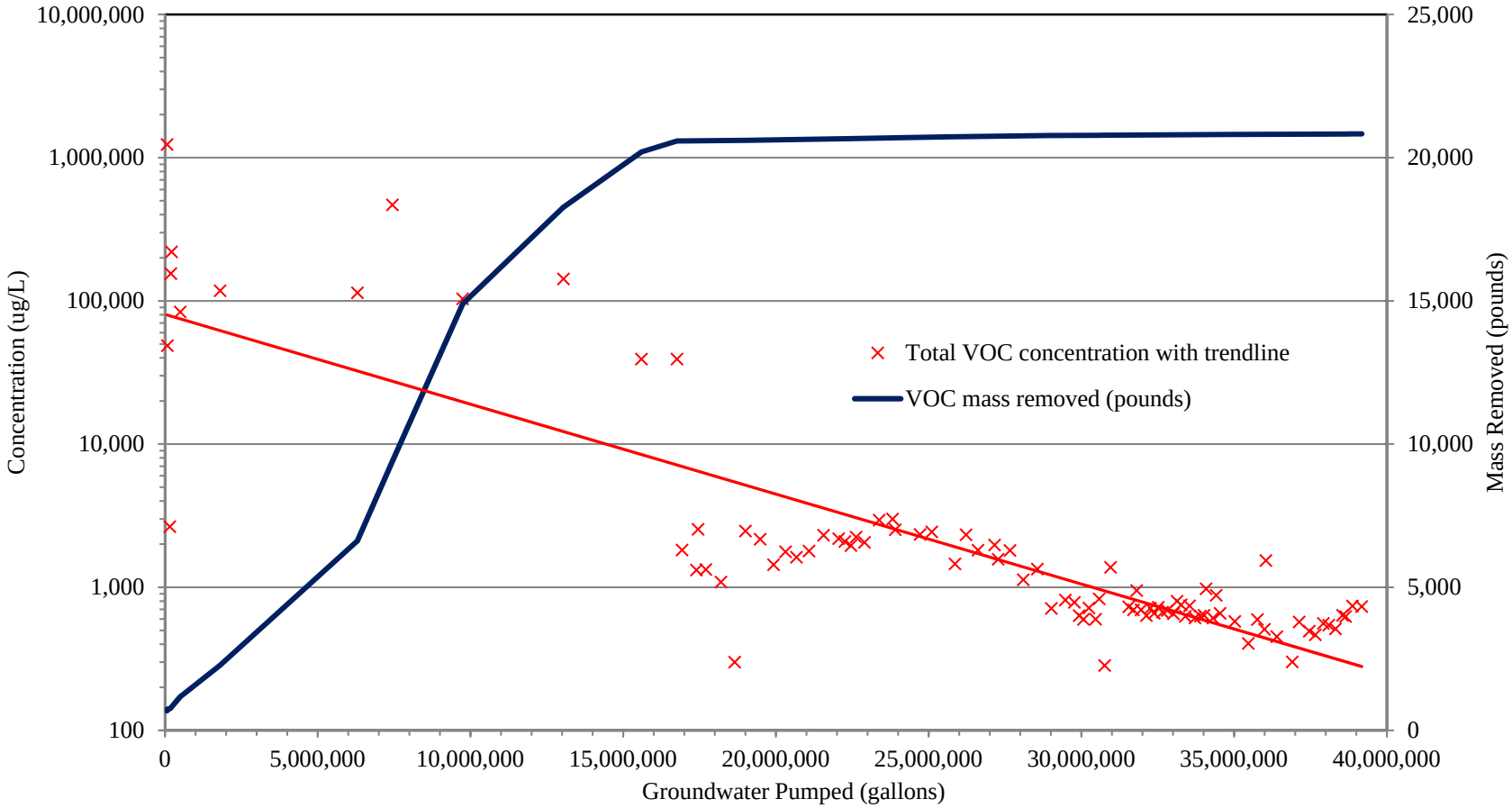
CHARTS WITH TRENDS IN VOC CONCENTRATIONS IN RECOVERY WELLS



Note: Best-fit exponential trend line generated using Excel.

TOTAL VOC CONCENTRATIONS AND MASS REMOVED BY RW-6 (MAY 1989 THROUGH OCTOBER 2019)

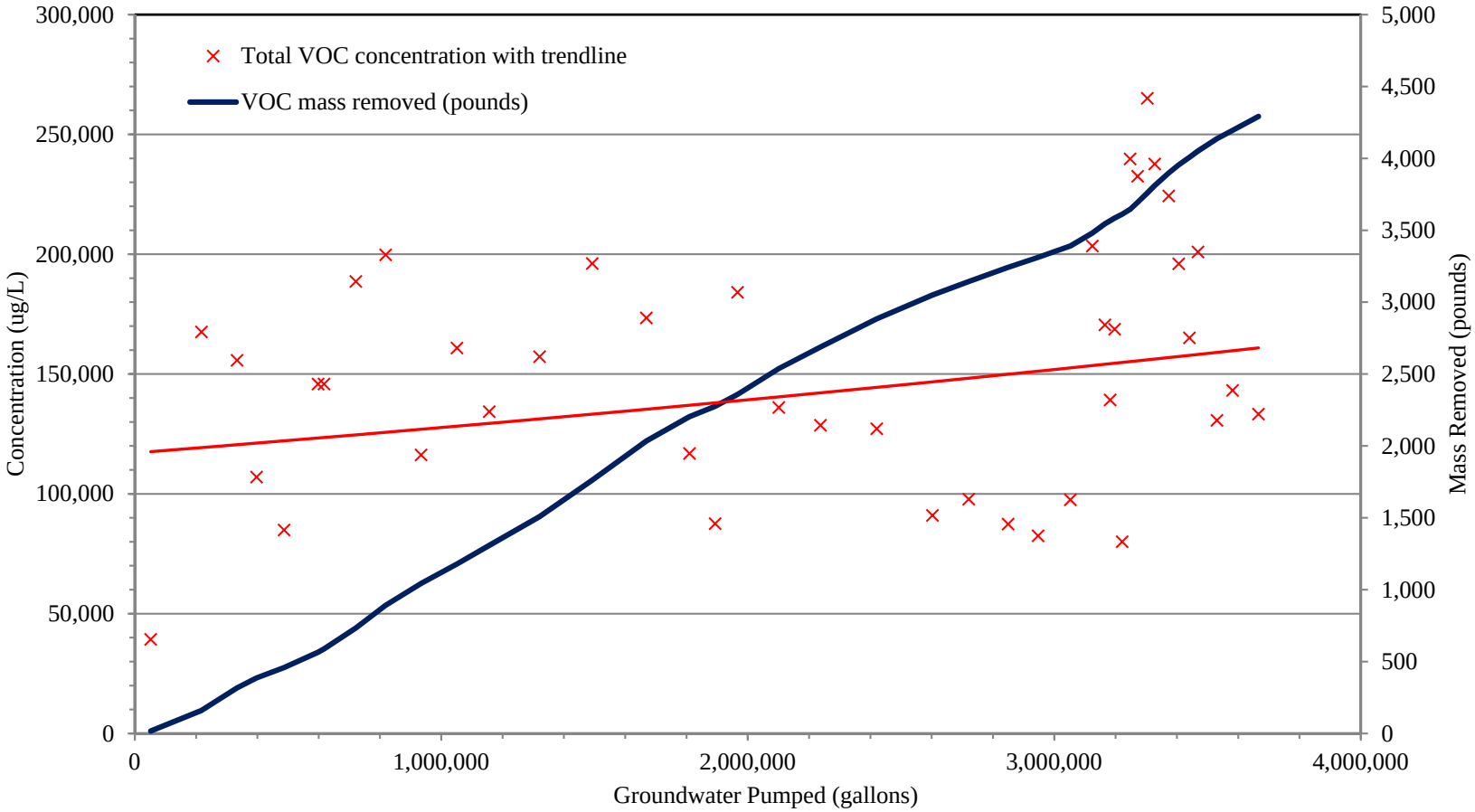
WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN



Note: Best-fit exponential trend line generated using Excel.

TOTAL VOC CONCENTRATIONS AND MASS REMOVED BY RW-7 (JULY 1991 THROUGH OCTOBER 2019)

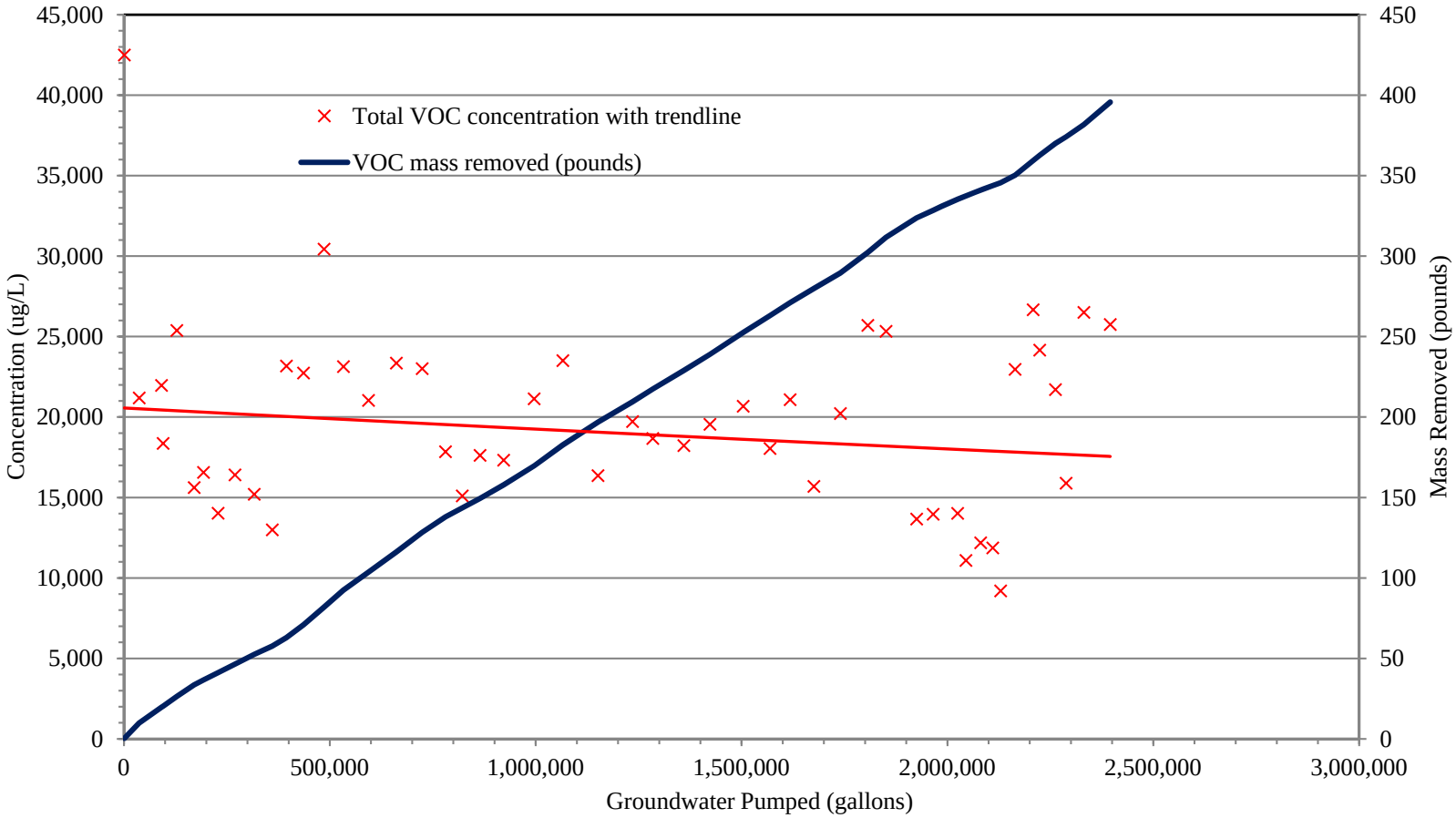
WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN



Note: Best-fit exponential trend line generated using Excel.

TOTAL VOC CONCENTRATIONS AND MASS REMOVED BY RW-10 (DECEMBER 2014 THROUGH OCTOBER 2019)

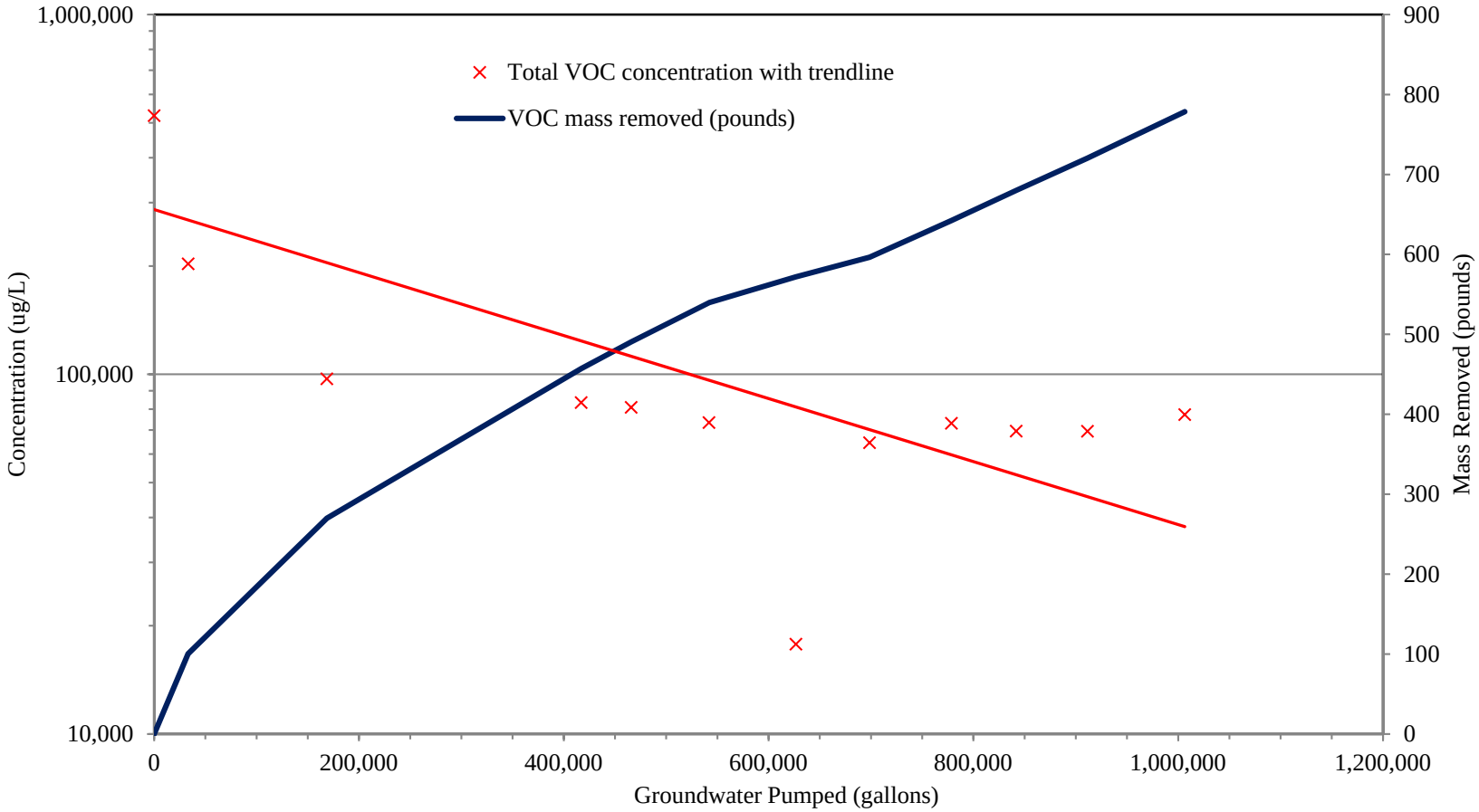
WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN



Note: Best-fit exponential trend line generated using Excel.

TOTAL VOC CONCENTRATIONS AND MASS REMOVED BY RW-11 (DECEMBER 2014 THROUGH OCTOBER 2019)

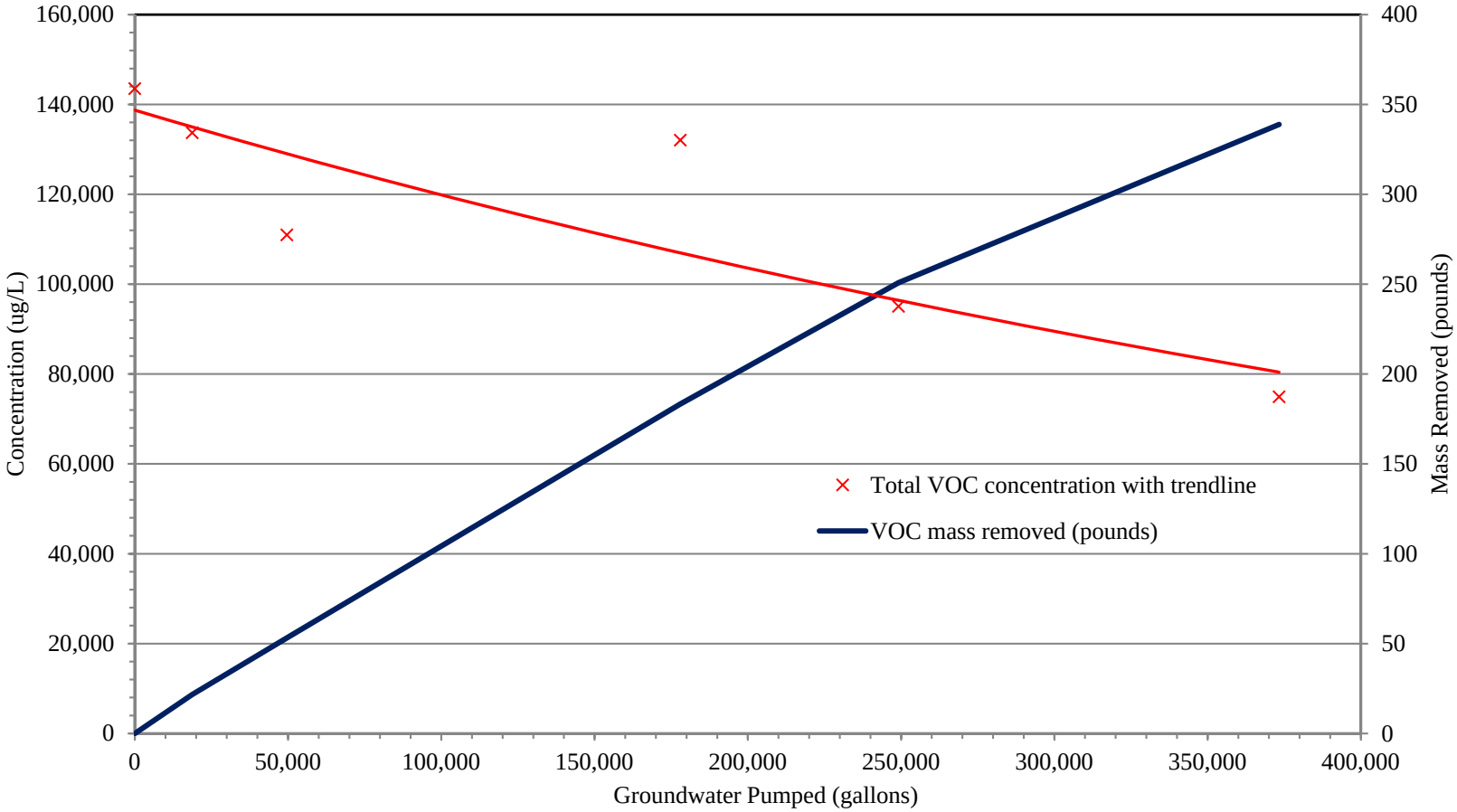
WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN



Note: Best-fit exponential trend line generated using Excel.

TOTAL VOC CONCENTRATIONS AND MASS REMOVED BY RW-12 (NOVEMBER 2017 THROUGH OCTOBER 2019)

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN



Note: Best-fit exponential trend line generated using Excel.

TOTAL VOC CONCENTRATIONS AND MASS REMOVED BY RW-13 (JANUARY THROUGH OCTOBER 2019)

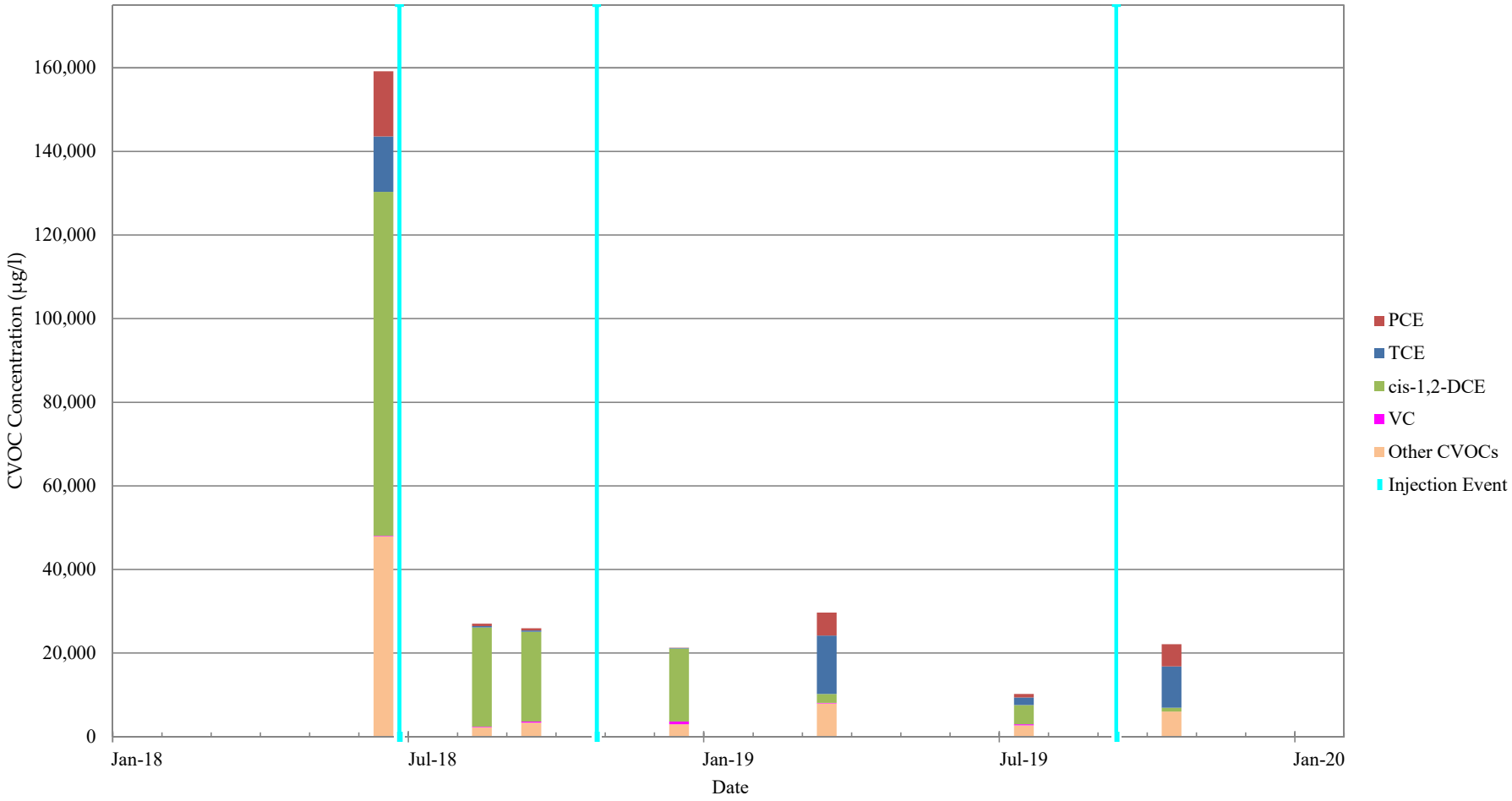
WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

APPENDIX F-2

CHARTS WITH TRENDS IN CVOC CONCENTRATIONS MEASURED IN IN SITU REDUCTIVE DECHLORINATION WELLS

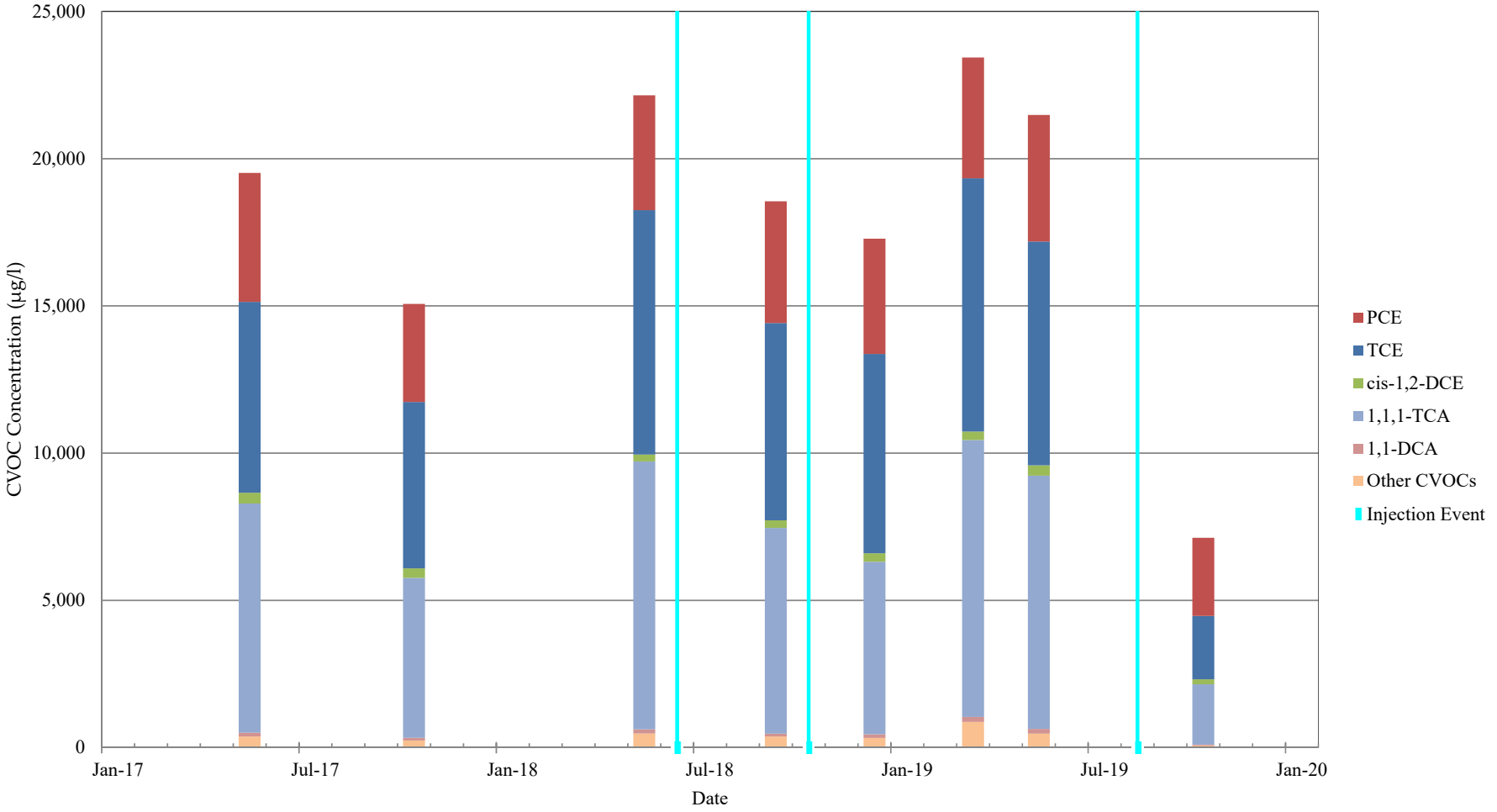
WRR ENVIRONMENTAL SERVICES CO., INC.

DETECTED CVOC CONCENTRATIONS IN GROUNDWATER FROM SVE-4



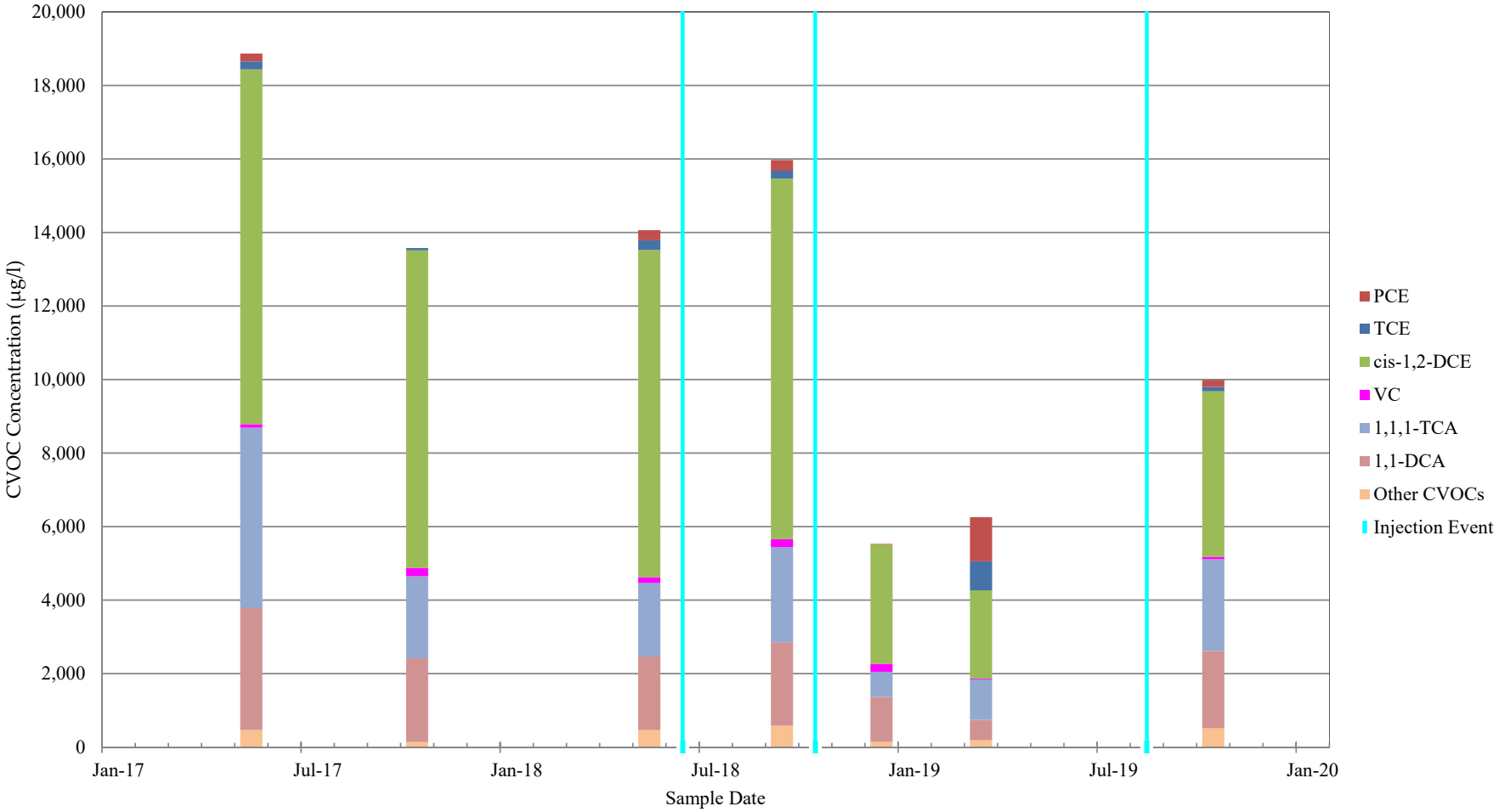
WRR ENVIRONMENTAL SERVICES CO., INC.

DETECTED CVOC CONCENTRATIONS IN MONITORING WELL W-32



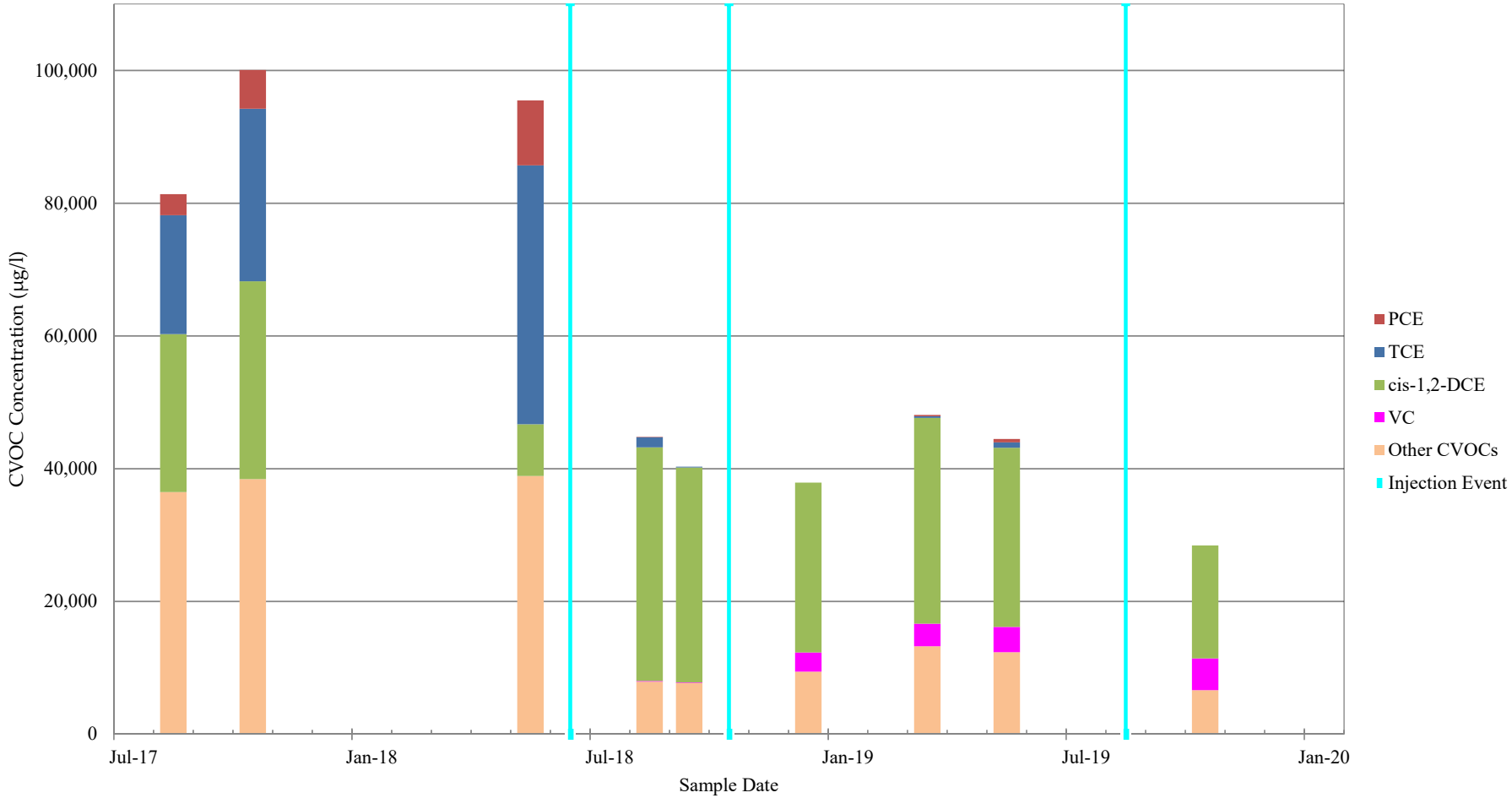
WRR ENVIRONMENTAL SERVICES CO., INC.

CHLORINATED VOC CONCENTRATIONS IN MONITORING WELL W-33



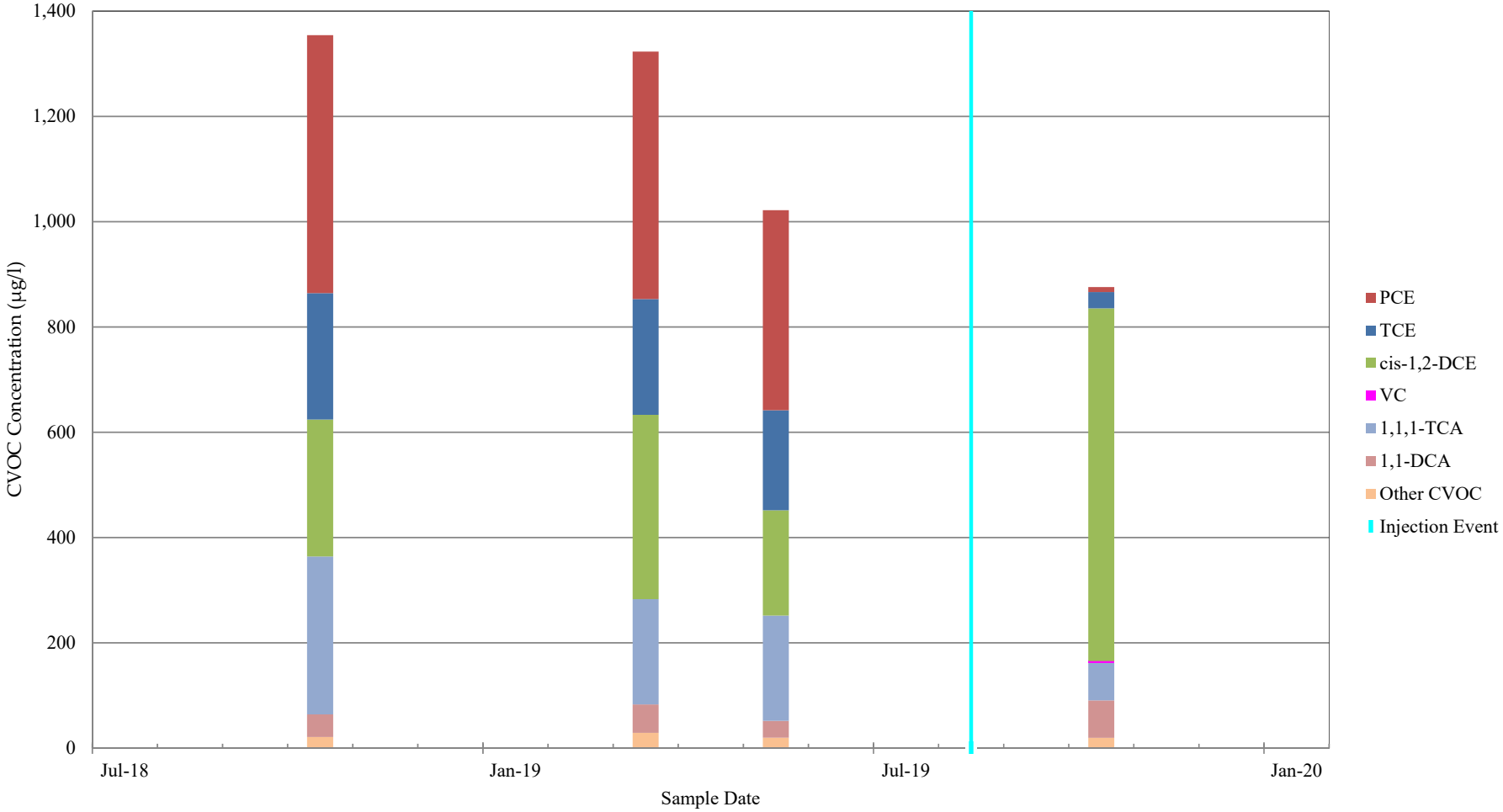
WRR ENVIRONMENTAL SERVICES CO., INC.

CHLORINATED VOC CONCENTRATIONS IN MONITORING WELL W-34



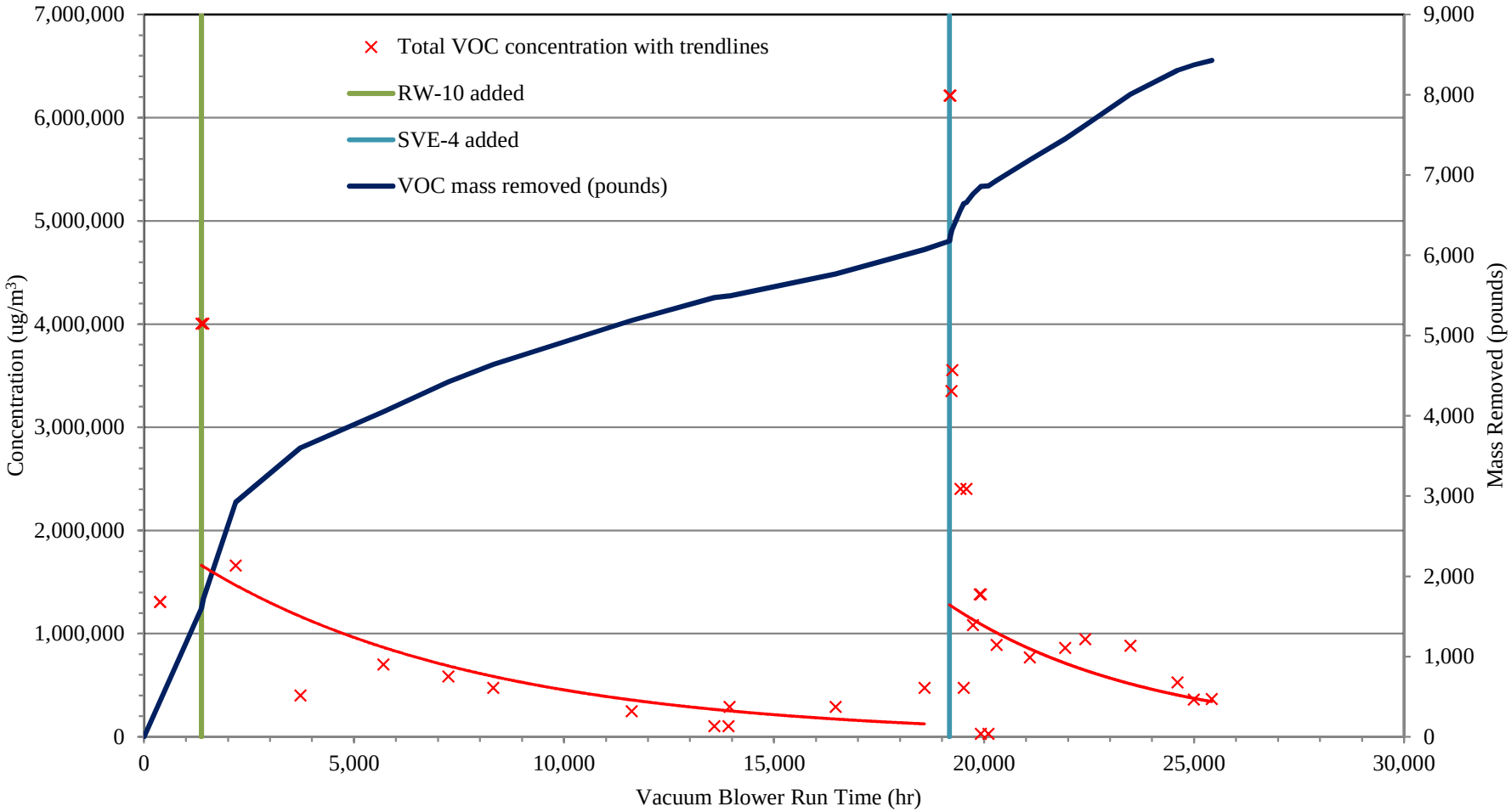
WRR ENVIRONMENTAL SERVICES CO., INC.

CHLORINATED VOC CONCENTRATIONS IN MONITORING WELL W-35



APPENDIX F-3

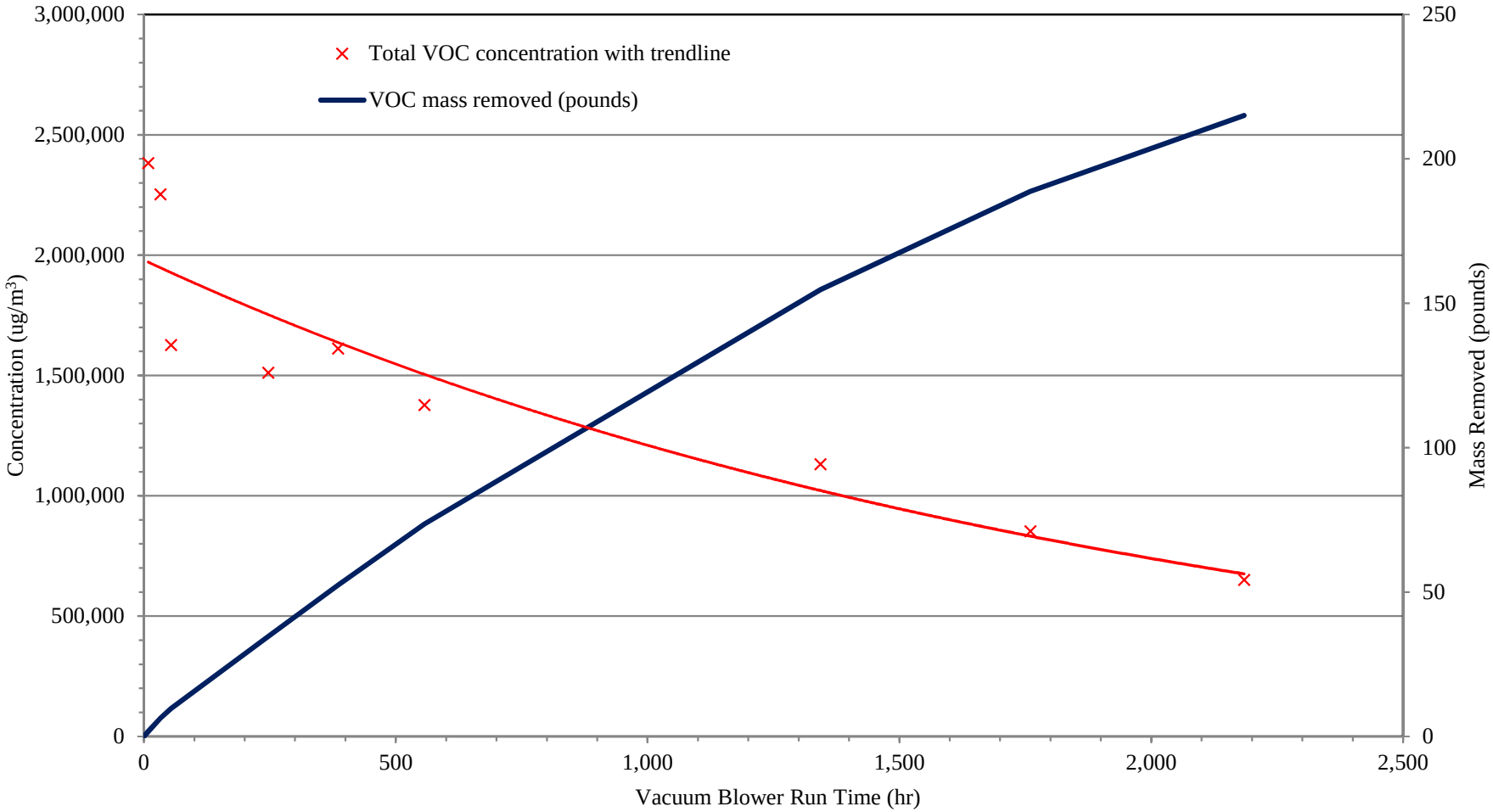
CHARTS WITH TRENDS IN VOC CONCENTRATIONS IN EXHAUST GAS SAMPLES COLLECTED FROM THE SVE SYSTEMS



Note: Best-fit exponential trend lines generated using Excel.

TOTAL VOC CONCENTRATIONS AND MASS REMOVED BY MAIN SVE SYSTEM (JULY 2016 - OCTOBER 2019)

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN



Note: Best-fit exponential trend line generated using Excel.

TOTAL VOC CONCENTRATIONS AND MASS REMOVED BY SVE-5 VENT SYSTEM (AUGUST - OCTOBER 2019)

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN