TRANSMITTAL LETTER

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To:	Michael Schmoller Project Manager Wisconsin Department of Natural Resources South Central Region 3911 Fish Hatchery Road Fitchburg, WI 53711	**Date:** **Project No:** **Project Name:**	September 17, 2018 292257 Phase 4 Madison-Kipp Corporation Groundwater and Soil Vapor Extraction and Treatment Systems BRRTS No. 02-13-558625 Facility ID No. 113125320

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Enclosed is a hard copy of the Operations, Monitoring, and Maintenance Semi-Annual Report for the period of January 1, 2018 through June 30, 2018 for the Madison-Kipp Corporation. The file has been uploaded to the WDNR FTP site.

Please contact me at 608-826-3665 if you have any questions.

Sincerely,

Andrew M. Stehn

Andrew Stehn
Project Engineer

cc: Tony Koblinski – Madison-Kipp Corporation (electronic)

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September 17, 2018

Mr. Michael Schmoller
Wisconsin Department of Natural Resources
South Central Region
3911 Fish Hatchery Road
Fitchburg, WI 53711

Subject: Operations, Monitoring, and Maintenance Semi-annual Report – January 1, 2018 – June 30, 2018, Groundwater and Soil Vapor Extraction Treatment Systems
Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin
Facility ID #113125320, WDNR BRRTS #02-13-558625

Dear Mr. Schmoller:

TRC Environmental Corp. (TRC), on behalf of Madison-Kipp Corp. (MKC), is reporting on the operation, monitoring, and maintenance (OM&M) of the groundwater and soil vapor extraction treatment systems at MKC's facility at 201 Waubesa Street, Madison, Wisconsin (Site). Wisconsin Department of Natural Resources (WDNR) Form 4400-194 was completed per the requirements of NR 724.13(3). A comprehensive summary and discussion of the site will be included in the 2018 Annual Report which will be submitted in early 2019.

Groundwater Extraction and Treatment System OM&M

MKC is operating a Groundwater Extraction and Treatment System (GETS) for extraction and treatment of tetrachloroethene (PCE)-impacted groundwater.

GETS System Operation

A total of approximately 9,970,747 gallons of groundwater were treated between January 1, 2018 and June 30, 2018. A GETS operation summary log for this reporting period is included in Table 1. During this reporting period approximately 178 pounds of VOCs were removed. A trend plot depicting the cumulative VOCs removed over time since the start-up of the GETS system is included in Trend Plot A.1 of Attachment 1. In addition, the trend plot showing PCE concentration verses time for the groundwater extraction well (GWE-1) is include in Trend Plot A.2 of Attachment 1. Additional system operation information is noted in the attached Remediation Site Operation, Maintenance, Monitoring, and Optimization Report Form 4400-194 in Attachment 2.

GETS Monthly Discharge Monitoring Reports

MKC submits monthly Discharge Monitoring Reports (DMRs) required for the system operation and discharge permit (Wisconsin Pollution Discharge Elimination System (WPDES) Permit number WI-0046566-6). The DMRs for January through June 2017 were submitted to the WDNR with their respective laboratory analytical reports. A copy of the last submittal from the June 2018 monitoring event is included in Attachment 3.

For performance monitoring and permit compliance, TRC collects samples of the extracted groundwater (GETS influent) and treated groundwater (GETS effluent) on a monthly basis. Table 2 provides the influent and effluent laboratory analytical results for this reporting period.

GETS Monthly Vapor Sampling

The SVE system and GETS produce gases which are combined and treated with granular activated carbon (GAC) for removal of vapor-phase volatile organic compounds (VOCs). The GAC influent and GAC effluent gas are sampled on a monthly basis for performance and compliance monitoring. An analytical summary table with influent and effluent results are included in Table 3 for this reporting period and the laboratory analytical reports are included in Attachment 4. The influent and effluent concentration of total VOCs compared to time, is provided in Trend Plot A.3 in Attachment 1. An emission rate was calculated based on the effluent analytical results and combined system flow rate; and results were compared to NR 445 and NR 406. No regulatory standards for effluent emissions from the combined systems were exceeded. Tables 4 through 8 include a summary of the monthly emission rates for total VOCs, PCE, trichloroethene (TCE), cis-1,2, dichloroethene (cis-1,2-DCE), and vinyl chloride (VC) for this reporting period.

TRC completed an assessment of the influent and effluent concentrations of VOCs to evaluate the GAC component of the treatment system. During this evaluation, loading rates for total VOCs, PCE, TCE, cis-1,2-DCE, and VC were calculated based on the influent results (pre-carbon treatment). Currently, with the GETS and SVE systems in operation together, the gas concentrations measured pre-carbon treatment are below the established NR 445 and NR 406 regulatory standards. A summary of these calculations are included in Table 9 through 13.

Soil Vapor Extraction System OM&M

MKC is operating an SVE system for extraction and treatment of shallow soil vapor on the east-northeast portion of the Site. The system began permanent operation in May 2013 and has been in operation since.

SVE System Operation

The SVE system was operated on a continuous basis during this reporting period, with the exception of occasional maintenance shut-downs to complete general maintenance and repairs. Weekly system operation readings are obtained by MKC personnel and a summary of the operational parameters are included in Table 14 for this reporting period.

SVE Monthly Vapor Sampling

The treatment and sampling of the gases removed from the SVE are described in the above GETS Monthly Vapor Sampling section. Soil gas monitoring is completed on an annual basis, which was last completed in July 2017, the 2018 annual monitoring event is proposed for October 2018. Additional system operation information is noted in the attached Remediation Site Operation, Maintenance, Monitoring, and Optimization Report Form 4400-194 in Attachment 2.

Site Groundwater Monitoring

Water level gauging and groundwater sampling at the Site for the first half of the 2017 calendar year was conducted as summarized in Table 15.

Monitoring Well Network and Sampling Program

The Site contains 40 monitoring wells, 4 multi-port wells, and one operational extraction well (GWE-1). The wells are installed in unconsolidated units and/or bedrock and their locations are shown on Figure 2. The Site's near-surface geology consists of two unconsolidated units consisting of fill material and glacially-derived deposits, which overlie three bedrock formations (Lone Rock, Wonewoc, and Eau Claire).

Groundwater Flow Conditions

Water levels at 40 Site monitoring wells and 20 multi-port well intervals were gauged on April 2, 2018. The groundwater elevations are summarized in Table 16, and the April water table map and potentiometric surface maps are shown on Figures 3 through 7.

Groundwater Sampling Results

Groundwater samples from the monitoring wells and associated quality control samples were analyzed for VOCs, geochemical field parameters, and/or PCBs. The results from the groundwater sampling to date are included in Table 17 and the laboratory analytical report for April 2018 monitoring event is included in Attachment 5. Figure 2 includes the results for the April 2018 monitoring event. A time versus concentration plot for the monitoring well with the highest tetrachloroethene concentration (MW-17) is include in Trend Plot A.4 in Attachment 1. A more extensive round of groundwater monitoring is

planned for October 2018 as indicated in Table 15. Isoconcentrations maps and a discussion on groundwater quality will be included in the 2018 Annual Report.

Conclusions/Recommendations

The OM&M activities for the SVE and GETS were completed as required at the Site during this reporting period. Both systems operated continuously throughout this reporting period, with the exception of routine maintenance and repairs for the GETS and SVE systems.

Site groundwater monitoring was completed in April 2018. As additional monitoring events are completed, further analyses will be completed to continue to evaluate the effectiveness of the GETS. A more extensive round of groundwater monitoring is planned for October 2018. Isoconcentrations maps and a discussion on groundwater quality will be included in the 2018 Annual Report.

TRC on behalf of MKC has submitted a work plan to begin the shutdown of the onsite SVE system. Upon review and comments from the WDNR, the SVE system adjustments will be made as necessary. The annual soil gas monitoring will be completed in October 2018 as part of the SVE system shutdown.

Based on the results of the January through June 2018 OM&M, the following work is planned for the remainder of the 2018 calendar year:

- GETS operation;
- SVE shutdown;
- Compliance monitoring;
- Groundwater monitoring (October 2018);
- Soil-Gas monitoring (October 2018); and
- Annual report preparation.

If you have any questions or comments related to this report, please contact Andrew Stehn (608-826-3665) or Katherine Vater (608-826-3663) of TRC.

Sincerely,

TRC Environmental Corporation

Andrew Stehn, P.E.
Senior Project Engineer

Katherine Vater, P.E.
Project Manger

cc: Tony Koblinski – MKC (electronic)

List of Tables

Table 1	Summary of Groundwater Extraction System Operation and Mass Removal – January - June 2018
Table 2	GETS WPDES Compliance Sample Results – January - June 2018
Table 3	Combined SVE and GETS Gas Analytical Data – January - June 2018
Table 4	Estimate of GAC Effluent Emissions - Total Volatile Organic Compounds
Table 5	Estimate of GAC Effluent Gas Emissions for Tetrachloroethene
Table 6	Estimate of GAC Effluent Gas Emissions for Trichloroethene
Table 7	Estimate of GAC Effluent Gas Emissions for cis-1, 2-Dichloroethene
Table 8	Estimate of GAC Effluent Gas Emissions for Vinyl Chloride
Table 9	Estimate of GAC Influent Gas Rate - Total Volatile Organic Compounds
Table 10	Estimate of GAC Influent Gas Rate for Tetrachloroethene
Table 11	Estimate of GAC Influent Gas Rate for Trichloroethene
Table 12	Estimate of GAC Influent Gas Rate for cis-1, 2-Dichloroethene
Table 13	Estimate of GAC Influent Gas Rate for Vinyl Chloride
Table 14	Summary of SVE Operations – January 2018 - June 2018
Table 15	Groundwater Monitoring Plan - 2018
Table 16	Summary of Groundwater Elevations - April 2, 2018
Table 17	Groundwater Analytical Results Summary

List of Figures

Figure 1	Site Location Map
Figure 2	Well Locations Map with Tetrachloroethene (PCE) Concentrations April 2018
Figure 3	Water Table Elevations April 2018
Figure 4	Upper Lone Rock Formation Potentiometric Surface April 2018
Figure 5	Lower Lone Rock Formation Potentiometric Surface April 2018
Figure 6	Upper Wonewoc Formation Potentiometric Surface April 2018
Figure 7	Lower Wonewoc Formation Potentiometric Surface April 2018
Figure 8	Soil Vapor Extraction Well and Vapor Monitoring Point Location Map

List of Attachments

Attachment 1	Trend Plots
Attachment 2	Remediation Site Operation, Maintenance, Monitoring, and Optimization Report Form 4400 194
Attachment 3	June 2018 WPDES DMR Submittal
Attachment 4	Monthly SVE/GETS Influent and Effluent Vapor Laboratory Analytical Results
Attachment 5	Semi-annual Groundwater Monitoring Laboratory Analytical Reports

Table 1
Summary of Groundwater Extraction System Operation and Mass Removal - January - June 2018
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

DATE		GROUNDWATER DISCHARGED THIS PERIOD (gal)	CUMULATIVE GROUNDWATER DISCHARGED (gal)[1]	AVERAGE DISCHARGE FLOW RATE[2],[5] (gpd)	AVERAGE DISCHARGE FLOW RATE[2],[5] (gpm)	INFLUENT SAMPLE RESULTS[3] VOCs (µg/L)	EFFLUENT SAMPLE RESULTS[3] VOCs (µg/L)	CUMULATIVE VOCs REMOVED[1],[4] (pounds)	COMMENTS
1/2/2018	1/2/2018 8:30	--	--	--	--	NS	NS	660	Readings were taken from two different displays causing inaccurate flow rate calculation
1/8/2018	1/8/2018 12:30	356,319	46,748,474	57,781	40	2180	52.8	670	
1/10/2018	1/10/2018 8:26	118,697	46,867,171	64,842	45	NS	NS	670	
1/17/2018	1/17/2018 10:27	458,671	47,325,842	64,747	45	NS	NS	680	
1/23/2018	1/23/2018 13:45	397,288	47,723,130	64,731	45	NS	NS	680	
2/6/2018	2/6/2018 10:26	897,392	48,620,522	64,738	45	2010	41.3	700	
2/13/2018	2/13/2018 11:53	457,302	49,077,824	64,770	45	NS	NS	710	
2/21/2018	2/21/2018 13:08	516,077	49,593,901	64,092	45	NS	NS	710	
2/28/2018	2/28/2018 8:40	416,461	50,010,362	61,119	42	NS	NS	720	
3/5/2018	3/5/2018 13:50	299,836	50,310,198	57,492	40	NS	NS	730	
3/7/2018	3/7/2018 8:13	101,613	50,411,811	57,539	40	NS	NS	730	Pre-shutdown for maintenance work
3/8/2018	3/8/2018 14:50	4,961	50,416,772	3,889	3	2200	49.16	730	Post-start up from maintenance work
3/13/2018	3/13/2018 11:24	311,713	50,728,485	64,179	45	NS	NS	730	
3/19/2018	3/19/2018 12:16	390,787	51,119,272	64,742	45	NS	NS	740	
3/26/2018	3/26/2018 12:16	453,012	51,572,284	64,716	45	NS	NS	750	
4/3/2018	4/3/2018 8:41	508,148	52,080,432	64,727	45	1970	40.4	760	
4/10/2018	4/10/2018 12:20	166,029	52,246,461	23,214	16	NS	NS	760	
4/17/2018	4/17/2018 12:38	916,297	52,996,729	64,689	45	NS	NS	770	Readings were taken from two different displays causing inaccurate flow rate calculation
4/26/2018	4/26/2018 13:31	--	--	--	--	NS	NS	770	Meter reading recorded not consistent with previous collected data, flow calculations not completed.
4/27/2018	4/27/2018 13:25	610,206	53,606,935	60,822	42	NS	NS	780	
5/8/2018	5/8/2018 10:39	391,953	53,998,888	36,009	25	2629.4	50.3	790	GETS compliance samples were collected on 5/1/2018. System was shut down for maintenance following.
5/9/2018	5/9/2018 11:16	--	--	--	--	NS	NS	790	Meter reading recorded not consistent with previous collected data, flow calculations not completed.
5/17/2018	5/17/2018 10:09	516,309	54,515,197	57,501	40	NS	NS	800	
5/25/2018	5/25/2018 11:14	124,917	54,640,114	15,527	11	NS	NS	810	
5/31/2018	5/31/2018 8:29	--	--	--	--	NS	NS	810	Meter reading recorded not consistent with previous collected data, flow calculations not completed.
6/6/2018	6/6/2018 12:46	693,517	55,333,631	57,487	40	1990	30.2	820	
6/12/2018	6/12/2018 14:00	347,876	55,681,507	57,487	40	NS	NS	820	
6/15/2018	6/15/2018 17:37	181,182	55,862,689	57,505	40	NS	NS	830	
6/27/2018	6/27/2018 13:30	125,517	55,988,206	10,611	7	NS	NS	830	GETS was shut down for multiple days between June 20-25 due extraction well pump repairs.

Notes:

Updated By: B. Wachholz 7/11/201

The total gallons treated and VOCs removed by the GETS prior to January 2018 is further discussed in the Operations, Monitoring, and Maintenance Semi-Annual Report for July 1, 2017 - December 31, 20

Checked By: A. Stehn 9/10/2018

-- = Field reading recorded is not consistent with previous collected data and not used for calculations, or system issues did not allow a reading to be obtained.

VOCs = Volatile Organic Compounds

WDNR = Wisconsin Department of Natural Resources

WPDES = Wisconsin Pollution Discharge Elimination System

DMR = Discharge Monitoring Report

GETS = Groundwater Extraction and Treatment System

Footnotes:

1. The cumulative groundwater treated through December 31, 2017 and cumulative VOCs removed were reported in Operations, Monitoring, and Maintenance Semi-Annual Report for July 1, 2017 - December 31, 2017 and reports referenced therein (TRC, February, 2018).
2. The GETS standard operation is 45 gpm. The average discharge flow rate calculations noted take into account system down time and are based on volume of groundwater extracted and time elapsed between monitoring events.
3. Analytical laboratory reports were submitted to the WDNR each month during this reporting period with the WPDES DMR submittal (Permit WI-0046566-6).
4. Compliance sampling is completed on a monthly basis. For weeks where samples were not collected the previously obtained sampling data was used for cumulative VOCs calculations.
5. The extraction and transfer pumps for the GETS contain variable speed frequency drives that fluctuate based on liquid levels in the equalization and mixing tank along with the air stripper liquid level. At times the flow will fluctuate and readings collected over a few days time may reflect bias results for the overall system operation.

Table 2
GETS WPDES Compliance Sample Results - January - June 2018
Madison-Kipp Corporation Site
201 Waubesa Street, Madison, Wisconsin

PARAMETER[3]	PERMIT DISCHARGE LIMITS	UNIT	LOCATION SAMPLE DATE											
			INFLUENT 1/8/2018	EFFLUENT 1/8/2018	INFLUENT 2/6/2018	EFFLUENT 2/6/2018	INFLUENT 3/8/2018	EFFLUENT 3/8/2018	INFLUENT 4/3/2018	EFFLUENT 4/3/2018	INFLUENT 5/1/2018	EFFLUENT 5/1/2018	INFLUENT 6/6/2018	EFFLUENT 6/6/2018
Miscellaneous														
Oil & Grease	10	mg/L	--	--	--	--	<1.4	<1.4	--	--	--	--	<1.3	2.5 J B
Chloride	395	mg/L	--	--	--	--	130	160	--	--	--	--	130	120
Total Suspended Solids	40	mg/L	--	--	--	--	<1.9	<1.9	--	--	<1.9	<1.9	2.0 J	3.5 J
Biological Oxygen Demand	20	mg/L	--	--	--	--	<2.0	<2.0	--	--	--	--	<2.0	<2.0
VOCs														
1,1,1-Trichloroethane	50	µg/L	<1.9	<0.38	<0.76	<0.38	<0.76	<0.38	<1.9	<0.38	<1.9	<0.38	<1.9	<0.38
1,1,2,2-Tetrachloroethane	50	µg/L	<2.0	<0.40	<0.80	<0.40	<0.80	<0.40	<2.0	<0.40	<2.0	<0.40	<2.0	<0.40
1,1,2-Trichloroethane	50	µg/L	<1.8	<0.35	<0.70	<0.35	<0.70	<0.35	<1.8	<0.35	<1.8	<0.35	<1.8	<0.35
1,1-Dichloroethene	50	µg/L	<2.0	<0.39	<0.78	<0.39	<0.78	<0.39	<2.0	<0.39	<2.0	<0.39	<2.0	<0.39
1,2-Dichloroethane	180	µg/L	<2.0	<0.39	<0.78	<0.39	<0.78	<0.39	<2.0	<0.39	<2.0	<0.39	<2.0	<0.39
Benzene	50	µg/L	<0.73	<0.15	<0.29	<0.15	<0.29	<0.15	<0.73	<0.15	<0.73	<0.15	<0.73	<0.15
Bromodichloromethane	120	µg/L	<1.9	<0.37	<0.74	<0.37	<0.74	<0.37	<1.9	<0.37	<1.9	<0.37	<1.9	<0.37
Bromoform	120	µg/L	<2.2	<0.45	<0.89	<0.45	<0.89	<0.45	<2.2	<0.45	<2.2	<0.45	<2.2	<0.45
Bromomethane	NE	µg/L	<3.2	<0.65	<1.3	<0.65	<1.3	<0.65	<3.2	<0.65	<3.2	<0.65	<3.2	<0.65
Carbon Tetrachloride	150	µg/L	<1.9	<0.38	<0.77	<0.38	<0.77	<0.38	<1.9	<0.38	<1.9	<0.38	<1.9	<0.38
cis-1,2-Dichloroethene	NE	µg/L	170	17	130	15	120	18	110	15	450	25	120	11
Chloromethane	NE	µg/L	<1.6	<0.32	<0.64	<0.32	<0.64	<0.32	<1.6	<0.32	<1.6	<0.32	<1.6	<0.32
Ethylbenzene	NE	µg/L	<0.92	<0.18	<0.37	<0.18	<0.37	<0.18	<0.92	<0.18	<0.92	<0.18	<0.92	<0.18
Tetrachloroethene	50	µg/L	1800	29	1700	21	1900	24	1700	20	1800	18	1700	15
Toluene	NE	µg/L	<0.76	<0.15	<0.30	<0.15	<0.30	0.16 J	<0.76	<0.15	<0.76	<0.15	<0.76	<0.15
Total Xylenes	NE	µg/L	<2.0	<0.40	<0.80	<0.40	<0.80	<0.40	<2.0	<0.40	<2.0	<0.40	<2.0	<0.40
trans-1,2-Dichloroethene	NE	µg/L	<1.7	<0.35	<0.70	<0.35	<0.70	<0.35	<1.7	<0.35	5.8	<0.35	<1.7	<0.35
Trichloroethene	50	µg/L	210	6.8	180	5.3	180	7.0	160	5.4	370	7.3	170	4.2
Vinyl chloride	10	µg/L	<1.0	<0.20	<0.41	<0.20	<0.41	<0.20	<1.0	<0.20	3.6 J	<0.20	<1.0	<0.20
Total BTEX[1]	750	µg/L	<2.0	<0.40	<0.80	<0.40	<0.80	0.16 J	<2.0	<0.40	<2.0	<0.40	<2.0	<0.40
Total VOCs (includes BTEX)	NE	µg/L	2180	52.8	2010	41.3	2200	49.16	1970	40.4	2629.4	50.3	1990	30.2
PAHs														
Benzo(a)anthracene	NE	µg/L	<0.019	<0.020	--	--	<0.023	<0.026	--	--	--	--	<0.022	<0.022
Benzo(a)pyrene	0.1	µg/L	<0.019	<0.020	--	--	<0.023	<0.026	--	--	--	--	<0.022	<0.022
Benzo(b)fluoranthene	NE	µg/L	<0.019	<0.020	--	--	<0.023	<0.026	--	--	--	--	<0.022	<0.022
Benzo(g,h,i)perylene	NE	µg/L	<0.019	<0.020	--	--	<0.046	<0.052	--	--	--	--	<0.043	<0.043
Benzo(k)fluoranthene	NE	µg/L	<0.019	<0.020	--	--	<0.046	<0.052	--	--	--	--	<0.043	<0.043
Chrysene	NE	µg/L	<0.019	<0.020	--	--	<0.046	<0.052	--	--	--	--	<0.043	<0.043
Dibenzo(a,h)anthracene	NE	µg/L	<0.019	<0.020	--	--	<0.023	<0.026	--	--	--	--	<0.022	<0.022
Fluoranthene	NE	µg/L	<0.028	<0.030	--	--	<0.046	<0.052	--	--	--	--	<0.043	<0.043
Indeno(1,2,3-cd)pyrene	NE	µg/L	<0.019	<0.020	--	--	<0.023	<0.026	--	--	--	--	<0.022	<0.022
Naphthalene	70	µg/L	<0.019	<0.020	--	--	<0.046	0.15	--	--	--	--	0.045 J	0.067 J
Phenanthrene	NE	µg/L	<0.028	<0.030	--	--	<0.046	<0.052	--	--	--	--	0.12	0.20
Pyrene	NE	µg/L	<0.019	<0.020	--	--	<0.046	<0.052	--	--	--	--	<0.043	<0.043
PAHs Group of 10 Total[2]	0.1	µg/L	<0.028	<0.030	--	--	<0.046	<0.052	--	--	--	--	0.12	0.20

Notes:

Updated by: B. Wachholz 8/7/2018
Checked by: L. Auner 8/7/2018

< = Less than
µg/L = Micrograms per liter
mg/L = Milligrams per liter
B = Compound was found in the blank and in the sample.
J = Estimated value. Analyte detected at a level less than the reporting limit and greater than or equal to the detection limit.
NE = Not Established
-- = Not analyzed
PAHs = Polynuclear Aromatic Hydrocarbons
VOCs = Volatile Organic Compounds

Footnotes:

(1) Total BTEX is the sum of the benzene, toluene, ethylbenzene and xylene concentrations. If all compounds were below their corresponding laboratory detection limits, then the highest detection limit of the BTEX compounds was noted.

(2) PAH group of 10 (Polynuclear Aromatic Hydrocarbons) include the sum of the following individual compounds: benzo(a)anthracene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene. If all compounds were below their corresponding laboratory detection limits, then the highest detection limit of the PAH group compounds was noted.

(3) The WDNR approved a modification to the GETS monitoring program for select constituents on April 27, 2017 and June 23, 2017. Following the approval, VOCs were monitored on a monthly basis and all other constitutes previously monitored were completed on a quarterly basis.

Table 3
Combined SVE and GETS Gas Analytical Data - January - June 2018
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

SAMPLE DATE	1/8/2018		2/6/2018		3/8/2018		4/3/2018		5/8/2018		6/6/2018	
SAMPLE LOCATION	INFLUENT	EFFLUENT	INFLUENT	EFFLUENT	INFLUENT	EFFLUENT	INFLUENT	EFFLUENT	INFLUENT	EFFLUENT	INFLUENT	EFFLUENT
Vinyl Chloride	**23**	**20**	**10**	**11**	**10**	**4.3**	**8.8**	**9.2**	**7.2**	**7.5**	**8.4**	**8.1**
1,1-Dichloroethene	<6.2	<6.7	<2.7	<1.2	<4.8	<1.2	<6.5	<2.8	<2.8	<3.1	<3.4	<1.4
cis-1,2-Dichloroethene	**700**	**740**	**600**	**240**	**780**	**200**	**670**	**430**	**600**	**1100**	**590**	**170**
Benzene	<6.2	<6.7	<2.7	**1.7**	<4.8	**2.4**	<6.5	<2.8	<2.8	<3.1	<3.4	**1.5**
Trichloroethene	**440**	**440**	**370**	**74**	**440**	**66**	**470**	**120**	**400**	**240**	**330**	**220**
Toluene	<6.2	<6.7	<2.7	<1.2	<4.8	**1.9**	<6.5	<2.8	<2.8	<3.1	<3.4	<1.4
Tetrachloroethene	**1400**	**1600**	**860**	**440**	**1100**	**220**	**1700**	**610**	**1100**	**820**	**990**	**500**
Ethyl Benzene	<6.2	<6.7	<2.7	<1.2	<4.8	<1.2	<6.5	<2.8	<2.8	<3.1	<3.4	<1.4
m,p-Xylene	<6.2	<6.7	<2.7	<1.2	<4.8	<1.2	<6.5	<2.8	<2.8	<3.1	<3.4	**1.4**
o-Xylene	<6.2	<6.7	<2.7	<1.2	<4.8	<1.2	<6.5	<2.8	<2.8	<3.1	<3.4	<1.4
1,3,5-Trimethylbenzene	<6.2	<6.7	<2.7	<1.2	<4.8	<1.2	<6.5	<2.8	<2.8	<3.1	<3.4	<1.4
1,2,4-Trimethylbenzene	<6.2	<6.7	<2.7	<1.2	<4.8	**1.3**	<6.5	<2.8	<2.8	<3.1	<3.4	<1.4

Notes:

Updated by: B. Wachholz 7/26/2018
Checked by: L. Auner 9/10/2018

All concentrations in this table are reported in ppbv unless otherwise noted.

All samples were analyzed using Method TO-15 and the analytes shown in the table are from the VOC analyte list. Only analytes that were detected in at least one sample are shown in the table. A complete list of constituents analyzed are included in the laboratory analytical reports.

< = Constituent not detected above noted laboratory method detection limit.

Bold = Constituent detected above laboratory detection limit.

SVE = Soil vapor extraction

GETS = Groundwater extraction and treatment system

ppbv = parts per billon by volume

VOCs = Volatile Organic Compounds

Table 4
Estimate of GAC Effluent Emissions - Total Volatile Organic Compounds
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

DATE	TOTAL VOC CONCENTRATION[1][2] µg/m^3	SYSTEM FLOW RATE[3] CFM	EMISSION RATE[4] lb/hr
1/8/2018	17400	390.1	2.5E-02
2/6/2018	4600	395.0	6.8E-03
3/8/2018	2900	381.9	4.1E-03
4/3/2018	7000	367.9	9.6E-03
5/8/2018	11700	349.6	1.5E-02
6/6/2018	5500	347.8	7.2E-03
		Average Emission Rate[5] =	**8.8E-03**
		NR 406 Emission Threshold =	**5.7**

Notes:

Updated by: B. Wachholz 7/25/2018
Checked by: L. Auner 9/10/2018

VOCs = Volatile Organic Compounds
SVE = Soil Vapor Extraction
GETS = Groundwater extraction and treatment system.
CFM = cubic feet per minute
µg/m^3 = micrograms per cubic meters
lb/hr = pounds per hour

Footnotes:

1. As of 7/14/2015 the vapors recovered from the SVE system and the GETS operation were combined and are treated through a vapor-phase activated carbon system. An influent and effluent vapor sample is collected each month and analyzed using Method TO-15. The total VOC concentration listed is representative of the effluent sample collected post treatment of the SVE and GETS operations.
2. Total VOC concentrations were calculated based on analytes reported above and below the method reporting limit. For detected analytes, the reported concentrations were used. For all other analytes detected below the method reporting limit, half of the reporting limit was used.
3. The system flow rate is a combined air flow rate from both the GETS and SVE system and is measured using flow meter FIT-201 which measures total flow from the activated carbon system.
4. Emission rates were calculated based on the product of the monthly concentration and monthly system flow rate.
5. Average Emission Rate is an average based on samples collected between January 2016 and June 2018. VOC concentrations and emission rates prior to January 2018 are further discussed in the Operations, Monitoring, and Maintenance Semi-Annual Report for July 1, 2017 - December 31, 2017 and reports referenced therein (TRC, February, 2018).

Table 5
Estimate of GAC Effluent Gas Emissions for Tetrachloroethene
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

DATE	TOTAL PCE CONCENTRATION[1][2] µg/m^3	SYSTEM FLOW RATE[3] CFM	EMISSION RATE[4] lb/hr
1/8/2018	11000	390.1	1.6E-02
2/6/2018	3000	395.0	4.4E-03
3/8/2018	1500	381.9	2.1E-03
4/3/2018	4100	367.9	5.6E-03
5/8/2018	5500	349.6	7.2E-03
6/6/2018	3400	347.8	4.4E-03
		Average Emission Rate[5] =	**3.2E-03**
		NR 445 Emission Threshold =	**35.4**

Notes:

Updated by: B. Wachholz 7/25/2018

Checked by: L. Auner 9/10/2018

PCE = Tetrachloroethene

SVE = Soil Vapor Extraction

GETS = Groundwater extraction and treatment system.

CFM = cubic feet per minute

µg/m^3 = micrograms per cubic meters

lb/hr = pounds per hour

Footnotes:

1. As of 7/14/2015 the vapors recovered from the SVE system and the GETS operation were combined and are treated through a vapor-phase activated carbon system. An influent and effluent vapor sample is collected each month and analyzed using Method TO-15. The PCE concentration listed is representative of the effluent sample collected post treatment of the SVE and GETS operations.
2. The PCE concentration reported in the effluent sample was used for emission calculations. If the concentration was reported below the method reporting limit, half of the reporting limit was used for calculations.
3. The system flow rate is a combined air flow rate from both the GETS and SVE system and is measured using flow meter FIT-201 which measures total flow from the activated carbon system.
4. Emission rates were calculated based on the product of the monthly concentration and monthly system flow rate.
5. Average Emission Rate is an average based on samples collected between January 2016 and June 2018. VOC concentrations and emission rates prior to January 2018 are further discussed in the Operations, Monitoring, and Maintenance Semi-Annual Report for July 1, 2017 - December 31, 2017 and reports referenced therein (TRC, February, 2018).

Table 6
Estimate of GAC Effluent Gas Emissions for Trichloroethene
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

DATE	TCE CONCENTRATION[1][2] µg/m^3	SYSTEM FLOW RATE[3] CFM	EMISSION RATE[4] lb/hr
1/8/2018	2300	390.1	3.4E-03
2/6/2018	400	395.0	5.9E-04
3/8/2018	350	381.9	5.0E-04
4/3/2018	660	367.9	9.1E-04
5/8/2018	1300	349.6	1.7E-03
6/6/2018	1200	347.8	1.6E-03
		Average Emission Rate[5] =	**2.9E-03**
		NR 445 Emission Threshold =	**56.1**

Notes:

Updated by: B. Wachholz 7/25/2018

Checked by: L. Auner 9/10/2018

TCE = Trichloroethene

SVE = Soil Vapor Extraction

GETS = Groundwater extraction and treatment system.

CFM = cubic feet per minute

µg/m^3 = micrograms per cubic meters

lb/hr = pounds per hour

Footnotes:

1. As of 7/14/2015 the vapors recovered from the SVE system and the GETS operation were combined and are treated through a vapor-phase activated carbon system. An influent and effluent vapor sample is collected each month and analyzed using Method TO-15. The TCE concentration listed is representative of the effluent sample collected post treatment of the SVE and GETS operations.
2. The TCE concentration reported in the effluent sample was used for emission calculations. If the concentration was reported below the method reporting limit, half of the reporting limit was used for calculations.
3. The system flow rate is a combined air flow rate from both the GETS and SVE system and is measured using flow meter FIT-201 which measures total flow from the activated carbon system.
4. Emission rates were calculated based on the product of the monthly concentration and monthly system flow rate.
5. Average Emission Rate is an average based on samples collected between January 2016 and June 2018. VOC concentrations and emission rates prior to January 2018 are further discussed in the Operations, Monitoring, and Maintenance Semi-Annual Report for July 1, 2017 - December 31, 2017 and reports referenced therein (TRC, February, 2018).

Table 7
Estimate of GAC Effluent Gas Emissions for cis-1,2-Dichloroethene
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

DATE	CIS-1,2-DCE CONCENTRATION[1][2] µg/m^3	SYSTEM FLOW RATE[3] CFM	EMISSION RATE[4] lb/hr
1/8/2018	2900	390.1	4.2E-03
2/6/2018	950	395.0	1.4E-03
3/8/2018	780	381.9	1.1E-03
4/3/2018	1700	367.9	2.3E-03
5/8/2018	4300	349.6	5.6E-03
6/6/2018	680	347.8	8.9E-04
		Average Emission Rate[5] =	**2.9E-03**
		NR 445 Emission Threshold =	**166**

Notes:

Updated by: B. Wachholz 7/25/2018
Checked by: L. Auner 9/10/2018

cis-1,2-DCE = cis-1,2-Dichloroethene
SVE = Soil Vapor Extraction
GETS = Groundwater extraction and treatment system.
CFM = cubic feet per minute
µg/m^3 = micrograms per cubic meters
lb/hr = pounds per hour

Footnotes:

1. As of 7/14/2015 the vapors recovered from the SVE system and the GETS operation were combined and are treated through a vapor-phase activated carbon system. An influent and effluent vapor sample is collected each month and analyzed using Method TO-15. The Cis,1,2-DCE concentration listed is representative of the effluent sample collected post treatment of the SVE and GETS operations.
2. The cis-1,2-DCE concentration reported in the effluent sample was used for emission calculations. If the concentration was reported below the method reporting limit, half of the reporting limit was used for calculations.
3. The system flow rate is a combined air flow rate from both the GETS and SVE system and is measured using flow meter FIT-201 which measures total flow from the activated carbon system.
4. Emission rates were calculated based on the product of the monthly concentration and monthly system flow rate.
5. Average Emission Rate is an average based on samples collected between January 2016 and June 2018. VOC concentrations and emission rates prior to January 2018 are further discussed in the Operations, Monitoring, and Maintenance Semi-Annual Report for July 1, 2017 - December 31, 2017 and reports referenced therein (TRC, February, 2018).

Table 8
Estimate of GAC Effluent Gas Emissions for Vinyl Chloride
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

DATE	VINYL CHLORIDE CONCENTRATION[1][2] µg/m^3	SYSTEM FLOW RATE[3] CFM	EMISSION RATE[4] lb/hr	EMISSION RATE[4] lb/yr
1/8/2018	51	390.1	7.45E-05	6.53E-01
2/6/2018	28	395.0	4.14E-05	3.63E-01
3/8/2018	11	381.9	1.57E-05	1.38E-01
4/3/2018	24	367.9	3.31E-05	2.90E-01
5/8/2018	19	349.6	2.49E-05	2.18E-01
6/6/2018	21	347.8	2.74E-05	2.40E-01
			Average Emission Rate[5] =	**1.4E-01**
			NR 445 Emission Threshold =	**830**

Notes:

Updated by: B. Wachholz 7/25/2018
Checked by: L. Auner 9/10/2018

VC = Vinyl Chloride
SVE = Soil Vapor Extraction
GETS = Groundwater extraction and treatment system.
CFM = cubic feet per minute
µg/m^3 = micrograms per cubic meters
lb/hr = pounds per hour
lb/yr = pounds per year

Footnotes:

1. As of 7/14/2015 the vapors recovered from the SVE system and the GETS operation were combined and are treated through a vapor-phase activated carbon system. An influent and effluent vapor sample is collected each month and analyzed using Method TO-15. The VC concentration listed is representative of the effluent sample collected post treatment of the SVE and GETS operations.
2. The VC concentration reported in the effluent sample was used for emission calculations. If the concentration was reported below the method reporting limit, half of the reporting limit was used for calculations.
3. The system flow rate is a combined air flow rate from both the GETS and SVE system and is measured using flow meter FIT-201 which measures total flow from the activated carbon system.
4. Emission rates were calculated based on the product of the monthly concentration and monthly system flow rate.
5. Average Emission Rate is an average based on samples collected between January 2016 and June 2018. VOC concentrations and emission rates prior to January 2018 are further discussed in the Operations, Monitoring, and Maintenance Semi-Annual Report for July 1, 2017 - December 31, 2017 and reports referenced therein (TRC, February, 2018).

Table 9
Estimate of GAC Influent Gas Rate - Total Volatile Organic Compounds
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

DATE	TOTAL VOC CONCENTRATION[1][2] µg/m^3	SYSTEM FLOW RATE[3] CFM	EMISSION RATE[4] lb/hr
1/8/2018	16100	390.1	2.4E-02
2/6/2018	10800	395.0	1.6E-02
3/8/2018	13800	381.9	2.0E-02
4/3/2018	17300	367.9	2.4E-02
5/8/2018	12700	349.6	1.7E-02
6/6/2018	11400	347.8	1.5E-02
		Average Emission Rate[5] =	**2.9E-02**
		NR 406 Emission Threshold =	**5.7**

Notes:

VOCs = Volatile Organic Compounds

SVE = Soil Vapor Extraction

GETS = Groundwater extraction and treatment system.

CFM = cubic feet per minute

µg/m^3 = micrograms per cubic meters

lb/hr = pounds per hour

Updated by: B. Wachholz 7/25/2018

Checked by: L. Auner 9/10/2018

Footnotes:

1. As of 7/14/2015 the vapors recovered from the SVE system and the GETS operation were combined and are treated through a vapor-phase activated carbon system. An influent and effluent vapor sample is collected each month and analyzed using Method TO-15. The total VOC concentration listed is representative of the influent sample collected pre treatment of the SVE and GETS operations.
2. Total VOC concentrations were calculated based on analytes reported above and below the method reporting limit. For detected analytes, the reported concentrations were used. For all other analytes detected below the method reporting limit, half of the reporting limit was used.
3. The system flow rate is a combined air flow rate from both the GETS and SVE system and is measured using flow meter FIT-201 which measures total flow from the activated carbon system.
4. Emission rates were calculated based on the product of the monthly concentration and monthly system flow rate.
5. Average Emission Rate is an average based on samples collected between January 2016 and June 2018. VOC concentrations and emission rates prior to January 2018 are further discussed in the Operations, Monitoring, and Maintenance Semi-Annual Report for July 1, 2017 - December 31, 2017 and reports referenced therein (TRC, February, 2018).

Table 10
Estimate of GAC Influent Gas Rate for Tetrachloroethene
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

DATE	TOTAL PCE CONCENTRATION[1][2] µg/m^3	SYSTEM FLOW RATE[3] CFM	EMISSION RATE[4] lb/hr
1/8/2018	9800	390.1	1.4E-02
2/6/2018	5900	395.0	8.7E-03
3/8/2018	7400	381.9	1.1E-02
4/3/2018	11000	367.9	1.5E-02
5/8/2018	7600	349.6	1.0E-02
6/6/2018	6700	347.8	8.7E-03
		Average Emission Rate[5] =	**2.0E-02**
		NR 445 Emission Threshold =	**35.4**

Notes:

Updated by: B. Wachholz 7/25/2018

Checked by: L. Auner 9/10/2018

PCE = Tetrachloroethene

SVE = Soil Vapor Extraction

GETS = Groundwater extraction and treatment system.

CFM = cubic feet per minute

µg/m^3 = micrograms per cubic meters

lb/hr = pounds per hour

Footnotes:

1. As of 7/14/2015 the vapors recovered from the SVE system and the GETS operation were combined and are treated through a vapor-phase activated carbon system. An influent and effluent vapor sample is collected each month and analyzed using Method TO-15. The PCE concentration listed is representative of the influent sample collected pre treatment of the SVE and GETS operations.
2. The PCE concentration reported in the influent sample was used for emission calculations. If the concentration was reported below the method reporting limit, half of the reporting limit was used for calculations.
3. The system flow rate is a combined air flow rate from both the GETS and SVE system and is measured using flow meter FIT-201 which measures total flow from the activated carbon system.
4. Emission rates were calculated based on the product of the monthly concentration and monthly system flow rate.
5. Average Emission Rate is an average based on samples collected between January 2016 and June 2018. VOC concentrations and emission rates prior to January 2018 are further discussed in the Operations, Monitoring, and Maintenance Semi-Annual Report for July 1, 2017 - December 31, 2017 and reports referenced therein (TRC, February, 2018).

Table 11
Estimate of GAC Influent Gas Rate for Trichloroethene
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

DATE	TCE CONCENTRATION[1][2] µg/m^3	SYSTEM FLOW RATE[3] CFM	EMISSION RATE[4] lb/hr
1/8/2018	2400	390.1	3.5E-03
2/6/2018	2000	395.0	3.0E-03
3/8/2018	2400	381.9	3.4E-03
4/3/2018	2500	367.9	3.4E-03
5/8/2018	2200	349.6	2.9E-03
6/6/2018	1800	347.8	2.3E-03
		Average Emission Rate[5] =	**3.2E-03**
		NR 445 Emission Threshold =	**56.1**

Notes:

Updated by: B. Wachholz 7/25/2018

Checked by: L. Auner 9/10/2018

TCE = Trichloroethene

SVE = Soil Vapor Extraction

GETS = Groundwater extraction and treatment system.

CFM = cubic feet per minute

µg/m^3 = micrograms per cubic meters

lb/hr = pounds per hour

Footnotes:

1. As of 7/14/2015 the vapors recovered from the SVE system and the GETS operation were combined and are treated through a vapor-phase activated carbon system. An influent and effluent vapor sample is collected each month and analyzed using Method TO-15. The TCE concentration listed is representative of the influent sample collected pre treatment of the SVE and GETS operations.
2. The TCE concentration reported in the influent sample was used for emission calculations. If the concentration was reported below the method reporting limit, half of the reporting limit was used for calculations.
3. The system flow rate is a combined air flow rate from both the GETS and SVE system and is measured using flow meter FIT-201 which measures total flow from the activated carbon system.
4. Emission rates were calculated based on the product of the monthly concentration and monthly system flow rate.
5. Average Emission Rate is an average based on samples collected between January 2016 and June 2018. VOC concentrations and emission rates prior to January 2018 are further discussed in the Operations, Monitoring, and Maintenance Semi-Annual Report for July 1, 2017 - December 31, 2017 and reports referenced therein (TRC, February, 2018).

Table 12
Estimate of GAC Influent Gas Rate for cis-1,2-Dichloroethene
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

DATE	CIS-1,2-DCE CONCENTRATION[1][2] µg/m^3	SYSTEM FLOW RATE[3] CFM	EMISSION RATE[4] lb/hr
1/8/2018	2800	390.1	4.1E-03
2/6/2018	2400	395.0	3.6E-03
3/8/2018	3100	381.9	4.4E-03
4/3/2018	2700	367.9	3.7E-03
5/8/2018	2400	349.6	3.1E-03
6/6/2018	2300	347.8	3.0E-03
		Average Emission Rate[5] =	**2.6E-03**
		NR 445 Emission Threshold =	**166**

Notes:

Updated by: B. Wachholz 7/25/2018

Checked by: L. Auner 9/10/2018

cis-1,2-DCE = cis-1,2-Dichloroethene

SVE = Soil Vapor Extraction

GETS = Groundwater extraction and treatment system.

CFM = cubic feet per minute

µg/m^3 = micrograms per cubic meters

lb/hr = pounds per hour

Footnotes:

1. As of 7/14/2015 the vapors recovered from the SVE system and the GETS operation were combined and are treated through a vapor-phase activated carbon system. An influent and effluent vapor sample is collected each month and analyzed using Method TO-15. The Cis,1,2-DCE concentration listed is representative of the influent sample collected pre treatment of the SVE and GETS operations.
2. The cis-1,2-DCE concentration reported in the influent sample was used for emission calculations. If the concentration was reported below the method reporting limit, half of the reporting limit was used for calculations.
3. The system flow rate is a combined air flow rate from both the GETS and SVE system and is measured using flow meter FIT-201 which measures total flow from the activated carbon system.
4. Emission rates were calculated based on the product of the monthly concentration and monthly system flow rate.
5. Average Emission Rate is an average based on samples collected between January 2016 and June 2018. VOC concentrations and emission rates prior to January 2018 are further discussed in the Operations, Monitoring, and Maintenance Semi-Annual Report for July 1, 2017 - December 31, 2017 and reports referenced therein (TRC, February, 2018).

Table 13
Estimate of GAC Influent Gas Rate for Vinyl Chloride
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

DATE	VINYL CHLORIDE CONCENTRATION[1][2] µg/m^3	SYSTEM FLOW RATE[3] CFM	EMISSION RATE[4] lb/hr	EMISSION RATE[4] lb/yr
1/8/2018	58.0	390.1	8.5E-05	7.42E-01
2/6/2018	26.0	395.0	3.8E-05	3.37E-01
3/8/2018	26.0	381.9	3.7E-05	3.26E-01
4/3/2018	22	367.9	3.0E-05	2.66E-01
5/8/2018	18	349.6	2.4E-05	2.06E-01
6/6/2018	21	347.8	2.7E-05	2.40E-01
			Average Emission Rate[5] =	**1.2E-01**
			NR 445 Emission Threshold =	**830**

Notes:

Updated by: B. Wachholz 7/25/2018
Checked by: L. Auner 9/10/2018

VC = Vinyl Chloride
SVE = Soil Vapor Extraction
GETS = Groundwater extraction and treatment system.
CFM = cubic feet per minute
µg/m^3 = micrograms per cubic meters
lb/hr = pounds per hour
lb/yr = pounds per year

Footnotes:

1. As of 7/14/2015 the vapors recovered from the SVE system and the GETS operation were combined and are treated through a vapor-phase activated carbon system. An influent and effluent vapor sample is collected each month and analyzed using Method TO-15. The VC concentration listed is representative of the influent sample collected pre treatment of the SVE and GETS operations.
2. The VC concentration reported in the influent sample was used for emission calculations. If the concentration was reported below the method reporting limit, half of the reporting limit was used for calculations.
3. The system flow rate is a combined air flow rate from both the GETS and SVE system and is measured using flow meter FIT-201 which measures total flow from the activated carbon system.
4. Emission rates were calculated based on the product of the monthly concentration and monthly system flow rate.
5. Average Emission Rate is an average based on samples collected between January 2016 and June 2018. VOC concentrations and emission rates prior to January 2018 are further discussed in the Operations, Monitoring, and Maintenance Semi-Annual Report for July 1, 2017 - December 31, 2017 and reports referenced therein (TRC, February, 2018).

Table 14
Summary of SVE Operations - January - June 2018
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

WELL ID	DATE	VACUUM (in H2O)	FLOW RATE (cfm)	VOCs (ppm)
SVE-1	1/4/2018	-81.6	29.5	--
SVE-1	1/8/2018	-68.0	41.2	0.0
SVE-1	1/11/2018	-81.6	14.7	--
SVE-1	1/17/2018	-81.6	14.7	--
SVE-1	1/24/2018	-68.0	15.0	--
SVE-1	2/6/2018	-81.6	10.4	0.3
SVE-1	2/7/2018	-68.0	15.0	--
SVE-1	2/13/2018	-68.0	15.0	--
SVE-1	2/21/2018	-68.0	15.0	--
SVE-1	2/28/2018	-81.6	14.7	--
SVE-1	3/6/2018	-81.6	14.7	--
SVE-1	3/8/2018	-81.6	18.1	0.2
SVE-1	3/13/2018	-68.0	15.0	--
SVE-1	3/19/2018	-68.0	15.0	--
SVE-1	3/26/2018	-68.0	15.0	--
SVE-1	4/3/2018	-81.6	14.7	0.4
SVE-1	4/4/2018	-68.0	15.0	--
SVE-1	4/10/2018	-68.0	15.0	--
SVE-1	4/17/2018	-74.8	14.9	--
SVE-1	4/27/2018	-102.0	14.3	--
SVE-1	5/8/2018	-95.2	14.4	0.4
SVE-1	5/9/2018	-74.8	14.9	--
SVE-1	5/17/2018	-68.0	15.0	--
SVE-1	5/25/2018	-81.6	14.7	--
SVE-1	5/31/2018	-61.2	15.2	--
SVE-1	6/6/2018	-95.2	14.4	0.2
SVE-1	6/12/2018	-61.2	15.2	--
SVE-1	6/19/2018	-65.3	15.1	--
SVE-1	6/27/2018	-66.6	15.1	--

Table 14
Summary of SVE Operations - January - June 2018
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

WELL ID	DATE	VACUUM (in H2O)	FLOW RATE (cfm)	VOCs (ppm)
SVE-2	1/4/2018[(1)]	-70.7	32.8	--
SVE-2	1/8/2018	-54.4	37.6	0.0
SVE-2	1/11/2018	-54.4	36.0	--
SVE-2	1/17/2018	-54.4	36.0	--
SVE-2	1/24/2018	-54.4	36.0	--
SVE-2	2/6/2018	-68.0	33.6	2.8
SVE-2	2/7/2018	-68.0	35.3	--
SVE-2	2/13/2018	-66.6	35.3	--
SVE-2	2/21/2018	-68.0	35.3	--
SVE-2	2/28/2018	-68.0	--	--
SVE-2	3/6/2018	-68.0	35.3	--
SVE-2	3/8/2018	-68.0	23.8	0.3
SVE-2	3/13/2018	-68.0	35.3	--
SVE-2	3/19/2018	-68.0	35.3	--
SVE-2	3/26/2018	-68.0	35.3	--
SVE-2	4/3/2018	-68.0	26.1	1.4
SVE-2	4/4/2018	-68.0	35.3	--
SVE-2	4/10/2018	-68.0	35.3	--
SVE-2	4/17/2018	-68.0	35.3	--
SVE-2	4/27/2018	-88.4	20.6	--
SVE-2	5/8/2018	-88.4	--	0.9
SVE-2	5/9/2018	-74.8	--	--
SVE-2	5/17/2018	-54.4	--	--
SVE-2	5/25/2018	-68.0	--	--
SVE-2	5/31/2018	-54.4	36.0	--
SVE-2	6/6/2018	-81.6	18.1	0.6
SVE-2	6/12/2018	-68.0	35.3	--
SVE-2	6/19/2018	-54.4	34.3	--
SVE-2	6/27/2018	-66.6	32.0	--

Table 14
Summary of SVE Operations - January - June 2018
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

WELL ID	DATE	VACUUM (in H2O)	FLOW RATE (cfm)	VOCs (ppm)
SVE-3	1/4/2018	-95.2	31.3	--
SVE-3	1/8/2018	-61.2	48.0	0.0
SVE-3	1/11/2018	-81.6	14.7	--
SVE-3	1/17/2018	54.4	17.5	--
SVE-3	1/24/2018	-68.0	15.0	--
SVE-3	2/6/2018	-74.8	14.9	1.8
SVE-3	2/7/2018	-68.0	15.0	--
SVE-3	2/13/2018	-68.0	15.0	--
SVE-3	2/21/2018	-68.0	15.0	--
SVE-3	2/28/2018	-74.8	14.9	--
SVE-3	3/6/2018	-68.0	15.0	--
SVE-3	3/8/2018	-81.6	14.7	2.1
SVE-3	3/13/2018	-68.0	15.0	--
SVE-3	3/19/2018	-68.0	15.0	--
SVE-3	3/26/2018	-68.0	15.0	--
SVE-3	4/3/2018	-81.6	14.7	2.1
SVE-3	4/4/2018	-68.0	15.0	--
SVE-3	4/10/2018	-68.0	15.0	--
SVE-3	4/17/2018	-68.0	15.0	--
SVE-3	4/27/2018	-95.2	10.2	--
SVE-3	5/8/2018	-95.2	32.3	1.3
SVE-3	5/9/2018	-74.8	14.9	--
SVE-3	5/17/2018	-54.4	24.3	--
SVE-3	5/25/2018	-68.0	15.0	--
SVE-3	5/31/2018	-68.0	15.0	--
SVE-3	6/6/2018	-88.4	20.6	1.9
SVE-3	6/12/2018	-63.9	15.1	--
SVE-3	6/19/2018	-61.2	15.2	--
SVE-3	6/27/2018	-66.6	0.0	--

Table 14
Summary of SVE Operations - January - June 2018
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

WELL ID	DATE	VACUUM (in H2O)	FLOW RATE (cfm)	VOCs (ppm)
SVE-4	1/4/2018	-95.2	31.9	--
SVE-4	1/8/2018	-54.4	18.8	0.0
SVE-4	1/11/2018	-61.2	21.5	--
SVE-4	1/17/2018	-68.0	21.3	--
SVE-4	1/24/2018	-68.0	21.3	--
SVE-4	2/6/2018	-68.0	21.3	1.2
SVE-4	2/7/2018	-68.0	21.3	--
SVE-4	2/13/2018	-68.0	21.3	--
SVE-4	2/21/2018	-68.0	21.3	--
SVE-4	2/28/2018	-68.0	21.3	--
SVE-4	3/6/2018	-68.0	21.3	--
SVE-4	3/8/2018	-68.0	23.8	1.1
SVE-4	3/13/2018	-68.0	21.3	--
SVE-4	3/19/2018	-68.0	21.3	--
SVE-4	3/26/2018	-68.0	21.3	--
SVE-4	4/3/2018	-74.8	23.5	1.4
SVE-4	4/4/2018	-68.0	21.3	--
SVE-4	4/10/2018	-68.0	21.3	--
SVE-4	4/17/2018	-68.0	21.3	--
SVE-4	4/27/2018	-88.4	23.1	--
SVE-4	5/8/2018	-88.4	23.1	1.1
SVE-4	5/9/2018	-74.8	21.1	--
SVE-4	5/17/2018	-61.2	24.0	--
SVE-4	5/25/2018	-61.2	21.5	--
SVE-4	5/31/2018	-61.2	24.0	--
SVE-4	6/6/2018	-81.6	20.8	1.8
SVE-4	6/12/2018	-61.2	24.0	--
SVE-4	6/19/2018	-63.9	21.4	--
SVE-4	6/27/2018	-66.6	23.8	--

Table 14
Summary of SVE Operations - January - June 2018
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

WELL ID	DATE	VACUUM (in H2O)	FLOW RATE (cfm)	VOCs (ppm)
SVE-5	1/4/2018[(1)]	-34.0	34.2	--
SVE-5	1/8/2018	-64.6	26.2	0.0
SVE-5	1/11/2018	-34.0	24.9	--
SVE-5	1/17/2018	-74.8	23.5	--
SVE-5	1/24/2018	-68.0	23.8	--
SVE-5	2/6/2018	-68.0	26.1	0.3
SVE-5	2/7/2018	-68.0	23.8	--
SVE-5	2/13/2018	-68.0	23.8	--
SVE-5	2/21/2018	-68.0	23.8	--
SVE-5	2/28/2018	-74.8	23.5	--
SVE-5	3/6/2018	-74.8	23.5	--
SVE-5	3/8/2018	-81.6	27.6	0.3
SVE-5	3/13/2018	-68.0	23.8	--
SVE-5	3/19/2018	-68.0	23.8	--
SVE-5	3/26/2018	-68.0	23.8	--
SVE-5	4/3/2018	-81.6	23.3	0.6
SVE-5	4/4/2018	-68.0	23.8	--
SVE-5	4/10/2018	-74.8	23.5	--
SVE-5	4/17/2018	-74.8	23.5	--
SVE-5	4/27/2018	-95.2	25.0	--
SVE-5	5/8/2018	-95.2	22.8	0.5
SVE-5	5/9/2018	-74.8	23.5	--
SVE-5	5/17/2018	-54.4	24.3	--
SVE-5	5/25/2018	-61.2	24.0	--
SVE-5	5/31/2018	-61.2	24.0	--
SVE-5	6/6/2018	-95.2	25.0	0.5
SVE-5	6/12/2018	-61.2	24.0	--
SVE-5	6/19/2018	-61.2	24.0	--
SVE-5	6/27/2018	-61.2	25.0	--

Table 14
Summary of SVE Operations - January - June 2018
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

WELL ID	DATE	VACUUM (in H2O)	FLOW RATE (cfm)	VOCs (ppm)
SVE-6	1/4/2018[(1)]	-34.0	18.7	--
SVE-6	1/8/2018	-54.4	24.3	0.0
SVE-6	1/11/2018	-54.4	18.8	--
SVE-6	1/17/2018	-68.0	18.4	--
SVE-6	1/24/2018	-68.0	18.4	--
SVE-6	2/6/2018	-68.0	33.6	0.1
SVE-6	2/7/2018	-68.0	18.4	--
SVE-6	2/13/2018	-68.0	18.4	--
SVE-6	2/21/2018	-68.0	18.4	--
SVE-6	2/28/2018	-68.0	18.4	--
SVE-6	3/6/2018	-68.0	18.4	--
SVE-6	3/8/2018	-68.0	26.1	0.4
SVE-6	3/13/2018	-68.0	18.4	--
SVE-6	3/19/2018	-68.0	18.4	--
SVE-6	3/26/2018	-68.0	18.4	--
SVE-6	4/3/2018	-74.8	27.9	0.5
SVE-6	4/4/2018	-68.0	18.4	--
SVE-6	4/10/2018	-68.0	18.4	--
SVE-6	4/17/2018	-68.0	18.4	--
SVE-6	4/27/2018	-88.4	32.6	--
SVE-6	5/8/2018	-88.4	27.3	0.4
SVE-6	5/9/2018	-74.8	23.5	--
SVE-6	5/17/2018	-54.4	30.7	--
SVE-6	5/25/2018	-54.4	18.8	--
SVE-6	5/31/2018	-61.2	18.6	--
SVE-6	6/6/2018	-81.6	27.6	0.2
SVE-6	6/12/2018	-61.2	26.3	--
SVE-6	6/19/2018	-61.2	18.6	--
SVE-6	6/27/2018	-66.6	26.1	--

Table 14
Summary of SVE Operations - January - June 2018
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

WELL ID	DATE	VACUUM (in H2O)	FLOW RATE (cfm)	VOCs (ppm)
SVE-7	1/4/2018	-74.8	18.2	--
SVE-7	1/8/2018	-61.2	18.6	0.0
SVE-7	1/11/2018	-61.2	21.5	--
SVE-7	1/17/2018	-74.8	21.1	--
SVE-7	1/24/2018	-74.8	21.1	--
SVE-7	2/6/2018	-68.0	18.4	0.0
SVE-7	2/7/2018	-68.0	21.3	--
SVE-7	2/13/2018	-68.0	21.3	--
SVE-7	2/21/2018	-68.0	21.3	--
SVE-7	2/28/2018	-74.8	21.1	--
SVE-7	3/6/2018	-74.8	21.1	--
SVE-7	3/8/2018	-68.0	21.3	0.0
SVE-7	3/13/2018	-68.0	18.4	--
SVE-7	3/19/2018	-68.0	18.4	--
SVE-7	3/26/2018	-68.0	18.4	--
SVE-7	4/3/2018	-74.8	18.2	0.2
SVE-7	4/4/2018	-68.0	18.4	--
SVE-7	4/10/2018	-68.0	21.3	--
SVE-7	4/17/2018	-74.8	18.2	--
SVE-7	4/27/2018	-95.2	17.7	--
SVE-7	5/8/2018	-95.2	17.7	0.2
SVE-7	5/9/2018	-74.8	31.6	--
SVE-7	5/17/2018	-61.2	18.6	--
SVE-7	5/25/2018	-61.2	21.5	--
SVE-7	5/31/2018	-61.2	18.6	--
SVE-7	6/6/2018	-81.6	18.1	0.0
SVE-7	6/12/2018	-61.2	18.6	--
SVE-7	6/19/2018	-61.2	18.6	--
SVE-7	6/27/2018	-61.2	20.4	--

Table 14
Summary of SVE Operations - January - June 2018
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

WELL ID	DATE	VACUUM (in H2O)	FLOW RATE (cfm)	VOCs (ppm)
SVE-8	1/4/2018[(1)]	-36.7	31.4	--
SVE-8	1/8/2018	-61.2	30.4	0.0
SVE-8	1/11/2018	-68.0	26.1	--
SVE-8	1/17/2018	-68.0	26.1	--
SVE-8	1/24/2018	-68.0	26.1	--
SVE-8	2/6/2018	-68.0	26.1	0.0
SVE-8	2/7/2018	-68.0	26.1	--
SVE-8	2/13/2018	-68.0	26.1	--
SVE-8	2/21/2018	-68.0	26.1	--
SVE-8	2/28/2018	-74.8	27.9	--
SVE-8	3/6/2018	-68.0	26.1	--
SVE-8	3/8/2018	-74.8	23.5	0.1
SVE-8	3/13/2018	-68.0	28.1	--
SVE-8	3/19/2018	-68.0	28.1	--
SVE-8	3/26/2018	-61.2	28.4	--
SVE-8	4/3/2018	-74.8	27.9	0.2
SVE-8	4/4/2018	-68.0	28.1	--
SVE-8	4/10/2018	-68.0	26.1	--
SVE-8	4/17/2018	-68.0	28.1	--
SVE-8	4/27/2018	-95.2	30.6	--
SVE-8	5/8/2018	-95.2	28.9	0.2
SVE-8	5/9/2018	-74.8	27.9	--
SVE-8	5/17/2018	-61.2	28.4	--
SVE-8	5/25/2018	-68.0	26.1	--
SVE-8	5/31/2018	-61.2	28.4	--
SVE-8	6/6/2018	-88.4	27.3	0.0
SVE-8	6/12/2018	-61.2	28.4	--
SVE-8	6/19/2018	-61.2	28.4	--
SVE-8	6/27/2018	-61.2	28.4	--

Table 14
Summary of SVE Operations - January - June 2018
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

WELL ID	DATE	VACUUM (in H2O)	FLOW RATE (cfm)	VOCs (ppm)
SVE-9	1/4/2018[(1)]	-38.1	0.0	--
SVE-9	1/8/2018	-54.4	23.3	0.0
SVE-9	1/11/2018	-54.4	18.8	--
SVE-9	1/17/2018	-54.4	18.8	--
SVE-9	1/24/2018	-54.4	18.8	--
SVE-9	2/6/2018	-47.6	24.5	0.4
SVE-9	2/7/2018	-54.4	18.8	--
SVE-9	2/13/2018	-54.4	18.8	--
SVE-9	2/21/2018	-54.4	18.8	--
SVE-9	2/28/2018	-68.0	18.4	--
SVE-9	3/6/2018	-54.4	18.8	--
SVE-9	3/8/2018	-54.4	18.8	1.5
SVE-9	3/13/2018	-68.0	18.4	--
SVE-9	3/19/2018	-54.4	18.8	--
SVE-9	3/26/2018	-54.4	18.8	--
SVE-9	4/3/2018	-61.2	18.6	1.3
SVE-9	4/4/2018	-54.4	18.8	--
SVE-9	4/10/2018	-54.4	18.8	--
SVE-9	4/17/2018	-54.4	18.8	--
SVE-9	4/27/2018	-68.0	15.0	--
SVE-9	5/8/2018	-95.2	17.7	0.7
SVE-9	5/9/2018	-68.0	18.4	--
SVE-9	5/17/2018	-54.4	18.8	--
SVE-9	5/25/2018	-54.4	18.8	--
SVE-9	5/31/2018	-68.0	18.4	--
SVE-9	6/6/2018	-68.0	18.4	0.8
SVE-9	6/12/2018	-54.4	18.8	--
SVE-9	6/19/2018	-61.2	18.6	--
SVE-9	6/27/2018	-54.4	18.8	--

Notes:

Update By: B. Wachholz 07/16/2018

Checked By: A. Stehn 09/10/2018

-- = not monitored

cfm = cubic feet per minute

GETS = Groundwater Extraction System

in H_2O = Inches of water column

ppm = parts per million

SVE = Soil Vapor Extraction

VOCs = Volatile Organic Compounds

Footnotes:

(1) The vacuum and/or differential pressure recorded for select extraction wells yielded inconsistent results when compared to previous monitoring events.

Table 15
Groundwater Monitoring Plan - 2018
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

WELL/ POINT ID	BEDROCK UNIT	SCREENED INTERVAL (ft bgs)	APRIL & OCTOBER GAUGING	APRIL VOC SAMPLING	OCTOBER VOC SAMPLING	APRIL/ OCTOBER PCB SAMPLING	PUMP TYPE
GWE-1*	Lone Rock/ Wonewoc	55-175	x	x	x		NA
MW-1	Unconsolidated	14-24	x		x		Peristaltic
MW-2S	Unconsolidated	19-29	x				NA
MW-2D	Upper Lone Rock	39-44	x	x	x		Peristaltic
MW-3S	Unconsolidated	19-29	x		x		Peristaltic
MW-3D	Upper Lone Rock	48-53	x	x	x		Peristaltic
MW-3D2	Lower Lone Rock	76-81	x	x	x		Peristaltic
MW-3D3	Lower Wonewoc	214-224	x		x		GeoSub
MW-4S	Unconsolidated/ Upper Lone Rock	35-50	x			x	NA
MW-4D	Lower Lone Rock	65-70	x			x	NA
MW-4D2	Lower Lone Rock	91-96	x	x	x		Bladder
MW-5S	Upper Lone Rock	34-44	x		x		Peristaltic
MW-5D	Lower Lone Rock	75-80	x	x	x		Peristaltic
MW-5D2	Lower Wonewoc	166-171	x	x	x		Bladder
MW-5D3	Lower Wonewoc	225-235	x	x	x		GeoSub
MW-6S	Unconsolidated/ Upper Lone Rock	32-42	x		x	x	Bladder
MW-6D	Lower Lone Rock	66-71	x	x	x		Bladder
MW-7	Unconsolidated	25-35	x				NA
MW-8	Unconsolidated	24-34	x				NA
MW-9D	Upper Lone Rock	44-49	x		x		Peristaltic
MW-9D2	Lower Lone Rock	64-69	x	x	x		Peristaltic
MW-10S	Unconsolidated	11-21	x				NA
MW-11S	Unconsolidated	24-34	x			x	NA
MW-12S	Unconsolidated	3-13	x				NA
MW-17	Lower Wonewoc	160-170	x	x	x		Bladder
MW-18S	Unconsolidated	20-30	x				NA
MW-21D2	Upper/Lower Wonewoc	110-170	x				NA
MW-22S	Unconsolidated	25-35	Well Abandoned on January 16, 2018				
MW-22D	Upper Lone Rock	45-50	Well Abandoned on January 16, 2018				
MW-23S	Unconsolidated	25-35	Well Abandoned on January 16, 2018				
MW-23D	Upper Lone Rock	45-50	Well Abandoned on January 16, 2018				
MW-24	Upper Lone Rock	30-40	x			x	NA
MW-25D	Upper Wonewoc	120-130	x		x		Bladder
MW-25D2	Upper Wonewoc	160-170	x	x	x		Bladder
MW-26S	Unconsolidated	6.8-16.8	x				NA
MW-27D	Upper Wonewoc	130-140	x	x	x		Bladder
MW-27D2	Lower Wonewoc	170-180	x		x		Bladder
MW-28	Unconsolidated	28-38	x		x	x	Peristaltic
MW-29S	Unconsolidated	24-34	x			x	Peristaltic
MW-29D	Upper Lone Rock	45-50	x			x	Bladder
MP-13 Port 1	Lower Wonewoc	163-167	x		x		Westbay
MP-13 Port 2	Upper Wonewoc	135-139	x		x		Westbay
MP-13 Port 3	Upper Wonewoc	121-125	x		x		Westbay
MP-13 Port 4	Upper Wonewoc	102-106	x		x		Westbay
MP-13 Port 5	Lower Lone Rock	81-85	x		x		Westbay
MP-13 Port 6	Lower Lone Rock	67-71	x		x		Westbay
MP-13 Port 7	Upper Lone Rock	44-48	x		x		Westbay

Table 15
Groundwater Monitoring Plan - 2018
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

WELL/ POINT ID	BEDROCK UNIT	SCREENED INTERVAL (ft bgs)	APRIL & OCTOBER GAUGING	APRIL VOC SAMPLING	OCTOBER VOC SAMPLING	APRIL/ OCTOBER PCB SAMPLING	PUMP TYPE
MP-14 Port 1	Lower Wonewoc	170-178	x		x		Westbay
MP-14 Port 2	Upper Wonewoc	135-140	x	x	x		Westbay
MP-14 Port 3	Upper Wonewoc	100-105	x		x		Westbay
MP-14 Port 4	Lower Lone Rock	70-75	x				NA
MP-15 Port 1	Lower Wonewoc	177-187	x		x		Westbay
MP-15 Port 2	Lower Wonewoc	142-146	x		x		Westbay
MP-15 Port 3	Upper Wonewoc	120-125	x		x		Westbay
MP-15 Port 4	Upper Wonewoc	100-105	x		x		Westbay
MP-15 Port 5	Upper Wonewoc	88-92	x		x		Westbay
MP-16 Port 1	Lower Wonewoc	175-179	x		x		Westbay
MP-16 Port 2	Upper Wonewoc	140-144	x	x	x		Westbay
MP-16 Port 3	Upper Wonewoc	106-116	x		x		Westbay
MP-16 Port 4	Lower Lone Rock	80-84	x				NA
Total Sample Points:			**56**	**15**	**40**	**8**	

Notes:

* = The GWE-1 influent sample results from the month of the sampling event will be used.

Update By: A. Stehn 8/10/2018
Checked By: S. Sellwood 8/10/2018

Table 16
Summary of Groundwater Elevations - April 2, 2018
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

WELL/BORING	LITHOLOGY	SCREEN INTERVAL (feet bls)	GROUND ELEVATION (feet amsl)	TOP OF CASING ELEVATION (feet amsl)	DATE	DEPTH TO WATER (feet btoc)	GROUNDWATER ELEVATION (feet amsl)
MW-01	Unconsolidated	14-24	861.71	861.08	4/2/2018	14.58	846.50
MW-02D	Upper Lone Rock	39-44	866.50	868.74	4/2/2018	23.28	845.46
MW-02S	Unconsolidated	19-29	866.34	868.94	4/2/2018	23.20	845.74
MW-03D	Upper Lone Rock	48-53	867.68	867.25	4/2/2018	23.00	844.25
MW-03D2	Lower Lone Rock	76-81	867.58	867.39	4/2/2018	24.33	843.06
MW-03D3	Lower Wonewoc	214-224	867.61	867.35	4/2/2018	24.12	843.23
MW-03S	Unconsolidated	19-29	867.87	867.41	4/2/2018	22.21	845.20
MW-04D	Lower Lone Rock	65-70	881.18	880.38	4/2/2018	34.49	845.89
MW-04D2	Lower Lone Rock	91-96	880.36	880.20	4/2/2018	34.60	845.60
MW-04S	Unconsolidated/ Upper Lone Rock	35-50	880.81	880.31	4/2/2018	33.01	847.30
MW-05D	Lower Lone Rock	75-80	872.58	872.10	4/2/2018	27.36	844.74
MW-05D2	Lower Wonewoc	165.8-170.8	872.59	872.20	4/2/2018	28.79	843.41
MW-05D3	Lower Wonewoc	225-235	872.34	871.89	4/2/2018	28.37	843.52
MW-05S	Upper Lone Rock	34-44	872.56	872.14	4/2/2018	26.92	845.22
MW-06D	Lower Lone Rock	65.5-70.5	877.11	876.69	4/2/2018	31.32	845.37
MW-06S	Unconsolidated/ Upper Lone Rock	31.4-41.4	877.20	876.69	4/2/2018	30.80	845.89
MW-07	Unconsolidated	25-35	870.91	870.42	4/2/2018	25.18	845.24
MW-08	Unconsolidated	24-34	867.69	866.78	4/2/2018	21.59	845.19
MW-09D	Upper Lone Rock	44-49	855.80	855.47	4/2/2018	10.40	845.07
MW-09D2	Lower Lone Rock	64-69	855.89	855.48	4/2/2018	10.57	844.91
MW-10S	Unconsolidated	11-21	864.88	864.42	4/2/2018	18.49	845.93
MW-11S	Unconsolidated	24-34	874.10	873.47	4/2/2018	28.03	845.44
MW-12S	Unconsolidated	3-13	859.78	859.41	4/2/2018	9.85	849.56
MW-17	Lower Wonewoc	160-170	877.26	876.65	4/2/2018	32.98	843.67
MW-18S	Unconsolidated	20-30	867.89	867.24	4/2/2018	21.86	845.38
MW-19D	Lower Lone Rock	60-90	867.44	866.75	4/2/2018	23.67	843.08
MW-19D2	Upper Wonewoc	110-140	867.44	866.71	4/2/2018	24.27	842.44
MW-20D	Lower Lone Rock	60-90	867.36	866.96	4/2/2018	23.45	843.51
MW-20D2	Upper Wonewoc	110-140	867.36	867.04	4/2/2018	24.44	842.60
MW-21D	Lower Lone Rock	60-90	867.77	867.49	4/2/2018	23.68	843.81
MW-21D2	Upper/Lower Wonewoc	110-170	867.77	867.46	4/2/2018	24.51	842.95
MW-24	Upper Lone Rock	30-40	876.66	876.41	4/2/2018	30.59	845.82

Table 16
Summary of Groundwater Elevations - April 2, 2018
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

WELL/BORING	LITHOLOGY	SCREEN INTERVAL (feet bls)	GROUND ELEVATION (feet amsl)	TOP OF CASING ELEVATION (feet amsl)	DATE	DEPTH TO WATER (feet btoc)	GROUNDWATER ELEVATION (feet amsl)
MW-25D	Upper Wonewoc	120-130	886.97	886.69	4/2/2018	43.00	843.69
MW-25D2	Upper Wonewoc	160-170	886.97	886.68	4/2/2018	43.10	843.58
MW-26S	Unconsolidated	6.85-16.85	857.51	856.61	4/2/2018	10.08	846.53
MW-27D	Upper Wonewoc	130-140	862.96	862.65	4/2/2018	17.80	844.85
MW-27D2	Lower Wonewoc	170-180	862.96	862.59	4/2/2018	17.81	844.78
MW-28	Unconsolidated	28-38	874.30	874.05	4/2/2018	28.34	845.71
MW-29D	Upper Lone Rock	45-50	875.86	877.61	4/2/2018	31.79	845.82
MW-29S	Unconsolidated	24-34	875.97	877.80	4/2/2018	29.56	848.24
MP-13	Upper Lone Rock	44-48	864.49	863.99	4/2/2018	19.23	844.76
MP-13	Lower Lone Rock	67-71	864.49	863.99	4/2/2018	20.75	843.24
MP-13	Lower Lone Rock	81-85	864.49	863.99	4/2/2018	21.21	842.78
MP-13	Upper Wonewoc	102-106	864.49	863.99	4/2/2018	21.01	842.98
MP-13	Upper Wonewoc	121-125	864.49	863.99	4/2/2018	21.02	842.97
MP-13	Upper Wonewoc	135-139	864.49	863.99	4/2/2018	21.02	842.97
MP-13	Lower Wonewoc	163-167	864.49	863.99	4/2/2018	20.65	843.34
MP-14	Lower Lone Rock	70-75	866.88	867.28	4/2/2018	20.71	846.57
MP-14	Upper Wonewoc	100-105	866.88	867.28	4/2/2018	22.41	844.87
MP-14	Upper Wonewoc	135-140	866.88	867.28	4/2/2018	22.64	844.64
MP-14	Lower Wonewoc	170-178	866.88	867.28	4/2/2018	22.80	844.48
MP-15	Upper Wonewoc	88-92	855.98	855.50	4/2/2018	10.91	844.59
MP-15	Upper Wonewoc	100-105	855.98	855.50	4/2/2018	10.83	844.67
MP-15	Upper Wonewoc	120-125	855.98	855.50	4/2/2018	10.78	844.72
MP-15	Lower Wonewoc	142-146	855.98	855.50	4/2/2018	10.84	844.66
MP-15	Lower Wonewoc	177-187	855.98	855.50	4/2/2018	10.90	844.60
MP-16	Lower Lone Rock	80-84	870.68	870.17	4/2/2018	25.08	845.09
MP-16	Upper Wonewoc	106-116	870.68	870.17	4/2/2018	26.07	844.10
MP-16	Upper Wonewoc	140-144	870.68	870.17	4/2/2018	26.14	844.03
MP-16	Lower Wonewoc	175-179	870.68	870.17	4/2/2018	26.33	843.84

Created By: Peggy Popp 5/30/2018
Checked/Updated By: B. Wachholz 7/16/2018
Checked By: A. Stehn 9/9/2018

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/08/2010	03/29/2011	04/11/2012	01/15/2013	04/21/2013	07/18/2013	10/09/2013	04/22/2014	10/23/2014	04/14/2015	10/21/2015	10/13/2016	10/04/2017
VOCs															
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.1
1,1-Dichloroethene	0.7	7	***1.1***	***0.95***	***0.94 J***	***0.84 J***	< 0.31	< 0.31	0.62 J	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.06
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.2	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076
1,2-Dichloropropane	0.5	5	< 0.5	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	7.5 BJ
Benzene	0.5	5	< 0.2	< 0.2	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 0.2	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077
Bromoform	0.44	4.4	< 0.2	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088
Bromomethane	1	10	< 0.5	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053
Carbon tetrachloride	0.5	5	< 0.8	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038
Chloroform	0.6	6	< 0.2	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062
Chloromethane	3	30	< 0.3	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	0.75 BJ	2.2
cis-1,2-Dichloroethene	7	70	***51***	***58***	***38***	***41***	***23***	***25***	***27***	***25***	***22***	***20***	***8***	3.6	2.8
Dichlorodifluoromethane	200	1000	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11
Ethylbenzene	140	700	< 0.5	< 0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.2	< 0.2	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057
Methyl tert-butyl ether	12	60	< 0.5	< 0.5	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14
Methylene chloride	0.5	5	< 1	< 1	***8.5***	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.14	< 0.14
Naphthalene	10	100	< 0.25	< 0.25	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088
n-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.5	< 0.5	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.1
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.2	< 0.2	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.25	< 0.25	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13
Styrene	10	100	< 0.5	< 0.5	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	0.07 BJ
tert-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12
Tetrachloroethene	0.5	5	***32***	***9***	***23***	***22***	***10***	***11***	***18***	***19***	***16***	***16***	***4.4***	***5.5***	***4***
Toluene	160	800	< 0.5	< 0.5	< 0.15	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	< 0.053	< 0.053
trans-1,2-Dichloroethene	20	100	0.97	0.93	0.77 J	0.78 J	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	0.22 J	0.16 J
Trichloroethene	0.5	5	***33***	***20***	***24***	***25***	***23***	***18***	***23***	***28***	***19***	***21***	***6.2***	***3.8***	***2***
Vinyl chloride	0.02	0.2	***1.5***	***1.1***	***0.86***	***0.63***	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16
Xylenes, Total	400	2000	< 0.5	< 0.5	< 0.3	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.12
Total PCBs															
Aroclor-1016	0.003	0.03	NA	NA	NA	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	< 0.091	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	< 0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs															
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids															
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-2S	MW-2S	MW-2S	MW-2S	MW-2S	MW-2S	MW-2S	MW-2S	MW-2S
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/08/2010	03/30/2011	04/11/2012	01/14/2013	04/20/2013	07/18/2013	10/10/2013	04/17/2014	10/16/2014
VOCs											
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,1,1-Trichloroethane	40	200	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1-Dichloroethene	0.7	7	< 0.5	< 0.5	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
1,2,4-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
1,2-Dichlorobenzene	60	600	< 0.2	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,2-Dichloropropane	0.5	5	< 0.5	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
1,3,5-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.2	< 0.2	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074
Bromodichloromethane	0.06	0.6	< 0.2	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Bromoform	0.44	4.4	< 0.2	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Bromomethane	1	10	< 0.5	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.8	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Chloroform	0.6	6	< 0.2	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20
Chloromethane	3	30	< 0.3	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
cis-1,2-Dichloroethene	7	70	< 0.5	< 0.5	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Dichlorodifluoromethane	200	1000	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20
Ethylbenzene	140	700	< 0.5	< 0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Isopropylbenzene	NE	NE	< 0.2	< 0.2	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 0.5	< 0.5	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Methylene chloride	0.5	5	< 1	< 1	***8.6***	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68
Naphthalene	10	100	< 0.25	< 0.25	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
n-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.5	< 0.5	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.2	< 0.2	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
sec-Butylbenzene	NE	NE	< 0.25	< 0.25	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Styrene	10	100	< 0.5	< 0.5	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10
tert-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Tetrachloroethene	0.5	5	***1.6***	***1.3***	***1.2***	***1.3***	***1.3***	***0.81 J***	***1.1***	***1.3***	***1***
Toluene	160	800	< 0.5	< 0.5	< 0.15	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
trans-1,2-Dichloroethene	20	100	< 0.5	< 0.5	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Trichloroethene	0.5	5	< 0.2	< 0.2	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Vinyl chloride	0.02	0.2	< 0.2	< 0.2	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10
Xylenes, Total	400	2000	< 0.5	< 0.5	< 0.3	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068
Total PCBs											
Aroclor-1016	0.003	0.03	NA	NA	NA	< 0.17	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	< 0.091	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	< 0.13	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	ND	NA	NA	NA	NA	NA
Dissolved PCBs											
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids											
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/08/2010	10/01/2010	03/30/2011	04/11/2012	01/15/2013	04/20/2013	07/18/2013	10/10/2013	04/17/2014	10/16/2014	04/14/2015	10/21/2015	01/25/2016	04/21/2016	07/19/2016	10/13/2016	1/19/2017	04/12/2017	10/04/2017	04/05/2018
VOCs																						
1,1,1,2-Tetrachloroethane	7	70	< 8	< 0.25	< 4	< 0.31	< 0.5	< 0.5	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	< 0.46	< 0.55	< 1.1	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 16	< 0.5	< 8	< 0.26	< 0.4	< 0.4	< 0.2	< 0.2	< 0.20	< 0.40	< 0.20	< 0.38	< 0.50	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,1,2-Trichloroethane	0.5	5	< 8	< 0.25	< 4	< 0.3	< 0.56	< 0.56	< 0.28	< 0.28	< 0.28	< 0.56	< 0.28	< 0.35	< 0.50	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,1-Dichloroethene	0.7	7	< 16	< 0.5	< 8	< 0.29	< 0.62	< 0.62	< 0.31	< 0.31	< 0.31	< 0.62	< 0.31	< 0.39	< 0.70	< 1.4	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
1,2,4-Trimethylbenzene	96	480	< 6.4	< 0.2	< 3.2	< 0.22	< 0.28	< 0.28	< 0.14	< 0.14	< 0.14	< 0.28	< 0.14	< 0.36	< 0.30	< 0.60	< 0.060	< 0.060	< 0.060	< 0.060	< 0.06	< 0.060
1,2-Dibromoethane	0.005	0.05	< 6.4	< 0.2	< 3.2	< 0.45	< 0.72	< 0.72	< 0.36	< 0.36	< 0.36	< 0.72	< 0.36	< 0.39	< 0.65	< 1.3	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 6.4	< 0.2	< 3.2	< 0.21	< 0.54	< 0.54	< 0.27	< 0.27	< 0.27	< 0.54	< 0.27	< 0.33	0.45 J	< 0.76	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076
1,2-Dichloropropane	0.5	5	< 16	< 0.5	< 8	< 0.36	< 0.4	< 0.4	< 0.2	< 0.2	< 0.20	< 0.40	< 0.20	< 0.43	< 0.50	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,2,3-Trichlorobenzene	NE	NE	< 8	< 0.25	< 4	< 0.36	< 0.48	< 0.48	< 0.24	< 0.24	< 0.24	< 0.48	< 0.24	< 0.46	< 0.23	< 0.45	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	0.050 J
1,2,4-Trichlorobenzene	14	70	< 8	< 0.25	< 4	< 0.22	< 0.62	< 0.62	< 0.31	< 0.31	< 0.31	< 0.62	< 0.31	< 0.34	0.85 J	< 0.77	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
1,3,5-Trimethylbenzene	96	480	< 6.4	< 0.2	< 3.2	< 0.23	< 0.36	< 0.36	< 0.18	< 0.18	< 0.18	< 0.36	< 0.18	< 0.25	< 0.38	< 0.75	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 15	< 30	< 3.0	< 3.0	< 3.0	< 3.0	< 3	< 3.0
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.8	< 9.5	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.9	< 7.7	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 17	< 34	< 3.4	< 3.4	< 3.4	15 BJ	< 3.4	< 3.4
Benzene	0.5	5	< 6.4	< 0.2	< 3.2	< 0.12	< 0.15	< 0.15	< 0.074	< 0.074	< 0.074	< 0.15	< 0.074	< 0.15	< 0.45	< 0.89	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 6.4	< 0.2	< 3.2	< 0.23	< 0.34	< 0.34	< 0.17	< 0.17	< 0.17	< 0.34	< 0.17	< 0.37	< 0.39	< 0.77	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
Bromoform	0.44	4.4	< 6.4	< 0.2	< 3.2	< 0.45	< 0.56	< 0.56	< 0.28	< 0.28	< 0.28	< 0.56	< 0.28	< 0.48	< 0.44	< 0.88	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
Bromomethane	1	10	< 16	< 0.5	< 8	< 0.49	< 0.62	< 0.62	< 0.31	< 0.31	< 0.31	< 0.62	< 0.31	< 0.80	< 3.0	< 5.9	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.27	< 0.53	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053
Carbon tetrachloride	0.5	5	< 26	< 0.8	< 13	< 0.28	< 0.52	< 0.52	< 0.26	< 0.26	< 0.26	< 0.52	< 0.26	< 0.38	< 0.19	< 0.38	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038
Chloroform	0.6	6	< 6.4	< 0.2	< 3.2	< 0.25	< 0.4	< 0.4	< 0.2	< 0.2	< 0.20	< 0.40	< 0.20	< 0.37	< 0.31	< 0.62	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062
Chloromethane	3	30	< 9.6	< 0.3	< 4.8	< 0.24	< 0.36	< 0.36	< 0.18	< 0.18	< 0.18	< 0.36	< 0.18	< 0.32	< 0.80	< 1.6	0.20 J	0.81 BJ	0.33 BJ	0.30 J+	1.4 J	0.28 J+
cis-1,2-Dichloroethene	7	70	< 16	0.67	< 8	< 0.22	< 0.24	< 0.24	< 0.12	< 0.12	< 0.12	< 0.24	< 0.12	< 0.41	< 0.55	< 1.1	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Dichlorodifluoromethane	200	1000	< 16	< 0.5	< 8	< 0.26	< 0.4	< 0.4	< 0.2	< 0.2	< 0.20	< 0.40	< 0.20	< 0.54	< 0.55	< 1.1	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	0.15 J+
Ethylbenzene	140	700	< 16	< 0.5	< 8	< 0.14	< 0.26	< 0.26	< 0.13	< 0.13	< 0.13	< 0.26	< 0.13	< 0.18	< 0.27	< 0.54	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 6.4	< 0.2	< 3.2	< 0.21	< 0.28	< 0.28	< 0.14	< 0.14	< 0.14	< 0.28	< 0.14	< 0.39	< 0.41	< 0.81	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.29	< 0.57	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057
Methyl tert-butyl ether	12	60	< 16	< 0.5	< 8	< 0.28	< 0.48	< 0.48	< 0.24	< 0.24	< 0.24	< 0.48	< 0.24	< 0.39	< 0.70	< 1.4	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Methylene chloride	0.5	5	< 32	< 1	< 16	***8.1***	< 1.4	< 1.4	< 0.68	< 0.68	< 0.68	< 1.4	< 0.68	< 1.6	< 0.70	< 1.4	< 0.14	< 0.14	***0.82 BJ***	< 0.14	< 0.14	< 0.14
Naphthalene	10	100	< 8	< 0.25	< 4	< 0.24	< 0.32	< 0.32	< 0.16	< 0.16	< 0.16	< 0.32	< 0.16	< 0.34	< 0.44	< 0.88	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	0.33 J
n-Butylbenzene	NE	NE	< 6.4	< 0.2	< 3.2	< 0.21	< 0.26	< 0.26	< 0.13	< 0.13	< 0.13	< 0.26	< 0.13	< 0.39	< 0.70	< 1.4	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	< 2.1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 16	< 0.5	< 8	< 0.19	< 0.26	< 0.26	< 0.13	< 0.13	< 0.13	< 0.26	< 0.13	< 0.41	< 0.50	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.29	< 0.58	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 6.4	< 0.2	< 3.2	< 0.24	< 0.34	< 0.34	< 0.17	< 0.17	< 0.17	< 0.34	< 0.17	< 0.36	< 0.43	< 0.85	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 8	< 0.25	< 4	< 0.19	< 0.3	< 0.3	< 0.15	< 0.15	< 0.15	< 0.30	< 0.15	< 0.40	< 0.65	< 1.3	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Styrene	10	100	< 16	< 0.5	< 8	< 0.26	< 0.2	< 0.2	< 0.1	< 0.1	< 0.10	< 0.20	< 0.10	< 0.39	< 0.33	< 0.65	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
tert-Butylbenzene	NE	NE	< 6.4	< 0.2	< 3.2	< 0.24	< 0.28	< 0.28	< 0.14	< 0.14	< 0.14	< 0.28	< 0.14	< 0.40	< 0.60	< 1.2	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Tetrachloroethene	0.5	5	***1400***	***1300***	***1000***	***610***	***720***	***910***	***580***	***440***	***450***	***540***	***250***	***210***	***85***	***290***	***81***	***28***	***22***	***19***	***38***	***29***
Toluene	160	800	< 16	< 0.5	< 8	< 0.15	< 0.22	< 0.22	< 0.11	< 0.11	< 0.11	< 0.22	< 0.11	< 0.15	0.30 J	< 0.53	< 0.053	0.090 J	0.090 BJ	< 0.053	< 0.053	0.060 J
trans-1,2-Dichloroethene	20	100	< 16	< 0.5	< 8	< 0.27	< 0.5	< 0.5	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	< 0.35	< 0.55	< 1.1	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Trichloroethene	0.5	5	***20***	***16***	***9.8***	***5.4***	***5.1***	***6.4***	***4.1***	***3***	***2.5***	***2.1***	***1.2***	***0.73***	***0.60 J***	< 0.62	0.24 J	0.10 J	0.12 BJ	0.12 J	0.09 J	< 0.062
Vinyl chloride	0.02	0.2	< 6.4	< 0.2	< 3.2	< 0.13	< 0.2	< 0.2	< 0.1	< 0.1	< 0.10	< 0.20	< 0.10	< 0.20	< 0.80	< 1.6	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Xylenes, Total	400	2000	< 16	< 0.5	< 8	< 0.3	< 0.14	< 0.14	< 0.068	< 0.068	< 0.068	< 0.14	< 0.068	< 0.22	< 0.29	< 0.58	< 0.058	< 0.058	< 0.12	< 0.12	< 0.12	< 0.12
Total PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	< 0.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	< 0.096	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	< 0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																						
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S[1]	MW-3S[1,3]	MW-3S	MW-3S[1]	MW-3S[1]	MW-3S	MW-3S	MW-3S[1]	MW-3S	MW-3S	MW-3S	MW-3S
SCREEN INTERVAL (feet bgs)	PREVENTIVE ACTION LIMIT	ENFORCEMENT STANDARD	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft
SAMPLE DATE			04/07/2010	03/29/2011	04/12/2012	11/30/2012	12/18/2012	12/19/2012	12/28/2012	01/03/2013	01/15/2013	01/15/2013	01/31/2013	02/12/2013	02/12/2013	02/12/2013	02/12/2013	02/28/2013	03/12/2013	04/16/2013	07/16/2013	10/10/2013	04/16/2014	10/22/2014	04/13/2015	10/21/2015	10/13/2016	10/05/2017
VOCs																											
1,1,1,2-Tetrachloroethane	7	70	< 8	< 6.3	< 1.6	< 1.3	NA	NA	NA	NA	NA	< 0.25	NA	NA	NA	< 0.25	< 0.25	NA	< 0.25	< 0.25	< 0.5	< 0.5	< 1.3	< 0.25	< 1.3	< 0.92	< 2.2	< 2.8
1,1,1-Trichloroethane	40	200	< 16	< 13	< 1.3	< 1	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.4	< 0.4	< 1.0	< 0.20	< 1.0	< 0.76	< 2.0	< 2.5
1,1,2-Trichloroethane	0.5	5	< 8	< 6.3	< 1.5	< 1.4	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	< 0.28	< 0.28	NA	< 0.28	< 0.28	< 0.56	< 0.56	< 1.4	< 0.28	< 1.4	< 0.70	< 2.0	< 2.5
1,1-Dichloroethene	0.7	7	< 16	< 13	< 1.5	< 1.6	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.62	< 0.62	< 1.6	< 0.31	< 1.6	< 0.78	< 2.8	< 3.5
1,2,4-Trimethylbenzene	96	480	< 6.4	< 5	< 1.1	< 0.7	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.14	< 0.14	NA	< 0.14	< 0.14	< 0.28	< 0.28	< 0.70	< 0.14	< 0.70	< 0.72	< 1.2	< 1.5
1,2-Dibromoethane	0.005	0.05	< 6.4	< 5	< 2.3	< 1.8	NA	NA	NA	NA	NA	< 0.36	NA	NA	NA	< 0.36	< 0.36	NA	< 0.36	< 0.36	< 0.72	< 0.72	< 1.8	< 0.36	< 1.8	< 0.77	< 2.6	< 3.3
1,2-Dichlorobenzene	60	600	< 6.4	< 5	< 1.1	< 1.4	NA	NA	NA	NA	NA	< 0.27	NA	NA	NA	< 0.27	< 0.27	NA	< 0.27	< 0.27	< 0.54	< 0.54	< 1.4	< 0.27	< 1.4	< 0.67	< 1.5	< 1.9
1,2-Dichloropropane	0.5	5	< 16	< 13	< 1.8	< 1	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.4	< 0.4	< 1.0	< 0.20	< 1.0	< 0.86	< 2.0	< 2.5
1,2,3-Trichlorobenzene	NE	NE	< 8	< 6.3	< 1.8	< 1.2	NA	NA	NA	NA	NA	< 0.24	NA	NA	NA	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.48	< 0.48	< 1.2	< 0.24	< 1.2	< 0.92	< 0.90	< 1.1
1,2,4-Trichlorobenzene	14	70	< 8	< 6.3	< 1.1	< 1.6	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.62	< 0.62	< 1.6	< 0.31	< 1.6	< 0.68	< 1.5	< 1.9
1,3,5-Trimethylbenzene	96	480	< 6.4	< 5	< 1.2	< 0.9	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.36	< 0.36	< 0.90	< 0.18	< 0.90	< 0.51	< 1.5	< 1.9
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 60	< 75
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 19	< 24
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 15	< 19
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 68	< 85
Benzene	0.5	5	< 6.4	< 5	< 0.6	***1.5 J***	NA	NA	NA	NA	NA	0.42 J	NA	NA	NA	***0.88***	***0.9***	NA	***1***	***0.6***	***0.70 J***	***1***	< 0.37	***0.67***	< 0.37	< 0.29	< 1.8	< 2.2
Bromodichloromethane	0.06	0.6	< 6.4	< 5	< 1.2	< 0.85	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	< 0.17	< 0.17	NA	< 0.17	< 0.17	< 0.34	< 0.34	< 0.85	< 0.17	< 0.85	< 0.74	< 1.5	< 1.9
Bromoform	0.44	4.4	< 6.4	< 5	< 2.3	< 1.4	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	< 0.28	< 0.28	NA	< 0.28	< 0.28	< 0.56	< 0.56	< 1.4	< 0.28	< 1.4	< 0.97	< 1.8	< 2.2
Bromomethane	1	10	< 16	< 13	< 2.5	< 1.6	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.62	< 0.62	< 1.6	< 0.31	< 1.6	< 1.6	< 12	< 15
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	< 1.3
Carbon tetrachloride	0.5	5	< 26	< 20	< 1.4	< 1.3	NA	NA	NA	NA	NA	< 0.26	NA	NA	NA	< 0.26	< 0.26	NA	< 0.26	< 0.26	< 0.52	< 0.52	< 1.3	< 0.26	< 1.3	< 0.77	< 0.76	< 0.95
Chloroform	0.6	6	< 6.4	< 5	***3.7 J***	***5***	NA	NA	NA	NA	NA	***1.6***	NA	NA	NA	***3***	***3.2***	NA	***4.1***	***2.7***	***2.8***	***3.7***	***3.4 J***	***2.4***	< 1.0	***3***	< 1.2	< 1.6
Chloromethane	3	30	< 9.6	< 7.5	< 1.2	< 0.9	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.36	< 0.36	< 0.90	< 0.18	< 0.90	< 0.64	***11 BJ***	< 4
cis-1,2-Dichloroethene	7	70	***83***	***37***	***89***	***98***	NA	NA	NA	NA	NA	< 0.12	NA	NA	NA	1.6	1.8	NA	5.0	< 0.12	***14***	***58***	< 0.60	***35***	***54***	***36***	***29***	***20***
Dichlorodifluoromethane	200	1000	< 16	< 13	< 1.3	< 1	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.4	< 0.4	< 1.0	< 0.20	< 1.0	< 1.1	< 2.2	< 2.8
Ethylbenzene	140	700	< 16	< 13	< 0.7	< 0.65	NA	NA	NA	NA	NA	0.36 J	NA	NA	NA	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.26	< 0.26	< 0.65	< 0.13	< 0.65	< 0.37	< 1.1	< 1.4
Isopropylbenzene	NE	NE	< 6.4	< 5	< 1.1	< 0.7	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.14	< 0.14	NA	< 0.14	< 0.14	< 0.28	< 0.28	< 0.70	< 0.14	< 0.70	< 0.77	< 1.6	< 2
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	< 1.4
Methyl tert-butyl ether	12	60	< 16	< 13	< 1.4	< 1.2	NA	NA	NA	NA	NA	< 0.24	NA	NA	NA	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.48	< 0.48	< 1.2	< 0.24	< 1.2	< 0.79	< 2.8	< 3.5
Methylene chloride	0.5	5	< 32	< 25	< 3.2	< 3.4	NA	NA	NA	NA	NA	< 0.68	NA	NA	NA	< 0.68	< 0.68	NA	< 0.68	< 0.68	< 1.4	< 1.4	< 3.4	< 0.68	< 3.4	***17***	< 2.8	< 3.5
Naphthalene	10	100	< 8	< 6.3	< 1.2	< 0.8	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	< 0.16	< 0.16	NA	< 0.16	< 0.16	< 0.32	< 0.32	< 0.80	< 0.16	< 0.80	< 0.67	< 1.8	< 2.2
n-Butylbenzene	NE	NE	< 6.4	< 5	< 1.1	< 0.65	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.26	< 0.26	< 0.65	< 0.13	< 0.65	< 0.78	< 2.8	< 3.5
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.2	< 5.3
n-Propylbenzene	NE	NE	< 16	< 13	< 0.95	< 0.65	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.26	< 0.26	< 0.65	< 0.13	< 0.65	< 0.83	< 2.0	< 2.5
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.2	< 1.5
p-Isopropyltoluene	NE	NE	< 6.4	< 5	< 1.2	< 0.85	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	< 0.17	< 0.17	NA	< 0.17	< 0.17	< 0.34	< 0.34	< 0.85	< 0.17	< 0.85	< 0.72	< 1.7	< 2.1
sec-Butylbenzene	NE	NE	< 8	< 6.3	< 0.95	< 0.75	NA	NA	NA	NA	NA	< 0.15	NA	NA	NA	< 0.15	< 0.15	NA	< 0.15	< 0.15	< 0.3	< 0.3	< 0.75	< 0.15	< 0.75	< 0.80	< 2.6	< 3.3
Styrene	10	100	< 16	< 13	< 1.3	< 0.5	NA	NA	NA	NA	NA	< 0.1	NA	NA	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.2	< 0.2	< 0.50	< 0.10	< 0.50	< 0.77	< 1.3	< 1.6
tert-Butylbenzene	NE	NE	< 6.4	< 5	< 1.2	< 0.7	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.14	< 0.14	NA	< 0.14	< 0.14	< 0.28	< 0.28	< 0.70	< 0.14	< 0.70	< 0.80	< 2.4	< 3
Tetrachloroethene	0.5	5	***2000***	***1100***	***1600***	***2400***	NA	NA	NA	NA	NA	***88***	NA	NA	NA	***600***	***600***	NA	***750***	***20***	***840***	***1000***	***630***	***770***	***1300***	***1300***	***860***	***690 B***
Toluene	160	800	< 16	< 13	< 0.75	< 0.55	NA	NA	NA	NA	NA	0.38 J	NA	NA	NA	< 0.11	< 0.11	NA	< 0.11	< 0.11	< 0.22	< 0.22	< 0.55	< 0.11	< 0.55	< 0.30	< 1.1	< 1.3
trans-1,2-Dichloroethene	20	100	< 16	< 13	5.4	6.0	NA	NA	NA	NA	NA	< 0.25	NA	NA	NA	< 0.25	< 0.25	NA	< 0.25	< 0.25	< 0.5	4.9	< 1.3	2.7	< 1.3	3.1	3.4 J	< 2.8
Trichloroethene	0.5	5	***130***	***66***	***120***	***160***	NA	NA	NA	NA	NA	< 0.19	NA	NA	NA	***6.8***	***6.7***	NA	***16***	< 0.19	***26***	***100***	***6.9***	***82***	***120***	***90***	***86***	***65***
Vinyl chloride	0.02	0.2	< 6.4	< 5	< 0.65	< 0.5	NA	NA	NA	NA	NA	< 0.1	NA	NA	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.2	< 0.2	< 0.50	< 0.10	< 0.50	< 0.41	< 3.2	< 4
Xylenes, Total	400	2000	< 16	< 13	< 1.5	< 0.34	NA	NA	NA	NA	NA	2.4	NA	NA	NA	< 0.068	< 0.068	NA	< 0.068	< 0.068	< 0.14	< 0.14	< 0.34	< 0.068	< 0.34	< 0.44	< 1.2	< 2.9
Total PCBs																											
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.096	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																											
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																											
Total Dissolved Solids	NE	NE	NA	NA	NA	2500	12000	7100	3400	3800	2700	3400	4700	8600	8200	NA	NA	13000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/07/2010	10/01/2010	03/30/2011	04/12/2012	11/30/2012	12/19/2012	12/28/2012	01/03/2013	01/16/2013	01/31/2013	02/12/2013	02/12/2013	02/28/2013	03/13/2013	04/16/2013
VOCs																	
1,1,1,2-Tetrachloroethane	7	70	< 8	< 0.25	< 5	< 0.31	< 1.3	NA	NA	NA	< 0.25	NA	NA	< 0.25	NA	< 0.25	< 0.25
1,1,1-Trichloroethane	40	200	< 16	< 0.5	< 10	< 0.26	< 1	NA	NA	NA	< 0.2	NA	NA	< 0.2	NA	< 0.2	< 0.2
1,1,2-Trichloroethane	0.5	5	< 8	< 0.25	< 5	< 0.3	< 1.4	NA	NA	NA	< 0.28	NA	NA	< 0.28	NA	< 0.28	< 0.28
1,1-Dichloroethene	0.7	7	< 16	< 0.5	< 10	< 0.29	< 1.6	NA	NA	NA	< 0.31	NA	NA	< 0.31	NA	< 0.31	< 0.31
1,2,4-Trimethylbenzene	96	480	< 6.4	< 0.2	< 4	< 0.22	< 0.7	NA	NA	NA	< 0.14	NA	NA	< 0.14	NA	< 0.14	< 0.14
1,2-Dibromoethane	0.005	0.05	< 6.4	< 0.2	< 4	< 0.45	< 1.8	NA	NA	NA	< 0.36	NA	NA	< 0.36	NA	< 0.36	< 0.36
1,2-Dichlorobenzene	60	600	< 6.4	< 0.2	< 4	< 0.21	< 1.4	NA	NA	NA	< 0.27	NA	NA	< 0.27	NA	< 0.27	< 0.27
1,2-Dichloropropane	0.5	5	< 16	< 0.5	< 10	< 0.36	< 1	NA	NA	NA	< 0.2	NA	NA	< 0.2	NA	< 0.2	< 0.2
1,2,3-Trichlorobenzene	NE	NE	< 8	< 0.25	< 5	< 0.36	< 1.2	NA	NA	NA	< 0.24	NA	NA	< 0.24	NA	< 0.24	< 0.24
1,2,4-Trichlorobenzene	14	70	< 8	< 0.25	< 5	< 0.22	< 1.6	NA	NA	NA	< 0.31	NA	NA	< 0.31	NA	< 0.31	< 0.31
1,3,5-Trimethylbenzene	96	480	< 6.4	< 0.2	< 4	< 0.23	< 0.9	NA	NA	NA	< 0.18	NA	NA	< 0.18	NA	< 0.18	< 0.18
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 6.4	0.31	< 4	0.39 J	< 0.37	NA	NA	NA	0.32 J	NA	NA	0.29 J	NA	< 0.074	0.27 J
Bromodichloromethane	0.06	0.6	< 6.4	< 0.2	< 4	< 0.23	< 0.85	NA	NA	NA	< 0.17	NA	NA	< 0.17	NA	< 0.17	< 0.17
Bromoform	0.44	4.4	< 6.4	< 0.2	< 4	< 0.45	< 1.4	NA	NA	NA	< 0.28	NA	NA	< 0.28	NA	< 0.28	< 0.28
Bromomethane	1	10	< 16	< 0.5	< 10	< 0.49	< 1.6	NA	NA	NA	< 0.31	NA	NA	< 0.31	NA	< 0.31	< 0.31
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 26	< 0.8	< 16	< 0.28	< 1.3	NA	NA	NA	< 0.26	NA	NA	< 0.26	NA	< 0.26	< 0.26
Chloroform	0.6	6	< 6.4	***0.78***	< 4	***0.93 J***	< 1	NA	NA	NA	***0.89 J***	NA	NA	< 0.2	NA	< 0.2	< 0.2
Chloromethane	3	30	< 9.6	< 0.3	< 6	< 0.24	< 0.9	NA	NA	NA	< 0.18	NA	NA	< 0.18	NA	< 0.18	< 0.18
cis-1,2-Dichloroethene	7	70	***510***	***310***	***300***	***350***	***520***	NA	NA	NA	***290***	NA	NA	***200***	NA	***54***	***210***
Dichlorodifluoromethane	200	1000	< 16	< 0.5	< 10	< 0.26	< 1	NA	NA	NA	< 0.2	NA	NA	< 0.2	NA	< 0.2	< 0.2
Ethylbenzene	140	700	< 16	< 0.5	< 10	< 0.14	< 0.65	NA	NA	NA	< 0.13	NA	NA	< 0.13	NA	< 0.13	< 0.13
Isopropylbenzene	NE	NE	< 6.4	< 0.2	< 4	< 0.21	< 0.7	NA	NA	NA	< 0.14	NA	NA	< 0.14	NA	< 0.14	< 0.14
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 16	< 0.5	< 10	< 0.28	< 1.2	NA	NA	NA	< 0.24	NA	NA	< 0.24	NA	< 0.24	< 0.24
Methylene chloride	0.5	5	< 32	< 1	< 20	< 0.63	< 3.4	NA	NA	NA	< 0.68	NA	NA	< 0.68	NA	< 0.68	< 0.68
Naphthalene	10	100	< 8	< 0.25	< 5	< 0.24	< 0.8	NA	NA	NA	< 0.16	NA	NA	< 0.16	NA	< 0.16	< 0.16
n-Butylbenzene	NE	NE	< 6.4	< 0.2	< 4	< 0.21	< 0.65	NA	NA	NA	< 0.13	NA	NA	< 0.13	NA	< 0.13	< 0.13
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 16	< 0.5	< 10	< 0.19	< 0.65	NA	NA	NA	< 0.13	NA	NA	< 0.13	NA	< 0.13	< 0.13
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 6.4	< 0.2	< 4	< 0.24	< 0.85	NA	NA	NA	< 0.17	NA	NA	< 0.17	NA	< 0.17	< 0.17
sec-Butylbenzene	NE	NE	< 8	< 0.25	< 5	< 0.19	< 0.75	NA	NA	NA	< 0.15	NA	NA	< 0.15	NA	< 0.15	< 0.15
Styrene	10	100	< 16	< 0.5	< 10	< 0.26	< 0.5	NA	NA	NA	< 0.1	NA	NA	< 0.1	NA	< 0.1	< 0.1
tert-Butylbenzene	NE	NE	< 6.4	< 0.2	< 4	< 0.24	< 0.7	NA	NA	NA	< 0.14	NA	NA	< 0.14	NA	< 0.14	< 0.14
Tetrachloroethene	0.5	5	***1700***	***1500***	***1200***	***1100***	***1800***	NA	NA	NA	***660***	NA	NA	***760***	NA	***150***	***740***
Toluene	160	800	< 16	< 0.5	< 10	< 0.15	< 0.55	NA	NA	NA	< 0.11	NA	NA	< 0.11	NA	< 0.11	< 0.11
trans-1,2-Dichloroethene	20	100	< 16	6.6	< 10	5.9	7.7	NA	NA	NA	6.0	NA	NA	4.0	NA	1.1	4.2
Trichloroethene	0.5	5	***270***	***200***	***170***	***160***	***250***	NA	NA	NA	***140***	NA	NA	***130***	NA	***30***	***120***
Vinyl chloride	0.02	0.2	< 6.4	< 0.2	< 4	< 0.13	< 0.5	NA	NA	NA	< 0.1	NA	NA	< 0.1	NA	< 0.1	< 0.1
Xylenes, Total	400	2000	< 16	< 0.5	< 10	< 0.3	< 0.34	NA	NA	NA	< 0.068	NA	NA	< 0.068	NA	< 0.068	< 0.068
Total PCBs																	
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	< 0.096	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA
Dissolved PCBs																	
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																	
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	1700	2100	2400	2200	2000	480	4400	4200	5200	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D[3]	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D[3]
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	07/16/2013	10/10/2013	04/18/2014	10/16/2014	04/14/2015	10/21/2015	01/25/2016	04/22/2016	04/22/2016	07/20/2016	10/13/2016	1/19/2017	04/12/2017	10/05/2017	04/06/2018	04/06/2018
VOCs																		
1,1,1,2-Tetrachloroethane	7	70	< 0.5	< 0.25	< 0.50	< 0.50	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 1.1
1,1,1-Trichloroethane	40	200	< 0.4	< 0.2	< 0.40	< 0.40	< 0.20	< 0.38	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 1.0
1,1,2-Trichloroethane	0.5	5	< 0.56	< 0.28	< 0.56	< 0.56	< 0.28	< 0.35	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 1.0
1,1-Dichloroethene	0.7	7	< 0.62	< 0.31	< 0.62	< 0.62	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 1.4
1,2,4-Trimethylbenzene	96	480	< 0.28	< 0.14	< 0.28	< 0.28	< 0.14	< 0.36	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.06	< 0.060	< 0.60
1,2-Dibromoethane	0.005	0.05	< 0.72	< 0.36	< 0.72	< 0.72	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 1.3
1,2-Dichlorobenzene	60	600	< 0.54	< 0.27	< 0.54	< 0.54	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.76
1,2-Dichloropropane	0.5	5	< 0.4	< 0.2	< 0.40	< 0.40	< 0.20	< 0.43	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 1.0
1,2,3-Trichlorobenzene	NE	NE	< 0.48	< 0.24	< 0.48	< 0.48	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045	0.18 BJ	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.45
1,2,4-Trichlorobenzene	14	70	< 0.62	< 0.31	< 0.62	< 0.62	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	0.16 BJ	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.77
1,3,5-Trimethylbenzene	96	480	< 0.36	< 0.18	< 0.36	< 0.36	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.75
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	< 3.0	4.0 J	5.7 J	< 3.0	< 3.0	< 3.0	< 3.0	< 3	< 3.0	< 30
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 9.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 7.7
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	< 3.4	14 J	15 J	< 3.4	12 J	33	18 BJ	40	7.5 J+	42 J+
Benzene	0.5	5	< 0.15	0.36 J	< 0.15	***0.55 J***	0.40 J	< 0.15	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	0.36 BJ	0.34 J	0.38 J	0.21 J	< 0.89
Bromodichloromethane	0.06	0.6	< 0.34	< 0.17	< 0.34	< 0.34	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.77
Bromoform	0.44	4.4	< 0.56	< 0.28	< 0.56	< 0.56	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.88
Bromomethane	1	10	< 0.62	< 0.31	< 0.62	< 0.62	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 5.9
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	0.18 J	0.44 J	0.38 J	0.39 J	0.14 J	< 0.053	< 0.053	< 0.53
Carbon tetrachloride	0.5	5	< 0.52	< 0.26	< 0.52	< 0.52	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.38
Chloroform	0.6	6	< 0.4	***0.85 J***	< 0.40	< 0.40	***0.88 J***	***0.90 J***	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	0.19 BJ	< 0.062	0.43 J	0.39 J	***0.90 J***
Chloromethane	3	30	< 0.36	< 0.18	< 0.36	< 0.36	< 0.18	< 0.32	< 0.16	< 0.16	< 0.16	< 0.16	0.31 BJ	0.30 BJ	0.18 J+	2.1	< 0.16	< 1.6
cis-1,2-Dichloroethene	7	70	***200***	***180***	***170***	***170***	***82***	***48***	0.87	0.77	0.69	***13***	3.6	***7.3***	***10***	1.7	***44***	***43***
Dichlorodifluoromethane	200	1000	< 0.4	< 0.2	< 0.40	< 0.40	< 0.20	< 0.54	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 1.1
Ethylbenzene	140	700	< 0.26	< 0.13	< 0.26	< 0.26	< 0.13	< 0.18	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.54
Isopropylbenzene	NE	NE	< 0.28	< 0.14	< 0.28	< 0.28	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	0.11 J	0.12 J	< 0.81
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	0.060 J	< 0.57
Methyl tert-butyl ether	12	60	< 0.48	< 0.24	< 0.48	< 0.48	< 0.24	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 1.4
Methylene chloride	0.5	5	< 1.4	< 0.68	< 1.4	< 1.4	< 0.68	< 1.6	0.33 J	< 0.14	< 0.14	< 0.14	0.31 J	0.45 BJ	< 0.14	< 0.14	< 0.14	***1.5 J+***
Naphthalene	10	100	< 0.32	< 0.16	< 0.32	< 0.32	< 0.16	< 0.34	< 0.088	< 0.088	< 0.088	0.31 BJ	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.88
n-Butylbenzene	NE	NE	< 0.26	< 0.13	< 0.26	< 0.26	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 1.4
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	0.21 J	< 0.21	< 0.21	< 2.1
n-Propylbenzene	NE	NE	< 0.26	< 0.13	< 0.26	< 0.26	< 0.13	< 0.41	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 1.0
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.58
p-Isopropyltoluene	NE	NE	< 0.34	< 0.17	< 0.34	< 0.34	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.85
sec-Butylbenzene	NE	NE	< 0.3	< 0.15	< 0.30	< 0.30	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 1.3
Styrene	10	100	< 0.2	< 0.1	< 0.20	< 0.20	< 0.10	< 0.39	< 0.065	< 0.065	< 0.065	0.15 J	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.65
tert-Butylbenzene	NE	NE	< 0.28	< 0.14	< 0.28	< 0.28	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 1.2
Tetrachloroethene	0.5	5	***920***	***620***	***730***	***1100***	***850***	***140***	***3.5***	***2.3***	***1.8***	***4.1***	***13***	***5.4 B***	0.43 BJ	***13 B***	***310***	***330***
Toluene	160	800	< 0.22	< 0.11	< 0.22	< 0.22	< 0.11	< 0.15	0.12 J	< 0.053	< 0.053	0.11 J	< 0.053	0.44 BJ	0.10 J	< 0.053	0.10 J	< 0.53
trans-1,2-Dichloroethene	20	100	4.8	5.2	6.4	9.3	4.3	3.1	< 0.11	< 0.11	< 0.11	0.17 J	< 0.11	< 0.11	< 0.11	< 0.11	3.4 J	4.3 J+
Trichloroethene	0.5	5	***130***	***100***	***130***	***170***	***92***	***51***	***0.86***	***0.63***	***0.5***	***2.2***	***3.9***	***11***	***4.4***	***2***	***43***	***40***
Vinyl chloride	0.02	0.2	< 0.2	< 0.1	< 0.20	< 0.20	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	***0.56***	< 1.6
Xylenes, Total	400	2000	< 0.14	< 0.068	< 0.14	< 0.14	< 0.068	< 0.22	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.12	< 0.12	< 0.12	< 0.12	< 1.2
Total PCBs																		
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																		
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																		
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-3D2	MW-3D2	MW-3D2	MW-3D2	MW-3D2	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2	MW-3D2	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2	MW-3D2	MW-3D2[1]	MW-3D2[1]	MW-3D2[3]	MW-3D2
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/31/2009	04/07/2010	07/01/2010	10/01/2010	03/30/2011	04/12/2012	04/12/2012	11/30/2012	11/30/2012	12/19/2012	12/28/2012	01/03/2013	01/16/2013	01/16/2013	01/31/2013	02/12/2013	02/12/2013	02/28/2013	03/13/2013	04/16/2013	04/16/2013	07/16/2013
VOCs																							
1,1,1,2-Tetrachloroethane	7	70	< 6.3	< 13	< 13	< 0.25	< 13	< 1.6	< 1.6	< 1.3	< 1.3	NA	NA	NA	< 0.5	< 0.5	NA	< 0.25	< 0.5	NA	< 0.25	< 0.25	< 0.5	< 0.25
1,1,1-Trichloroethane	40	200	< 13	< 25	< 25	< 0.5	< 25	< 1.3	< 1.3	< 1	< 1	NA	NA	NA	< 0.4	< 0.4	NA	< 0.2	< 0.4	NA	< 0.2	< 0.2	< 0.4	< 0.2
1,1,2-Trichloroethane	0.5	5	< 6.3	< 13	< 13	< 0.25	< 13	< 1.5	< 1.5	< 1.4	< 1.4	NA	NA	NA	< 0.56	< 0.56	NA	< 0.28	< 0.56	NA	< 0.28	< 0.28	< 0.56	< 0.28
1,1-Dichloroethene	0.7	7	< 13	< 25	< 25	< 0.5	< 25	< 1.5	< 1.5	< 1.6	< 1.6	NA	NA	NA	< 0.62	< 0.62	NA	< 0.31	< 0.62	NA	< 0.31	< 0.31	< 0.62	< 0.31
1,2,4-Trimethylbenzene	96	480	< 5	< 10	< 10	< 0.2	< 10	< 1.1	< 1.1	< 0.7	< 0.7	NA	NA	NA	< 0.28	< 0.28	NA	< 0.14	< 0.28	NA	< 0.14	< 0.14	< 0.28	< 0.14
1,2-Dibromoethane	0.005	0.05	< 5	< 10	< 10	< 0.2	< 10	< 2.3	< 2.3	< 1.8	< 1.8	NA	NA	NA	< 0.72	< 0.72	NA	< 0.36	< 0.72	NA	< 0.36	< 0.36	< 0.72	< 0.36
1,2-Dichlorobenzene	60	600	< 5	< 10	< 10	< 0.2	< 10	< 1.1	< 1.1	< 1.4	< 1.4	NA	NA	NA	< 0.54	< 0.54	NA	< 0.27	< 0.54	NA	< 0.27	< 0.27	< 0.54	< 0.27
1,2-Dichloropropane	0.5	5	< 13	< 25	< 25	< 0.5	< 25	< 1.8	< 1.8	< 1	< 1	NA	NA	NA	< 0.4	< 0.4	NA	< 0.2	< 0.4	NA	< 0.2	< 0.2	< 0.4	< 0.2
1,2,3-Trichlorobenzene	NE	NE	< 6.3	< 13	< 13	< 0.25	< 13	< 1.8	< 1.8	< 1.2	< 1.2	NA	NA	NA	< 0.48	< 0.48	NA	< 0.24	< 0.48	NA	< 0.24	< 0.24	< 0.48	< 0.24
1,2,4-Trichlorobenzene	14	70	< 6.3	< 13	< 13	< 0.25	< 13	< 1.1	< 1.1	< 1.6	< 1.6	NA	NA	NA	< 0.62	< 0.62	NA	< 0.31	< 0.62	NA	< 0.31	< 0.31	< 0.62	< 0.31
1,3,5-Trimethylbenzene	96	480	< 5	< 10	< 10	< 0.2	< 10	< 1.2	< 1.2	< 0.9	< 0.9	NA	NA	NA	< 0.36	< 0.36	NA	< 0.18	< 0.36	NA	< 0.18	< 0.18	< 0.36	< 0.18
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 5	< 10	< 10	< 0.2	< 10	< 0.6	< 0.6	< 0.37	< 0.37	NA	NA	NA	< 0.15	< 0.15	NA	< 0.074	< 0.15	NA	< 0.074	< 0.074	< 0.15	< 0.074
Bromodichloromethane	0.06	0.6	< 5	< 10	< 10	< 0.2	< 10	< 1.2	< 1.2	< 0.85	< 0.85	NA	NA	NA	< 0.34	< 0.34	NA	< 0.17	< 0.34	NA	< 0.17	< 0.17	< 0.34	< 0.17
Bromoform	0.44	4.4	< 5	< 10	< 10	< 0.2	< 10	< 2.3	< 2.3	< 1.4	< 1.4	NA	NA	NA	< 0.56	< 0.56	NA	< 0.28	< 0.56	NA	< 0.28	< 0.28	< 0.56	< 0.28
Bromomethane	1	10	< 13	< 25	< 25	< 0.5	< 25	< 2.5	< 2.5	< 1.6	< 1.6	NA	NA	NA	< 0.62	< 0.62	NA	< 0.31	< 0.62	NA	< 0.31	< 0.31	< 0.62	< 0.31
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 20	< 40	< 40	< 0.8	< 40	< 1.4	< 1.4	< 1.3	< 1.3	NA	NA	NA	< 0.52	< 0.52	NA	< 0.26	< 0.52	NA	< 0.26	< 0.26	< 0.52	< 0.26
Chloroform	0.6	6	< 5	< 10	< 10	0.37	< 10	< 1.3	< 1.3	< 1	< 1	NA	NA	NA	< 0.4	< 0.4	NA	< 0.2	< 0.4	NA	< 0.2	< 0.2	< 0.4	< 0.2
Chloromethane	3	30	< 7.5	< 15	< 15	< 0.3	< 15	< 1.2	< 1.2	< 0.9	< 0.9	NA	NA	NA	< 0.36	< 0.36	NA	< 0.18	< 0.36	NA	< 0.18	< 0.18	< 0.36	< 0.18
cis-1,2-Dichloroethene	7	70	***520***	***510***	***460***	***400***	***440***	***440***	***440***	***420***	***400***	NA	NA	NA	***320***	***300***	NA	***250***	***260***	NA	***100***	***45***	< 0.24	***10***
Dichlorodifluoromethane	200	1000	< 13	< 25	< 25	< 0.5	< 25	< 1.3	< 1.3	< 1	< 1	NA	NA	NA	< 0.4	< 0.4	NA	< 0.2	< 0.4	NA	< 0.2	< 0.2	< 0.4	< 0.2
Ethylbenzene	140	700	< 13	< 25	< 25	< 0.5	< 25	< 0.7	< 0.7	< 0.65	< 0.65	NA	NA	NA	< 0.26	< 0.26	NA	< 0.13	< 0.26	NA	< 0.13	< 0.13	< 0.26	< 0.13
Isopropylbenzene	NE	NE	< 5	< 10	< 10	< 0.2	< 10	< 1.1	< 1.1	< 0.7	< 0.7	NA	NA	NA	< 0.28	< 0.28	NA	< 0.14	< 0.28	NA	< 0.14	< 0.14	< 0.28	< 0.14
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 13	< 25	< 25	< 0.5	< 25	< 1.4	< 1.4	< 1.2	< 1.2	NA	NA	NA	< 0.48	< 0.48	NA	< 0.24	< 0.48	NA	< 0.24	< 0.24	< 0.48	< 0.24
Methylene chloride	0.5	5	< 25	< 50	< 50	< 1	< 50	< 3.2	< 3.2	< 3.4	< 3.4	NA	NA	NA	< 1.4	< 1.4	NA	***7.3***	< 1.4	NA	< 0.68	< 0.68	< 1.4	< 0.68
Naphthalene	10	100	< 6.3	< 13	***240***	< 0.25	***13***	< 1.2	< 1.2	< 0.8	< 0.8	NA	NA	NA	< 0.32	< 0.32	NA	< 0.16	< 0.32	NA	< 0.16	< 0.16	< 0.32	< 0.16
n-Butylbenzene	NE	NE	< 5	< 10	< 10	< 0.2	< 10	< 1.1	< 1.1	< 0.65	< 0.65	NA	NA	NA	< 0.26	< 0.26	NA	< 0.13	< 0.26	NA	< 0.13	< 0.13	< 0.26	< 0.13
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 13	< 25	< 25	< 0.5	< 25	< 0.95	< 0.95	< 0.65	< 0.65	NA	NA	NA	< 0.26	< 0.26	NA	< 0.13	< 0.26	NA	< 0.13	< 0.13	< 0.26	< 0.13
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 5	< 10	< 10	< 0.2	< 10	< 1.2	< 1.2	< 0.85	< 0.85	NA	NA	NA	< 0.34	< 0.34	NA	< 0.17	< 0.34	NA	< 0.17	< 0.17	< 0.34	< 0.17
sec-Butylbenzene	NE	NE	< 6.3	< 13	< 13	< 0.25	< 13	< 0.95	< 0.95	< 0.75	< 0.75	NA	NA	NA	< 0.3	< 0.3	NA	< 0.15	< 0.3	NA	< 0.15	< 0.15	< 0.3	< 0.15
Styrene	10	100	< 13	< 25	< 25	< 0.5	< 25	< 1.3	< 1.3	< 0.5	< 0.5	NA	NA	NA	< 0.2	< 0.2	NA	< 0.1	< 0.2	NA	< 0.1	< 0.1	< 0.2	< 0.1
tert-Butylbenzene	NE	NE	< 5	< 10	< 10	< 0.2	< 10	< 1.2	< 1.2	< 0.7	< 0.7	NA	NA	NA	< 0.28	< 0.28	NA	< 0.14	< 0.28	NA	< 0.14	< 0.14	< 0.28	< 0.14
Tetrachloroethene	0.5	5	***4900***	***4400***	***3900***	***3900***	***3800***	***2600***	***2600***	***2800***	***2800***	NA	NA	NA	***1200***	***1100***	NA	***1700***	***1700***	NA	***800***	***850***	***710***	***440***
Toluene	160	800	< 13	< 25	< 25	< 0.5	< 25	< 0.75	< 0.75	< 0.55	< 0.55	NA	NA	NA	< 0.22	< 0.22	NA	< 0.11	< 0.22	NA	< 0.11	< 0.11	< 0.22	< 0.11
trans-1,2-Dichloroethene	20	100	< 13	< 25	< 25	7.0	< 25	6.4	5.8	5.6	5.6	NA	NA	NA	4.9	4.5	NA	3.2	3.5	NA	0.62 J	< 0.25	< 0.5	< 0.25
Trichloroethene	0.5	5	***280***	***240***	***240***	***240***	***230***	***190***	***190***	***190***	***180***	NA	NA	NA	***110***	***120***	NA	***120***	***120***	NA	***50***	***24***	< 0.38	***8.7***
Vinyl chloride	0.02	0.2	< 5	< 10	< 10	***0.65***	< 10	< 0.65	< 0.65	< 0.5	< 0.5	NA	NA	NA	< 0.2	< 0.2	NA	***0.22 J***	< 0.2	NA	< 0.1	< 0.1	< 0.2	< 0.1
Xylenes, Total	400	2000	< 13	< 25	< 25	< 0.5	< 25	< 1.5	< 1.5	< 0.34	< 0.34	NA	NA	NA	< 0.14	< 0.14	NA	< 0.068	< 0.14	NA	< 0.068	< 0.068	< 0.14	< 0.068
Total PCBs																								
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.093	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																								
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																								
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	730	730	1300	1800	1500	1000	NA	870	720	NA	1300	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-3D2[3]	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2	MW-3D2	MW-3D2
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	07/16/2013	10/10/2013	10/10/2013	04/16/2014	04/16/2014	10/23/2014	10/23/2014	04/14/2015	04/14/2015	10/22/2015	10/22/2015	01/25/2016	01/25/2016	04/22/2016	07/20/2016	07/20/2016	10/13/2016	10/13/2016	1/19/2017	04/12/2017	10/05/2017	04/06/2018
VOCs																								
1,1,1,2-Tetrachloroethane	7	70	< 0.5	< 0.25	< 0.25	< 1.3	< 1.3	< 0.50	< 0.50	< 1.3	< 1.3	< 4.6	< 4.6	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.4	< 0.2	< 0.2	< 1.0	< 1.0	< 0.40	< 0.40	< 1.0	< 1.0	< 3.8	< 3.8	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,1,2-Trichloroethane	0.5	5	< 0.56	< 0.28	< 0.28	< 1.4	< 1.4	< 0.56	< 0.56	< 1.4	< 1.4	< 3.5	< 3.5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,1-Dichloroethene	0.7	7	< 0.62	< 0.31	< 0.31	< 1.6	< 1.6	< 0.62	< 0.62	< 1.6	< 1.6	< 3.9	< 3.9	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	0.26 J
1,2,4-Trimethylbenzene	96	480	< 0.28	< 0.14	< 0.14	< 0.70	< 0.70	< 0.28	< 0.28	< 0.70	< 0.70	< 3.6	< 3.6	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.06	< 0.060
1,2-Dibromoethane	0.005	0.05	< 0.72	< 0.36	< 0.36	< 1.8	< 1.8	< 0.72	< 0.72	< 1.8	< 1.8	< 3.9	< 3.9	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.54	< 0.27	< 0.27	< 1.4	< 1.4	< 0.54	< 0.54	< 1.4	< 1.4	< 3.3	< 3.3	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076
1,2-Dichloropropane	0.5	5	< 0.4	< 0.2	< 0.2	< 1.0	< 1.0	< 0.40	< 0.40	< 1.0	< 1.0	< 4.3	< 4.3	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,2,3-Trichlorobenzene	NE	NE	< 0.48	< 0.24	< 0.24	< 1.2	< 1.2	< 0.48	< 0.48	< 1.2	< 1.2	< 4.6	< 4.6	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.62	< 0.31	< 0.31	< 1.6	< 1.6	< 0.62	< 0.62	< 1.6	< 1.6	< 3.4	< 3.4	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.36	< 0.18	< 0.18	< 0.90	< 0.90	< 0.36	< 0.36	< 0.90	< 0.90	< 2.5	< 2.5	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3	< 3.0
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	2.0 J	< 0.77	< 0.77	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	14 BJ	25	< 3.4
Benzene	0.5	5	< 0.15	< 0.074	< 0.074	< 0.37	< 0.37	< 0.15	< 0.15	< 0.37	< 0.37	< 1.5	< 1.5	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 0.34	< 0.17	< 0.17	< 0.85	< 0.85	< 0.34	< 0.34	< 0.85	< 0.85	< 3.7	< 3.7	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
Bromoform	0.44	4.4	< 0.56	< 0.28	< 0.28	< 1.4	< 1.4	< 0.56	< 0.56	< 1.4	< 1.4	< 4.8	< 4.8	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
Bromomethane	1	10	< 0.62	< 0.31	< 0.31	< 1.6	< 1.6	< 0.62	< 0.62	< 1.6	< 1.6	< 8.0	< 8.0	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	< 0.053	< 0.053	0.14 J	0.35 J	< 0.053	0.22 J	< 0.053	< 0.053	< 0.053
Carbon tetrachloride	0.5	5	< 0.52	< 0.26	< 0.26	< 1.3	< 1.3	< 0.52	< 0.52	< 1.3	< 1.3	< 3.8	< 3.8	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038
Chloroform	0.6	6	< 0.4	< 0.2	< 0.2	< 1.0	< 1.0	< 0.40	< 0.40	< 1.0	< 1.0	< 3.7	< 3.7	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	0.19 J
Chloromethane	3	30	< 0.36	< 0.18	< 0.18	< 0.90	< 0.90	< 0.36	< 0.36	< 0.90	< 0.90	< 3.2	< 3.2	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	0.75 BJ	0.63 J	0.52 BJ	< 0.16	***5.1***	< 0.16
cis-1,2-Dichloroethene	7	70	***11***	***21***	***20***	***210***	***220***	***230***	***240***	***270***	***230***	***230***	***220***	2.5	2.5	0.84	3.0	3.6	***15***	***17***	***30***	2.1	***34***	***33***
Dichlorodifluoromethane	200	1000	< 0.4	< 0.2	< 0.2	< 1.0	< 1.0	< 0.40	< 0.40	< 1.0	< 1.0	< 5.4	< 5.4	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	1.0
Ethylbenzene	140	700	< 0.26	< 0.13	< 0.13	< 0.65	< 0.65	< 0.26	< 0.26	< 0.65	< 0.65	< 1.8	< 1.8	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.28	< 0.14	< 0.14	< 0.70	< 0.70	< 0.28	< 0.28	< 0.70	< 0.70	< 3.9	< 3.9	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	0.080 J
Methyl tert-butyl ether	12	60	< 0.48	< 0.24	< 0.24	< 1.2	< 1.2	< 0.48	< 0.48	< 1.2	< 1.2	< 3.9	< 3.9	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Methylene chloride	0.5	5	< 1.4	< 0.68	< 0.68	< 3.4	< 3.4	< 1.4	< 1.4	< 3.4	< 3.4	< 16	< 16	0.31 J	0.19 J	< 0.14	< 0.14	< 0.14	< 0.14	***0.68 BJ***	< 0.14	< 0.14	< 0.14	
Naphthalene	10	100	< 0.32	< 0.16	< 0.16	< 0.80	< 0.80	< 0.32	< 0.32	< 0.80	< 0.80	< 3.4	< 3.4	< 0.088	< 0.088	< 0.088	0.11 BJ	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	0.09 BJ	< 0.088
n-Butylbenzene	NE	NE	< 0.26	< 0.13	< 0.13	< 0.65	< 0.65	< 0.26	< 0.26	< 0.65	< 0.65	< 3.9	< 3.9	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.26	< 0.13	< 0.13	< 0.65	< 0.65	< 0.26	< 0.26	< 0.65	< 0.65	< 4.1	< 4.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.34	< 0.17	< 0.17	< 0.85	< 0.85	< 0.34	< 0.34	< 0.85	< 0.85	< 3.6	< 3.6	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.3	< 0.15	< 0.15	< 0.75	< 0.75	< 0.30	< 0.30	< 0.75	< 0.75	< 4.0	< 4.0	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Styrene	10	100	< 0.2	< 0.1	< 0.1	< 0.50	< 0.50	< 0.20	< 0.20	< 0.50	< 0.50	< 3.9	< 3.9	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
tert-Butylbenzene	NE	NE	< 0.28	< 0.14	< 0.14	< 0.70	< 0.70	< 0.28	< 0.28	< 0.70	< 0.70	< 4.0	< 4.0	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Tetrachloroethene	0.5	5	***840***	***150***	***150***	***1800***	***1700***	***1700***	***1700***	***1800***	***1800***	***2200***	***2200***	***12***	***13***	***7.4***	***18***	***19***	***20***	***18***	***14***	***2.3 B***	***0.92 B***	***610***
Toluene	160	800	< 0.22	< 0.11	< 0.11	< 0.55	< 0.55	< 0.22	< 0.22	< 0.55	< 0.55	< 1.5	< 1.5	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	0.11 BJ	< 0.053	< 0.053	0.080 J
trans-1,2-Dichloroethene	20	100	< 0.5	0.52 J	< 0.25	3.1 J	3.9 J	3.0	3.3	4.6 J	< 1.3	< 3.5	< 3.5	< 0.11	0.11 J	< 0.11	0.13 J	0.13 J	0.22 J	0.17 J	0.22 J	< 0.11	0.28 J	0.68
Trichloroethene	0.5	5	***12***	***9.8***	***9.9***	***120***	***130***	***140***	***140***	***160***	***140***	***130***	***130***	***2.4***	***2.5***	***0.84***	***2.4***	***2.7***	***6.7***	***7.2***	***19***	***4.4***	***0.8***	***86***
Vinyl chloride	0.02	0.2	< 0.2	< 0.1	< 0.1	< 0.50	< 0.50	< 0.20	< 0.20	< 0.50	< 0.50	< 2.0	< 2.0	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	***0.17 J***	< 0.16	< 0.16	< 0.16	***0.30 J***
Xylenes, Total	400	2000	< 0.14	< 0.068	< 0.068	< 0.34	< 0.34	< 0.14	< 0.14	< 0.34	< 0.34	< 2.2	< 2.2	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.12	< 0.12	< 0.12	< 0.12
Total PCBs																								
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																								
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																								
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-3D3	MW-3D3[3]	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	07/24/2012	07/24/2012	11/27/2012	12/19/2012	12/31/2012	01/03/2013	01/18/2013	01/31/2013	02/15/2013	02/27/2013	03/13/2013	04/19/2013	07/16/2013	10/07/2013	04/16/2014	10/16/2014	04/13/2015	10/19/2015	10/13/2016	10/05/2017
VOCs																					
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	NA	NA	NA	< 0.25	NA	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	NA	NA	NA	< 0.28	NA	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.1
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	NA	NA	NA	< 0.31	NA	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	NA	NA	NA	< 0.14	NA	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.06
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	NA	NA	NA	< 0.36	NA	< 0.36	NA	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	NA	NA	NA	< 0.27	NA	< 0.27	NA	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	NA	NA	NA	< 0.24	NA	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	NA	NA	NA	< 0.31	NA	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	NA	NA	NA	< 0.18	NA	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4
Benzene	0.5	5	< 0.074	< 0.074	< 0.074	NA	NA	NA	0.30 J	NA	< 0.074	NA	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	NA	NA	NA	< 0.17	NA	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	NA	NA	NA	< 0.28	NA	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	NA	NA	NA	< 0.31	NA	< 0.31 *	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	NA	NA	NA	< 0.26	NA	< 0.26	NA	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	NA	NA	NA	< 0.18	NA	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	0.79 BJ	0.58 J
cis-1,2-Dichloroethene	7	70	2.2	2.2	6.8	NA	NA	NA	***15***	NA	***7.7***	NA	6.2	4.0	1.2	< 0.12	< 0.12	< 0.12	< 0.12	< 0.41	< 0.11	< 0.11
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.13	NA	NA	NA	< 0.13	NA	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	NA	NA	NA	< 0.14	NA	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	NA	NA	NA	< 0.24	NA	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	NA	NA	NA	< 0.68	NA	< 0.68	NA	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.14	< 0.14
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	< 0.16	NA	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	0.1 BJ
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	NA	NA	NA	< 0.13	NA	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	NA	NA	NA	< 0.13	NA	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.1
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	NA	NA	NA	< 0.17	NA	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	NA	NA	NA	< 0.15	NA	< 0.15	NA	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13
Styrene	10	100	< 0.1	< 0.1	< 0.1	NA	NA	NA	< 0.1	NA	< 0.1	NA	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 0.065
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	NA	NA	NA	< 0.14	NA	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12
Tetrachloroethene	0.5	5	***6.6***	***6.6***	***1.7***	NA	NA	NA	***1.3***	NA	***0.72 J***	NA	***0.95 J***	***0.63 J***	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	0.49 J	0.15 BJ
Toluene	160	800	< 0.11	< 0.11	< 0.11	NA	NA	NA	0.21 J	NA	< 0.11	NA	< 0.11	0.53	2.8	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	0.10 J	0.07 J
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.25	NA	NA	NA	< 0.25	NA	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11
Trichloroethene	0.5	5	***1.1***	***1.2***	***1.1***	NA	NA	NA	0.40 J	NA	< 0.19	NA	< 0.19	< 0.19	0.31 J	***0.5***	< 0.19	< 0.19	< 0.19	< 0.16	< 0.062	< 0.062
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.1	NA	NA	NA	< 0.1	NA	< 0.1	NA	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.068	NA	NA	NA	< 0.068	NA	< 0.068	NA	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.12
Total PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.096	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																						
Total Dissolved Solids	NE	NE	NA	NA	410	350	360	320	300	340	380	670	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-4S	MW-4S[3]	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S[3]
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/08/2010	04/08/2010	03/30/2011	04/10/2012	01/15/2013	04/18/2013	07/18/2013	10/08/2013	04/17/2014	10/17/2014	10/05/2017	04/04/2018	04/04/2018
VOCs															
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA	NA
1,1,1-Trichloroethane	40	200	< 0.5	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.25	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	NA
1,1-Dichloroethene	0.7	7	< 0.5	< 0.5	< 0.5	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA	NA
1,2,4-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.2	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	NA
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.2	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	NA	NA	NA
1,2-Dichlorobenzene	60	600	< 0.2	< 0.2	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	NA	NA	NA
1,2-Dichloropropane	0.5	5	< 0.5	< 0.5	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	NA
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.25	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	NA	NA
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.25	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA	NA
1,3,5-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.2	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.2	< 0.2	< 0.2	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	NA	NA	NA
Bromodichloromethane	0.06	0.6	< 0.2	< 0.2	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	NA
Bromoform	0.44	4.4	< 0.2	< 0.2	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	NA
Bromomethane	1	10	< 0.5	< 0.5	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	NA	NA	NA
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.8	< 0.8	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NA	NA	NA
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	NA
Chloromethane	3	30	< 0.3	< 0.3	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA
cis-1,2-Dichloroethene	7	70	< 0.5	< 0.5	< 0.5	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	NA	NA	NA
Dichlorodifluoromethane	200	1000	< 0.5	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	NA
Ethylbenzene	140	700	< 0.5	< 0.5	< 0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	NA
Isopropylbenzene	NE	NE	< 0.2	< 0.2	< 0.2	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	NA
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 0.5	< 0.5	< 0.5	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24 *	NA	NA	NA
Methylene chloride	0.5	5	< 1	< 1	< 1	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	NA	NA	NA
Naphthalene	10	100	1.4	1.4	< 0.25	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA
n-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.2	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	NA
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.5	< 0.5	< 0.5	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	NA
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.2	< 0.2	< 0.2	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	NA
sec-Butylbenzene	NE	NE	< 0.25	< 0.25	< 0.25	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	NA	NA	NA
Styrene	10	100	< 0.5	< 0.5	< 0.5	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	NA	NA	NA
tert-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.2	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	NA
Tetrachloroethene	0.5	5	***1.5***	***1.7***	***1.6***	***0.96 J***	***1.4***	***1.8***	***0.90 J***	***1.2***	***1.9***	***1.4***	NA	NA	NA
Toluene	160	800	< 0.5	< 0.5	< 0.5	0.20 J	< 0.11	< 0.11	0.26 J	< 0.11	< 0.11	< 0.11	NA	NA	NA
trans-1,2-Dichloroethene	20	100	< 0.5	< 0.5	< 0.5	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA	NA
Trichloroethene	0.5	5	< 0.2	< 0.2	< 0.2	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	NA	NA	NA
Vinyl chloride	0.02	0.2	< 0.2	< 0.2	< 0.2	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	NA	NA	NA
Xylenes, Total	400	2000	< 0.5	< 0.5	< 0.5	< 0.3	< 0.068	< 0.068	0.28 J	< 0.068	< 0.068	< 0.068	NA	NA	NA
Total PCBs															
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	< 0.17	NA	NA	NA	NA	NA	< 0.035	< 0.035	< 0.035
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	< 0.091	NA	NA	NA	NA	NA	< 0.037	< 0.037	< 0.037
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	< 0.13	NA	NA	NA	NA	NA	< 0.038	< 0.038	< 0.038
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	< 0.02	< 0.020	< 0.020
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	ND	ND
Dissolved PCBs															
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids															
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3750	2960	2910
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	1.0 J

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/08/2010	03/30/2011	04/10/2012	01/16/2013	04/18/2013	07/17/2013	10/08/2013	04/17/2014	10/17/2014	10/12/2017	04/04/2018
VOCs													
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA
1,1,1-Trichloroethane	40	200	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA
1,1-Dichloroethene	0.7	7	< 0.5	< 0.5	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA
1,2,4-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	NA	NA
1,2-Dichlorobenzene	60	600	< 0.2	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	NA	NA
1,2-Dichloropropane	0.5	5	< 0.5	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	NA
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA
1,3,5-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.2	< 0.2	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	NA	NA
Bromodichloromethane	0.06	0.6	< 0.2	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA
Bromoform	0.44	4.4	< 0.2	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA
Bromomethane	1	10	< 0.5	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	NA	NA
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.8	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NA	NA
Chloroform	0.6	6	< 0.2	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA
Chloromethane	3	30	< 0.3	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA
cis-1,2-Dichloroethene	7	70	< 0.5	< 0.5	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	NA	NA
Dichlorodifluoromethane	200	1000	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA
Ethylbenzene	140	700	< 0.5	< 0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA
Isopropylbenzene	NE	NE	< 0.2	< 0.2	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 0.5	< 0.5	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24 *	NA	NA
Methylene chloride	0.5	5	< 1	< 1	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	NA	NA
Naphthalene	10	100	< 0.25	< 0.25	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA
n-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.5	< 0.5	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.2	< 0.2	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA
sec-Butylbenzene	NE	NE	< 0.25	< 0.25	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	NA	NA
Styrene	10	100	< 0.5	< 0.5	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	NA	NA
tert-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA
Tetrachloroethene	0.5	5	***0.9***	***0.7***	< 0.22	< 0.17	***0.51 J***	< 0.17	< 0.17	***0.58 J***	< 0.17	NA	NA
Toluene	160	800	< 0.5	< 0.5	< 0.15	< 0.11	< 0.11	0.36 J	< 0.11	< 0.11	< 0.11	NA	NA
trans-1,2-Dichloroethene	20	100	< 0.5	< 0.5	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA
Trichloroethene	0.5	5	< 0.2	< 0.2	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	NA	NA
Vinyl chloride	0.02	0.2	< 0.2	< 0.2	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	NA	NA
Xylenes, Total	400	2000	< 0.5	< 0.5	< 0.3	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	NA	NA
Total PCBs													
Aroclor-1016	0.003	0.03	NA	NA	NA	< 0.17	NA	NA	NA	NA	NA	< 0.035	< 0.035
Aroclor-1232	0.003	0.03	NA	NA	NA	< 0.093	NA	NA	NA	NA	NA	< 0.037	< 0.037
Aroclor-1242	0.003	0.03	NA	NA	NA	< 0.13	NA	NA	NA	NA	NA	< 0.038	< 0.038
Aroclor-1248	0.003	0.03	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	< 0.02	< 0.020
Total Detected PCBs	0.003	0.03	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	ND
Dissolved PCBs													
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids													
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	672	714
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6	1.2 J

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2[3]	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	03/30/2011	04/10/2012	01/16/2013	04/18/2013	07/18/2013	10/07/2013	04/17/2014	10/17/2014	10/21/2015	01/22/2016	04/20/2016	07/19/2016	07/19/2016	10/12/2016	1/19/2017	04/11/2017	10/05/2017	04/04/2018
VOCs																				
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.38	< 0.10	0.13 J	0.17 J	0.18 J	0.27 J	0.24 J	0.30 J	< 0.1	0.38 J
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,1-Dichloroethene	0.7	7	< 0.5	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	0.17 J
1,2,4-Trimethylbenzene	96	480	< 0.2	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.06	< 0.060
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076
1,2-Dichloropropane	0.5	5	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.43	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.2	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3	< 3.0
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Benzene	0.5	5	< 0.2	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089	< 0.089	< 0.089	0.34 J	< 0.089	< 0.089	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
Bromoform	0.44	4.4	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
Bromomethane	1	10	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	< 0.80	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053
Carbon tetrachloride	0.5	5	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038
Chloroform	0.6	6	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062
Chloromethane	3	30	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	< 0.16	0.20 J	0.18 J	0.52 BJ	0.26 BJ	< 0.16	0.93 J	< 0.16
cis-1,2-Dichloroethene	7	70	< 0.5	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.41	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Dichlorodifluoromethane	200	1000	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Ethylbenzene	140	700	< 0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	0.40 J	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.2	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057
Methyl tert-butyl ether	12	60	< 0.5	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24 *	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Methylene chloride	0.5	5	< 1	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Naphthalene	10	100	< 0.25	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	0.13 BJ	< 0.088
n-Butylbenzene	NE	NE	< 0.2	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.5	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.2	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.25	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Styrene	10	100	< 0.5	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.39	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
tert-Butylbenzene	NE	NE	< 0.2	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Tetrachloroethene	0.5	5	***1.9***	***0.73 J***	***1.2***	***0.92 J***	***1.2***	***0.84 J***	***1.5***	***1***	0.48 J	***0.8***	***0.76***	0.45 J	***0.55***	***0.65***	0.38 BJ	0.46 BJ	***0.61 B***	0.31 J
Toluene	160	800	< 0.5	0.40 J	< 0.11	0.45 J	0.39 J	< 0.11	< 0.11	< 0.11	< 0.15	< 0.053	< 0.053	< 0.053	< 0.053	0.13 J	0.11 BJ	< 0.053	< 0.053	0.10 J
trans-1,2-Dichloroethene	20	100	< 0.5	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Trichloroethene	0.5	5	< 0.2	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.16	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062
Vinyl chloride	0.02	0.2	< 0.2	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Xylenes, Total	400	2000	< 0.5	< 0.3	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	1.8	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.12	< 0.12	< 0.12	< 0.12
Total PCBs																				
Aroclor-1016	0.003	0.03	NA	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	< 0.087	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	< 0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																				
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																				
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-5S	MW-5S	MW-5S	MW-5S[3]	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/07/2010	10/01/2010	04/12/2012	04/12/2012	11/28/2012	01/17/2013	02/13/2013	04/19/2013	07/18/2013	10/04/2013	04/15/2014	10/21/2014	04/13/2015	10/21/2015	10/12/2016	10/04/2017
VOCs																		
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.31	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.22	< 0.11
1,1,1-Trichloroethane	40	200	< 0.5	< 0.5	< 0.26	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.20	< 0.1
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.25	< 0.3	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.20	< 0.1
1,1-Dichloroethene	0.7	7	< 0.5	< 0.5	< 0.29	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.28	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.22	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.12	< 0.06
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.2	< 0.45	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.26	< 0.13
1,2-Dichlorobenzene	60	600	< 0.2	< 0.2	< 0.21	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.15	< 0.076
1,2-Dichloropropane	0.5	5	< 0.5	< 0.5	< 0.36	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.20	< 0.1
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.25	< 0.36	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.090	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.25	< 0.22	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.15	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.23	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.15	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.0	< 3
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.9	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.8	3.5 J
Benzene	0.5	5	< 0.2	< 0.2	< 0.12	0.40 J	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.18	< 0.089
Bromodichloromethane	0.06	0.6	< 0.2	< 0.2	< 0.23	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.15	< 0.077
Bromoform	0.44	4.4	< 0.2	< 0.2	< 0.45	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.18	< 0.088
Bromomethane	1	10	< 0.5	< 0.5	< 0.49	< 0.49	< 0.31	0.73 J	< 0.31 *	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 1.2	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	< 0.053
Carbon tetrachloride	0.5	5	< 0.8	< 0.8	***1.2***	< 0.28	***1.1***	< 0.26	***1.4***	***1.1***	***1.3***	***1.3***	< 0.26	***0.79 J***	< 0.26	***1***	< 0.076	***0.81***
Chloroform	0.6	6	< 0.2	0.55	***0.84 J***	***0.88 J***	***0.79 J***	***0.79 J***	< 0.2	< 0.2	< 0.2	***0.61 J***	< 0.20	< 0.20	< 0.20	< 0.37	< 0.12	< 0.062
Chloromethane	3	30	< 0.3	< 0.3	< 0.24	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	1.2 BJ	1.3 J
cis-1,2-Dichloroethene	7	70	1.4	***10***	***13***	***14***	4.2	3.8	2.7	2.0	2.9	2.9	< 0.12	< 0.12	< 0.12	< 0.41	< 0.22	< 0.11
Dichlorodifluoromethane	200	1000	< 0.5	< 0.5	< 0.26	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.22	< 0.11
Ethylbenzene	140	700	< 0.5	< 0.5	< 0.14	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.11	< 0.054
Isopropylbenzene	NE	NE	< 0.2	< 0.2	< 0.21	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.16	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	0.06 BJ
Methyl tert-butyl ether	12	60	< 0.5	< 0.5	< 0.28	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.28	< 0.14
Methylene chloride	0.5	5	< 1	< 1	< 0.63	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.28	< 0.14
Naphthalene	10	100	1.4	< 0.25	< 0.24	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.18	< 0.088
n-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.21	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.28	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.42	< 0.21
n-Propylbenzene	NE	NE	< 0.5	< 0.5	< 0.19	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.20	< 0.1
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.12	< 0.058
p-Isopropyltoluene	NE	NE	< 0.2	< 0.2	< 0.24	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.17	< 0.085
sec-Butylbenzene	NE	NE	< 0.25	< 0.25	< 0.19	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.26	< 0.13
Styrene	10	100	< 0.5	< 0.5	< 0.26	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.13	< 0.065
tert-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.24	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.24	< 0.12
Tetrachloroethene	0.5	5	***41***	***670***	***360***	***370***	***240***	***260***	***210***	***130***	***190***	***170***	***47***	***75***	***100***	***110***	***58***	***46***
Toluene	160	800	< 0.5	< 0.5	< 0.15	< 0.15	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	0.22 J	< 0.053
trans-1,2-Dichloroethene	20	100	< 0.5	0.50	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.22	< 0.11
Trichloroethene	0.5	5	***1***	***13***	***9.8***	***10***	***4.7***	***4.4***	***3.8***	***2.8***	***3***	***2.9***	< 0.19	***1.2***	***0.99***	***0.79***	< 0.12	0.15 J
Vinyl chloride	0.02	0.2	< 0.2	< 0.2	< 0.13	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.32	< 0.16
Xylenes, Total	400	2000	< 0.5	< 0.5	< 0.3	< 0.3	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.12	< 0.12
Total PCBs																		
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	< 0.091	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																		
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																		
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	960	930	970	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-5D	MW-5D[3]	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D[3]	MW-5D	MW-5D	MW-5D[3]	MW-5D	MW-5D	MW-5D	MW-5D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/07/2010	04/07/2010	04/12/2012	11/28/2012	01/17/2013	02/13/2013	04/19/2013	07/18/2013	10/04/2013	04/15/2014	10/21/2014	04/13/2015	10/19/2015	01/21/2016	04/21/2016	04/21/2016	07/18/2016	10/12/2016	10/12/2016	1/18/2017	04/12/2017	10/04/2017	04/03/2018
VOCs																									
1,1,1,2-Tetrachloroethane	7	70	< 5	< 5	< 0.31	< 1.3	< 0.5	< 0.5	< 0.5	< 1.3	< 1.3	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.11	0.51	< 11	< 11	< 0.55	< 0.22	< 0.11
1,1,1-Trichloroethane	40	200	< 10	< 10	< 0.26	< 1	< 0.4	< 0.4	< 0.4	< 1	< 1	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 10	< 10	< 0.50	< 0.2	< 0.10
1,1,2-Trichloroethane	0.5	5	< 5	< 5	< 0.3	< 1.4	< 0.56	< 0.56	< 0.56	< 1.4	< 1.4	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 10	< 10	< 0.50	< 0.2	< 0.10
1,1-Dichloroethene	0.7	7	< 10	< 10	< 0.29	< 1.6	< 0.62	< 0.62	< 0.62	< 1.6	< 1.6	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 14	< 14	< 0.70	< 0.28	< 0.14
1,2,4-Trimethylbenzene	96	480	< 4	< 4	< 0.22	< 0.7	< 0.28	< 0.28	< 0.28	< 0.7	< 0.7	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 6.0	< 6.0	< 0.30	< 0.12	< 0.060
1,2-Dibromoethane	0.005	0.05	< 4	< 4	< 0.45	< 1.8	< 0.72	< 0.72	< 0.72	< 1.8	< 1.8	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 13	< 13	< 0.65	< 0.26	< 0.13
1,2-Dichlorobenzene	60	600	< 4	< 4	< 0.21	< 1.4	< 0.54	< 0.54	< 0.54	< 1.4	< 1.4	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 7.6	< 7.6	< 0.38	< 0.15	< 0.076
1,2-Dichloropropane	0.5	5	< 10	< 10	< 0.36	< 1	< 0.4	< 0.4	< 0.4	< 1	< 1	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 10	< 10	< 0.50	< 0.2	< 0.10
1,2,3-Trichlorobenzene	NE	NE	< 5	< 5	< 0.36	< 1.2	< 0.48	< 0.48	< 0.48	< 1.2	< 1.2	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045	0.23 BJ	< 0.045	< 4.5	< 4.5	< 0.23	< 0.09	< 0.045
1,2,4-Trichlorobenzene	14	70	< 5	< 5	< 0.22	< 1.6	< 0.62	< 0.62	< 0.62	< 1.6	< 1.6	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	0.13 BJ	< 0.077	< 7.7	< 7.7	< 0.39	< 0.15	< 0.077
1,3,5-Trimethylbenzene	96	480	< 4	< 4	< 0.23	< 0.9	< 0.36	< 0.36	< 0.36	< 0.9	< 0.9	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 7.5	< 7.5	< 0.38	< 0.15	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 300	< 300	< 15	< 6	< 3.0
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 95	< 95	< 4.8	< 1.9	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 77	< 77	< 3.9	< 1.5	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 340	< 340	< 17	< 6.8	< 3.4
Benzene	0.5	5	< 4	< 4	0.29 J	***1.1 J***	***1.2***	***1***	***0.88 J***	***1.5 J***	***2.8***	0.30 J	0.22 J	< 0.074	< 0.15	< 0.089	< 0.089	< 0.089	< 0.089	***5.7***	< 8.9	***9.0 J***	< 0.45	< 0.18	< 0.089
Bromodichloromethane	0.06	0.6	< 4	< 4	< 0.23	< 0.85	< 0.34	< 0.34	< 0.34	< 0.85	< 0.85	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 7.7	< 7.7	< 0.39	< 0.15	< 0.077
Bromoform	0.44	4.4	< 4	< 4	< 0.45	< 1.4	< 0.56	< 0.56	< 0.56	< 1.4	< 1.4	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 8.8	< 8.8	< 0.44	< 0.18	< 0.088
Bromomethane	1	10	< 10	< 10	< 0.49	< 1.6	< 0.62	< 0.62 *	< 0.62	< 1.6	< 1.6	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 59	< 59	< 3.0	< 1.2	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	0.11 J	< 0.053	< 0.053	< 5.3	15 J	0.70 J	< 0.11	0.10 J
Carbon tetrachloride	0.5	5	< 16	< 16	< 0.28	< 1.3	< 0.52	< 0.52	< 0.52	< 1.3	< 1.3	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 3.8	< 3.8	< 0.19	< 0.076	< 0.038
Chloroform	0.6	6	< 4	< 4	< 0.25	< 1	***1.0 J***	< 0.4	< 0.4	< 1	< 1	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	< 0.062	***1***	< 6.2	***11 BJ***	< 0.31	< 0.12	< 0.062
Chloromethane	3	30	< 6	< 6	< 0.24	< 0.9	< 0.36	< 0.36	< 0.36	< 0.9	< 0.9	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	< 0.16	< 0.16	< 0.16	0.57 BJ	***100 J***	< 16	< 0.80	1.4 J	< 0.16
cis-1,2-Dichloroethene	7	70	***48***	***48***	***26***	***93***	***110***	***94***	***100***	***120***	***140***	***77***	***100***	***190***	***10***	0.94	***11***	***13***	3.0	***210***	***270***	***230***	***13***	4	5.8
Dichlorodifluoromethane	200	1000	< 10	< 10	< 0.26	< 1	< 0.4	< 0.4	< 0.4	< 1	< 1	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 11	< 11	< 0.55	< 0.22	< 0.11
Ethylbenzene	140	700	< 10	< 10	< 0.14	< 0.65	< 0.26	< 0.26	< 0.26	< 0.65	< 0.65	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 5.4	< 5.4	< 0.27	< 0.11	< 0.054
Isopropylbenzene	NE	NE	< 4	< 4	< 0.21	< 0.7	< 0.28	< 0.28	< 0.28	< 0.7	< 0.7	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 8.1	< 8.1	< 0.41	< 0.16	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 5.7	8.0 BJ	< 0.29	< 0.11	0.060 J
Methyl tert-butyl ether	12	60	< 10	< 10	< 0.28	< 1.2	< 0.48	< 0.48	< 0.48	< 1.2	< 1.2	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	0.75	< 14	< 14	< 0.70	< 0.28	< 0.14
Methylene chloride	0.5	5	< 20	< 20	< 0.63	< 3.4	< 1.4	< 1.4	< 1.4	< 3.4	< 3.4	< 0.68	< 0.68	< 0.68	< 1.6	0.18 J	< 0.14	< 0.14	< 0.14	< 0.14	< 14	***18 BJ***	***1.3 J***	< 0.28	0.17 J
Naphthalene	10	100	< 5	< 5	< 0.24	< 0.8	< 0.32	< 0.32	< 0.32	< 0.8	< 0.8	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.088	0.22 BJ	< 0.088	< 8.8	< 8.8	< 0.44	< 0.18	< 0.088
n-Butylbenzene	NE	NE	< 4	< 4	< 0.21	< 0.65	< 0.26	< 0.26	< 0.26	< 0.65	< 0.65	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 14	< 14	< 0.70	< 0.28	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 21	< 21	< 1.1	< 0.42	< 0.21
n-Propylbenzene	NE	NE	< 10	< 10	< 0.19	< 0.65	< 0.26	< 0.26	< 0.26	< 0.65	< 0.65	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 10	< 10	< 0.50	< 0.2	< 0.10
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 5.8	< 5.8	< 0.29	< 0.12	< 0.058
p-Isopropyltoluene	NE	NE	< 4	< 4	< 0.24	< 0.85	< 0.34	< 0.34	< 0.34	< 0.85	< 0.85	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 8.5	< 8.5	< 0.43	< 0.17	< 0.085
sec-Butylbenzene	NE	NE	< 5	< 5	< 0.19	< 0.75	< 0.3	< 0.3	< 0.3	< 0.75	< 0.75	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 13	< 13	< 0.65	< 0.26	< 0.13
Styrene	10	100	< 10	< 10	< 0.26	< 0.5	< 0.2	< 0.2	< 0.2	< 0.5	< 0.5	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 0.065	< 0.065	0.24 J	< 0.065	< 6.5	< 6.5	< 0.33	< 0.13	< 0.065
tert-Butylbenzene	NE	NE	< 4	< 4	< 0.24	< 0.7	< 0.28	< 0.28	< 0.28	< 0.7	< 0.7	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 12	< 12	< 0.60	< 0.24	< 0.12
Tetrachloroethene	0.5	5	***1100***	***890***	***400***	***2000***	***1800***	***1700***	***1200***	***2000***	***2000***	< 0.17	***8.4***	***66***	***110***	***10***	***7.5***	***7.1***	***8.2***	***3600***	***4100***	***3500***	***190***	***68***	***57***
Toluene	160	800	< 10	< 10	0.30 J	< 0.55	< 0.22	< 0.22	< 0.22	< 0.55	< 0.55	< 0.11	< 0.11	< 0.11	< 0.15	< 0.053	< 0.053	< 0.053	< 0.053	0.10 J	11 J	16 BJ	< 0.27	< 0.11	0.060 J
trans-1,2-Dichloroethene	20	100	< 10	< 10	1.3	3.9 J	3.9	3.1	3.4	3.8 J	2.9 J	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11	0.11 J	< 0.11	3.6	< 11	< 11	< 0.55	< 0.22	0.28 J
Trichloroethene	0.5	5	***100***	***97***	***48***	***190***	***180***	***180***	***170***	***160***	***110***	< 0.19	***2.5***	***31***	***6.4***	***0.64***	***3***	***3***	***0.7***	***150***	***180***	***120 B***	***9.1***	***3.7***	***3.2***
Vinyl chloride	0.02	0.2	< 4	< 4	< 0.13	< 0.5	< 0.2	< 0.2	< 0.2	< 0.5	< 0.5	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 16	< 16	< 0.80	< 0.32	< 0.16
Xylenes, Total	400	2000	< 10	< 10	< 0.3	< 0.34	< 0.14	< 0.14	< 0.14	< 0.34	< 0.34	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 5.8	< 12	< 0.58	< 0.23	< 0.12
Total PCBs																									
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	< 0.094	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	< 0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																									
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																									
Total Dissolved Solids	NE	NE	NA	NA	NA	980	930	960	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2[3]	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	11/30/2012	01/17/2013	02/13/2013	04/19/2013	07/18/2013	10/09/2013	04/15/2014	10/21/2014	04/15/2015	10/22/2015	01/21/2016	01/21/2016	04/21/2016	07/18/2016	10/12/2016	1/20/2017	04/12/2017	10/04/2017	04/03/2018
VOCs																					
1,1,1,2-Tetrachloroethane	7	70	NA	< 0.25	< 0.25	< 0.25	< 0.5	< 0.25	< 0.50	< 0.25	< 0.50	< 0.92	< 1.1	< 1.1	< 4.4	< 1.1	< 2.2	< 2.2	< 2.2	< 2.2	< 0.55
1,1,1-Trichloroethane	40	200	NA	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.40	< 0.20	< 0.40	< 0.76	< 1.0	< 1.0	< 4.0	< 1.0	< 2.0	< 2.0	< 2.0	< 2	< 0.50
1,1,2-Trichloroethane	0.5	5	NA	< 0.28	< 0.28	< 0.28	< 0.56	< 0.28	< 0.56	< 0.28	< 0.56	< 0.70	< 1.0	< 1.0	< 4.0	< 1.0	< 2.0	< 2.0	< 2.0	< 2	< 0.50
1,1-Dichloroethene	0.7	7	NA	< 0.31	< 0.31	< 0.31	< 0.62	< 0.31	< 0.62	< 0.31	< 0.62	< 0.78	< 1.4	< 1.4	< 5.6	< 1.4	< 2.8	< 2.8	< 2.8	< 2.8	< 0.70
1,2,4-Trimethylbenzene	96	480	NA	< 0.14	< 0.14	< 0.14	< 0.28	< 0.14	< 0.28	< 0.14	< 0.28	< 0.72	< 0.60	< 0.60	< 2.4	< 0.60	< 1.2	< 1.2	< 1.2	< 1.2	< 0.30
1,2-Dibromoethane	0.005	0.05	NA	< 0.36	< 0.36	< 0.36	< 0.72	< 0.36	< 0.72	< 0.36	< 0.72	< 0.77	< 1.3	< 1.3	< 5.2	< 1.3	< 2.6	< 2.6	< 2.6	< 2.6	< 0.65
1,2-Dichlorobenzene	60	600	NA	< 0.27	< 0.27	< 0.27	< 0.54	< 0.27	< 0.54	< 0.27	< 0.54	< 0.67	< 0.76	< 0.76	< 3.0	< 0.76	< 1.5	< 1.5	< 1.5	< 1.5	< 0.38
1,2-Dichloropropane	0.5	5	NA	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.40	< 0.20	< 0.40	< 0.86	< 1.0	< 1.0	< 4.0	< 1.0	< 2.0	< 2.0	< 2.0	< 2	< 0.50
1,2,3-Trichlorobenzene	NE	NE	NA	< 0.24	< 0.24	< 0.24	< 0.48	< 0.24	< 0.48	< 0.24	< 0.48	< 0.92	< 0.45	< 0.45	7.2 BJ	< 0.45	< 0.90	< 0.90	< 0.90	< 0.9	< 0.23
1,2,4-Trichlorobenzene	14	70	NA	< 0.31	< 0.31	< 0.31	< 0.62	< 0.31	< 0.62	< 0.31	< 0.62	< 0.68	< 0.77	< 0.77	5.2 J	< 0.77	< 1.5	< 1.5	< 1.5	< 1.5	< 0.39
1,3,5-Trimethylbenzene	96	480	NA	< 0.18	< 0.18	< 0.18	< 0.36	< 0.18	< 0.36	< 0.18	< 0.36	< 0.51	< 0.75	< 0.75	< 3.0	< 0.75	< 1.5	< 1.5	< 1.5	< 1.5	< 0.38
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30	< 30	< 120	< 30	< 60	< 60	< 60	< 60	< 15
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 9.5	< 9.5	< 38	< 9.5	< 19	< 19	< 19	< 19	< 4.8
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 7.7	< 7.7	< 31	< 7.7	< 15	< 15	< 15	< 15	< 3.9
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 34	< 34	< 140	< 34	< 68	< 68	< 68	< 68	< 17
Benzene	0.5	5	NA	< 0.074	< 0.074	< 0.074	< 0.15	< 0.074	< 0.15	< 0.074	< 0.15	< 0.29	< 0.89	< 0.89	< 3.6	< 0.89	< 1.8	< 1.8	< 1.8	< 1.8	< 0.45
Bromodichloromethane	0.06	0.6	NA	< 0.17	< 0.17	< 0.17	< 0.34	< 0.17	< 0.34	< 0.17	< 0.34	< 0.74	< 0.77	< 0.77	< 3.1	< 0.77	< 1.5	< 1.5	< 1.5	< 1.5	< 0.39
Bromoform	0.44	4.4	NA	< 0.28	< 0.28	< 0.28	< 0.56	< 0.28	< 0.56	< 0.28	< 0.56	< 0.97	< 0.88	< 0.88	< 3.5	< 0.88	< 1.8	< 1.8	< 1.8	< 1.8	< 0.44
Bromomethane	1	10	NA	< 0.31	< 0.31 *	< 0.31	< 0.62	< 0.31	< 0.62	< 0.31	< 0.62	< 1.6	< 5.9	< 5.9	< 24	< 5.9	< 12	< 12	< 12	< 12	< 3.0
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.53	< 0.53	< 2.1	< 0.53	< 1.1	< 1.1	< 1.1	< 1.1	< 0.27
Carbon tetrachloride	0.5	5	NA	< 0.26	< 0.26	< 0.26	< 0.52	< 0.26	< 0.52	< 0.26	< 0.52	< 0.77	< 0.38	< 0.38	< 1.5	< 0.38	< 0.76	< 0.76	< 0.76	< 0.76	< 0.19
Chloroform	0.6	6	NA	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.40	< 0.20	< 0.40	< 0.74	< 0.62	< 0.62	< 2.5	< 0.62	< 1.2	< 1.2	***2.2 J***	< 1.2	< 0.31
Chloromethane	3	30	NA	< 0.18	< 0.18	< 0.18	< 0.36	< 0.18	< 0.36	< 0.18	< 0.36	< 0.64	< 1.6	< 1.6	< 6.4	< 1.6	***11 BJ***	***5.8 BJ***	< 3.2	***4.2 J+***	< 0.80
cis-1,2-Dichloroethene	7	70	NA	6.6	***9.2***	4.7	3.6	1.5	< 0.24	0.79 J	2.1	2.9	1.4 J	1.6 J	< 4.4	6.1	< 2.2	< 2.2	2.2 J	4.8 J	< 0.55
Dichlorodifluoromethane	200	1000	NA	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.40	< 0.20	< 0.40	< 1.1	< 1.1	< 1.1	< 4.4	< 1.1	< 2.2	< 2.2	< 2.2	< 2.2	< 0.55
Ethylbenzene	140	700	NA	< 0.13	< 0.13	< 0.13	< 0.26	< 0.13	< 0.26	< 0.13	< 0.26	< 0.37	< 0.54	< 0.54	< 2.2	< 0.54	< 1.1	< 1.1	< 1.1	< 1.1	< 0.27
Isopropylbenzene	NE	NE	NA	< 0.14	< 0.14	< 0.14	< 0.28	< 0.14	< 0.28	< 0.14	< 0.28	< 0.77	< 0.81	< 0.81	< 3.2	< 0.81	< 1.6	< 1.6	< 1.6	< 1.6	< 0.41
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.57	< 0.57	< 2.3	< 0.57	< 1.1	1.6 BJ	< 1.1	1.2 BJ	< 0.29
Methyl tert-butyl ether	12	60	NA	< 0.24	< 0.24	< 0.24	< 0.48	< 0.24	< 0.48	< 0.24	< 0.48	< 0.79	< 1.4	< 1.4	< 5.6	< 1.4	< 2.8	< 2.8	< 2.8	< 2.8	< 0.70
Methylene chloride	0.5	5	NA	< 0.68	< 0.68	< 0.68	< 1.4	***5.7***	< 1.4	< 0.68	< 1.4	< 3.3	< 1.4	< 1.4	< 5.6	< 1.4	< 2.8	***3.4 BJ***	< 2.8	< 2.8	***0.90 J+***
Naphthalene	10	100	NA	< 0.16	< 0.16	< 0.16	< 0.32	< 0.16	< 0.32	< 0.16	< 0.32	< 0.67	< 0.88	< 0.88	***12 BJ***	< 0.88	< 1.8	< 1.8	< 1.8	< 1.8	< 0.44
n-Butylbenzene	NE	NE	NA	< 0.13	< 0.13	< 0.13	< 0.26	< 0.13	< 0.26	< 0.13	< 0.26	< 0.78	< 1.4	< 1.4	< 5.6	< 1.4	< 2.8	< 2.8	< 2.8	< 2.8	< 0.70
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.1	< 2.1	< 8.4	< 2.1	< 4.2	< 4.2	< 4.2	< 4.2	< 1.1
n-Propylbenzene	NE	NE	NA	< 0.13	< 0.13	< 0.13	< 0.26	< 0.13	< 0.26	< 0.13	< 0.26	< 0.83	< 1.0	< 1.0	< 4.0	< 1.0	< 2.0	< 2.0	< 2.0	< 2	< 0.50
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.58	< 0.58	< 2.3	< 0.58	< 1.2	1.4 BJ	< 1.2	< 1.2	< 0.29
p-Isopropyltoluene	NE	NE	NA	< 0.17	< 0.17	< 0.17	< 0.34	< 0.17	< 0.34	< 0.17	< 0.34	< 0.72	< 0.85	< 0.85	< 3.4	< 0.85	< 1.7	< 1.7	< 1.7	< 1.7	< 0.43
sec-Butylbenzene	NE	NE	NA	< 0.15	< 0.15	< 0.15	< 0.3	< 0.15	< 0.30	< 0.15	< 0.30	< 0.80	< 1.3	< 1.3	< 5.2	< 1.3	< 2.6	< 2.6	< 2.6	< 2.6	< 0.65
Styrene	10	100	NA	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.20	< 0.10	< 0.20	< 0.77	< 0.65	< 0.65	< 2.6	< 0.65	< 1.3	< 1.3	< 1.3	1.4 BJ	< 0.33
tert-Butylbenzene	NE	NE	NA	< 0.14	< 0.14	< 0.14	< 0.28	< 0.14	< 0.28	< 0.14	< 0.28	< 0.80	< 1.2	< 1.2	< 4.8	< 1.2	< 2.4	< 2.4	< 2.4	< 2.4	< 0.60
Tetrachloroethene	0.5	5	NA	***650***	***650***	***640***	***710***	***110***	***520***	***47***	***700***	***640***	***380***	***380***	***160***	***970***	***550***	***570***	***670***	***940***	***210***
Toluene	160	800	NA	0.70	0.22 J	0.35 J	2.4	0.43 J	< 0.22	< 0.11	< 0.22	< 0.30	< 0.53	< 0.53	< 2.1	< 0.53	< 1.1	3.2 BJ	< 1.1	1.2 BJ	< 0.27
trans-1,2-Dichloroethene	20	100	NA	< 0.25	< 0.25	< 0.25	< 0.5	< 0.25	< 0.50	< 0.25	< 0.50	< 0.70	< 1.1	< 1.1	< 4.4	< 1.1	< 2.2	< 2.2	< 2.2	< 2.2	< 0.55
Trichloroethene	0.5	5	NA	***9.5***	***8.4***	***7.4***	***8.1***	***6.1***	***7.1***	***2.2***	***8.2***	***9.1***	***4.7 J***	***5.5***	< 2.5	***13***	***8.4 J***	***6.6 BJ***	***7.8 J***	***12***	***2.3 J***
Vinyl chloride	0.02	0.2	NA	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.20	< 0.10	< 0.20	< 0.41	< 1.6	< 1.6	< 6.4	< 1.6	< 3.2	< 3.2	< 3.2	< 3.2	< 0.80
Xylenes, Total	400	2000	NA	< 0.068	< 0.068	< 0.068	< 0.14	< 0.068	< 0.14	< 0.068	< 0.14	< 0.44	< 0.58	< 0.58	< 2.3	< 0.58	< 1.2	3.0 BJ	< 2.3	< 2.3	< 0.58
Total PCBs																					
Aroclor-1016	0.003	0.03	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	< 0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	< 0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																					
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																					
Total Dissolved Solids	NE	NE	720	590	610	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	11/28/2012	01/18/2013	02/13/2013	04/21/2013	07/17/2013	10/07/2013	04/16/2014	10/20/2014	04/13/2015	10/21/2015	01/21/2016	04/21/2016	07/20/2016	10/12/2016	1/19/2017	04/12/2017	10/04/2017	04/03/2018
VOCs																				
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.06	< 0.060
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	0.18 J	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	0.13 J	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3	< 3.0
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	< 3.4	< 3.4	9.6 J+	15 BJ	< 3.4	< 3.4
Benzene	0.5	5	< 0.074	0.28 J	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089	< 0.089	0.19 J	0.15 BJ	< 0.089	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
Bromomethane	1	10	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	0.10 J	< 0.053	< 0.053	< 0.053	< 0.053	0.080 J
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	< 0.16	< 0.16	0.67 BJ	0.37 BJ	< 0.16	0.22 J+	< 0.16
cis-1,2-Dichloroethene	7	70	3.1	***12***	***12***	1.6	2.1	4.5	< 0.12	< 0.12	< 0.12	< 0.41	0.19 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	0.11 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.13	< 0.13	0.32 J	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054	0.18 J	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	0.49 J	< 0.057	< 0.057	< 0.057	0.06 BJ	< 0.057
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	0.16 J	< 0.14	< 0.14	< 0.14	0.17 BJ	< 0.14	< 0.14	< 0.14
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	0.36 BJ	< 0.088	< 0.088
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	0.24 J	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Tetrachloroethene	0.5	5	***19***	***0.59 J***	***0.83 J***	***1.8***	***0.78 J***	***1.5***	< 0.17	< 0.17	< 0.17	< 0.37	0.14 J	< 0.081	0.10 J	0.22 J	< 0.081	0.25 BJ	< 0.081	< 0.081
Toluene	160	800	< 0.11	< 0.11	< 0.11	0.29 J	0.53	0.20 J	< 0.11	< 0.11	< 0.11	< 0.15	0.080 J	< 0.053	< 0.053	0.15 J	0.17 BJ	< 0.053	0.08 BJ	0.12 J
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Trichloroethene	0.5	5	***2.6***	< 0.19	< 0.19	< 0.19	< 0.19	0.29 J	< 0.19	< 0.19	< 0.19	< 0.16	< 0.062	< 0.062	< 0.062	< 0.062	0.16 BJ	0.18 J	< 0.062	< 0.062
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.068	< 0.068	0.68 J	< 0.068	< 0.068	< 0.068	< 0.068	0.25 J	< 0.058	< 0.058	0.73	< 0.058	< 0.12	< 0.12	< 0.12	< 0.12
Total PCBs																				
Aroclor-1016	0.003	0.03	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	< 0.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	< 0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																				
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																				
Total Dissolved Solids	NE	NE	360	290	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S[3]	MW-6S
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/31/2009	04/07/2010	07/01/2010	10/01/2010	12/28/2010	04/11/2012	01/17/2013	04/20/2013	07/18/2013	10/07/2013	04/17/2014	10/16/2014	04/14/2015	10/22/2015	10/12/2016	10/09/2017	10/09/2017	04/04/2018
VOCs																				
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	NA
1,1,1-Trichloroethane	40	200	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1	< 0.1	NA
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.1	< 0.1	NA
1,1-Dichloroethene	0.7	7	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	NA
1,2,4-Trimethylbenzene	96	480	4.3	3.3	1.3	2.2	3.2	4.8	12	0.92 J	< 0.14	1.4	2.0	0.96 J	1.4	1.3	0.83	0.37 J	0.3 J	NA
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	NA
1,2-Dichlorobenzene	60	600	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	NA
1,2-Dichloropropane	0.5	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1	< 0.1	NA
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	0.07 BJ	< 0.045	NA
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	NA
1,3,5-Trimethylbenzene	96	480	0.92	7.3	0.27	4.6	0.39	1.5	3.4	< 0.18	< 0.18	< 0.18	0.73 J	< 0.18	1.1	1.7	0.45 J	0.17 J	0.15 J	NA
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3	< 3	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	< 3.4	NA
Benzene	0.5	5	***7.6***	***7.9***	***5***	***5.3***	***5***	***4.1***	***9.3***	***1.9***	0.34 J	***2.6***	***2.8***	***2.1***	***3.3***	***3.8***	***2.9***	***0.71***	***0.65***	NA
Bromodichloromethane	0.06	0.6	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	***1.2***	< 0.077	< 0.077	< 0.077	NA
Bromoform	0.44	4.4	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	NA
Bromomethane	1	10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	NA
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	< 0.053	NA
Carbon tetrachloride	0.5	5	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	NA
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	NA
Chloromethane	3	30	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	0.62 BJ	2.2	***3.6***	NA
cis-1,2-Dichloroethene	7	70	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.41	< 0.11	< 0.11	< 0.11	NA
Dichlorodifluoromethane	200	1000	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	< 0.11	NA
Ethylbenzene	140	700	23	14	6.0	13	15	9.8	40	0.18 J	< 0.13	8.0	7.5	3.5	6.4	7.1	2.0	0.79	0.75	NA
Isopropylbenzene	NE	NE	12	9.4	5.3	7.5	6.4	4.1	12	< 0.14	< 0.14	3.2	2.6	2.1	2.9	3.7	1.4	0.53	0.52	NA
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.78 J	0.37 J	0.35 J	NA
Methyl tert-butyl ether	12	60	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14	< 0.14	NA
Methylene chloride	0.5	5	< 1	< 1	< 1	< 1	< 1	***8.3***	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	***9.4 cn***	< 0.14	< 0.14	< 0.14	NA
Naphthalene	10	100	***26***	***14***	6.4	***10***	***16***	***19***	***43***	< 0.16	< 0.16	3.8	4.2	1.9	6.6	9.8	2.0 J	0.69 BJ	0.29 BJ	NA
n-Butylbenzene	NE	NE	1.6	1.6	0.92	1.2	0.86	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	NA
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	NA
n-Propylbenzene	NE	NE	4.9	3.7	1.9	3.3	3.0	1.8	6.8	< 0.13	< 0.13	1.3	1.5	< 0.13	1.2	1.5	0.46 J	0.19 J	< 0.1	NA
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.17 J	0.11 J	0.1 J	NA
p-Isopropyltoluene	NE	NE	1.7	1.6	0.72	1.1	0.83	< 0.24	2.4	< 0.17	< 0.17	< 0.17	0.56 J	< 0.17	< 0.17	0.95 J	0.35 J	0.16 J	0.14 J	NA
sec-Butylbenzene	NE	NE	1.9	1.8	1.5	1.5	1.0	0.56 J	1.8	< 0.15	< 0.15	< 0.15	0.82 J	< 0.15	< 0.15	0.86 J	0.38 J	0.13 J	< 0.13	NA
Styrene	10	100	0.53	0.51	< 0.5	< 0.5	1.1	< 0.26	0.64 J	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	0.1 BJ	0.07 J	NA
tert-Butylbenzene	NE	NE	0.27	0.31	0.22	0.24	< 0.2	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	NA
Tetrachloroethene	0.5	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.22	< 0.17	***0.53 J***	< 0.17	< 0.17	***0.66 J***	< 0.17	< 0.17	< 0.37	***0.6***	< 0.081	< 0.081	NA
Toluene	160	800	3.3	3.3	1.2	1.8	2.0	2.5	6.3	0.82	< 0.11	1.1	1.1	< 0.11	1.9	2.4	0.75	0.32 BJ	0.32 J	NA
trans-1,2-Dichloroethene	20	100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11	< 0.11	NA
Trichloroethene	0.5	5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.16	< 0.062	< 0.062	< 0.062	NA
Vinyl chloride	0.02	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16	NA
Xylenes, Total	400	2000	9.6	8.2	2.6	4.5	6.4	7.8	25	1.8	< 0.068	3.3	2.8	1.9	3.3	3.7	0.95	0.48 J	0.45 J	NA
Total PCBs																				
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	< 0.035	< 0.035	< 0.035
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.094	NA	NA	NA	NA	NA	NA	NA	NA	< 0.037	< 0.037	< 0.037
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	NA	NA	NA	NA	NA	< 0.038	< 0.038	< 0.038
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	< 0.02	< 0.02	< 0.020
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND
Dissolved PCBs																				
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																				
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3970	3910	3400
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2 J	1.2 J	7.4

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D[3]	MW-6D	MW-6D[3]	MW-6D	MW-6D	MW-6D[3]	MW-6D	MW-6D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/31/2009	04/07/2010	07/01/2010	10/01/2010	12/28/2010	03/31/2011	04/12/2012	01/16/2013	01/16/2013	04/20/2013	04/20/2013	07/18/2013	07/18/2013	10/07/2013	10/07/2013	04/17/2014
VOCs																		
1,1,1,2-Tetrachloroethane	7	70	< 13	< 20	< 13	< 0.25	< 2.5	< 10	< 0.62	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.25	< 0.25	< 0.50
1,1,1-Trichloroethane	40	200	< 25	< 40	< 25	< 0.5	< 5	< 20	< 0.52	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2	< 0.2	< 0.40
1,1,2-Trichloroethane	0.5	5	< 13	< 20	< 13	< 0.25	< 2.5	< 10	< 0.6	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.28	< 0.28	< 0.56
1,1-Dichloroethene	0.7	7	< 25	< 40	< 25	< 0.5	< 5	< 20	< 0.58	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.31	< 0.31	< 0.62
1,2,4-Trimethylbenzene	96	480	***330***	***130***	***130***	***160***	***180***	74	19	23	25	11	6.1	16	17	41	38	9.7
1,2-Dibromoethane	0.005	0.05	***15***	< 16	< 10	***11***	***9.7***	< 8	< 0.9	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.36	< 0.36	< 0.72
1,2-Dichlorobenzene	60	600	< 10	< 16	< 10	< 0.2	< 2	< 8	< 0.42	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.27	< 0.27	< 0.54
1,2-Dichloropropane	0.5	5	< 25	< 40	< 25	***7.2***	***6***	< 20	< 0.72	< 0.4	< 0.4	***1.9 J***	***1.7 J***	< 0.4	< 0.4	< 0.2	< 0.2	< 0.40
1,2,3-Trichlorobenzene	NE	NE	< 13	< 20	< 13	< 0.25	< 2.5	< 10	< 0.72	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.24	< 0.24	< 0.48
1,2,4-Trichlorobenzene	14	70	< 13	< 20	< 13	< 0.25	< 2.5	< 10	< 0.44	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.31	< 0.31	< 0.62
1,3,5-Trimethylbenzene	96	480	23	< 16	< 10	13	13	< 8	< 0.46	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	0.71 J	< 0.18	< 0.36
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	***3900***	***3200***	***2900***	< 0.2	***2900***	***2100***	***1500***	***1300***	***1400***	***600***	***500***	***810***	***800***	***1000***	***840***	***650***
Bromodichloromethane	0.06	0.6	< 10	< 16	< 10	< 0.2	< 2	< 8	< 0.46	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.17	< 0.17	< 0.34
Bromoform	0.44	4.4	< 10	< 16	< 10	< 0.2	< 2	< 8	< 0.9	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.28	< 0.28	< 0.56
Bromomethane	1	10	< 25	< 40	< 25	< 0.5	< 5	< 20	< 0.98	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.31	< 0.31	< 0.62
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 40	< 64	< 40	< 0.8	< 8	< 32	< 0.56	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.26	< 0.26	< 0.52
Chloroform	0.6	6	< 10	< 16	< 10	< 0.2	< 2	< 8	***3.6***	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2	< 0.2	< 0.40
Chloromethane	3	30	< 15	< 24	< 15	< 0.3	< 3	< 12	< 0.48	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.18	< 0.18	< 0.36
cis-1,2-Dichloroethene	7	70	< 25	< 40	< 25	1.4	< 5	< 20	< 0.44	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	0.89 J	< 0.12	2.8
Dichlorodifluoromethane	200	1000	< 25	< 40	< 25	< 0.5	< 5	< 20	< 0.52	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2	< 0.2	< 0.40
Ethylbenzene	140	700	47	< 40	26	39	35	< 20	8.7	7.5	7.9	3.5	2.8	7.1	7.9	8.1	7.5	6.7
Isopropylbenzene	NE	NE	54	43	32	45	40	35	23	30	32	16	12	27	30	29	27	22
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 25	< 40	< 25	< 0.5	< 5	< 20	< 0.56	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.24	< 0.24	< 0.48
Methylene chloride	0.5	5	< 50	< 80	< 50	< 1	< 10	< 40	< 1.3	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.68	< 0.68	< 1.4
Naphthalene	10	100	***380***	***280***	***370***	***370***	***360***	***190***	***110***	***54***	***58***	3.9	2.8	***50***	***64***	***72***	***71***	***12***
n-Butylbenzene	NE	NE	12	< 16	< 10	10	7.9	< 8	< 0.42	< 0.26	< 0.26	< 0.26	< 0.26	5.0	6.3	< 0.13	4.3	< 0.26
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	49	< 40	27	36	31	21	11	13	14	5.4	3.6	12	13	14	13	9.2
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 10	< 16	< 10	6.5	5.1	< 8	2.6	3.8	3.9	1.7 J	1.2 J	3.2	3.6	3.4	< 0.17	2.7
sec-Butylbenzene	NE	NE	< 13	< 20	< 13	4.7	4.2	< 10	2.2	3.4	3.8	2.0	1.3 J	3.2	3.6	3.2	3.0	3.0
Styrene	10	100	< 25	< 40	< 25	3.5	***12***	< 20	< 0.52	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	1.0	< 0.1	< 0.20
tert-Butylbenzene	NE	NE	< 10	< 16	< 10	< 0.2	< 2	< 8	< 0.48	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.14	< 0.14	< 0.28
Tetrachloroethene	0.5	5	***36***	***45***	***27***	***30***	***26***	***28***	***20***	***25***	***26***	***22***	***17***	***23***	***25***	***17***	***16***	***10***
Toluene	160	800	130	100	88	120	120	58	36	30	31	9.4	7.8	24	27	38	35	25
trans-1,2-Dichloroethene	20	100	< 25	< 40	< 25	< 0.5	< 5	< 20	< 0.54	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.25	< 0.25	< 0.50
Trichloroethene	0.5	5	< 10	< 16	< 10	***4.5***	***4.5***	< 8	***3.9***	***11***	***11***	***13***	***11***	***12***	< 0.38	***18***	***17***	***24***
Vinyl chloride	0.02	0.2	< 10	< 16	< 10	< 0.2	< 2	< 8	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.20
Xylenes, Total	400	2000	***630***	320	250	***450***	***400***	130	40	40	41	12	8.3	34	39	63	58	16
Total PCBs																		
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	< 0.094	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																		
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																		
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-6D[3]	MW-6D	MW-6D[3]	MW-6D	MW-6D[3]	MW-6D	MW-6D[3]	MW-6D	MW-6D	MW-6D	MW-6D[3]	MW-6D	MW-6D[3]	MW-6D	MW-6D[3]	MW-6D	MW-6D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/17/2014	10/16/2014	10/16/2014	04/14/2015	04/14/2015	10/22/2015	10/22/2015	01/22/2016	04/20/2016	07/19/2016	10/12/2016	10/12/2016	1/20/2017	1/20/2017	04/11/2017	04/11/2017	10/09/2017	04/04/2018
VOCs																				
1,1,1,2-Tetrachloroethane	7	70	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.46	< 0.92	< 2.2	< 5.5	< 1.1	< 5.5	< 5.5	< 11	< 5.5	< 11	< 1.1	< 5.5	< 0.11
1,1,1-Trichloroethane	40	200	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.38	< 0.76	< 2.0	< 5.0	< 1.0	< 5.0	< 5.0	< 10	< 5.0	< 10	< 1.0	< 5	< 0.10
1,1,2-Trichloroethane	0.5	5	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.35	< 0.70	< 2.0	< 5.0	< 1.0	< 5.0	< 5.0	< 10	< 5.0	< 10	< 1.0	< 5	< 0.10
1,1-Dichloroethene	0.7	7	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.39	< 0.78	< 2.8	< 7.0	< 1.4	< 7.0	< 7.0	< 14	< 7.0	< 14	< 1.4	< 7	< 0.14
1,2,4-Trimethylbenzene	96	480	8.9	13	13	4.0	4.2	6.9	6.6	9.0 J	15 J	57	***100***	***110***	***110 B***	***110***	***96***	***110***	***170***	***140***
1,2-Dibromoethane	0.005	0.05	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.39	< 0.77	< 2.6	< 6.5	< 1.3	< 6.5	< 6.5	< 13	< 6.5	< 13	< 1.3	< 6.5	< 0.13
1,2-Dichlorobenzene	60	600	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.33	< 0.67	< 1.5	< 3.8	< 0.76	< 3.8	< 3.8	< 7.6	< 3.8	< 7.6	< 0.76	< 3.8	< 0.076
1,2-Dichloropropane	0.5	5	***2.3***	***2.4***	< 0.40	***2.2***	< 0.40	< 0.43	< 0.86	< 2.0	< 5.0	< 1.0	< 5.0	< 5.0	< 10	< 5.0	< 10	< 1.0	< 5	< 0.10
1,2,3-Trichlorobenzene	NE	NE	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.46	< 0.92	< 0.90	< 2.3	< 0.45	< 2.3	< 2.3	< 4.5	< 2.3	< 4.5	< 0.45	< 2.3	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.34	< 0.68	< 1.5	< 3.9	< 0.77	< 3.9	< 3.9	< 7.7	< 3.9	< 7.7	< 0.77	< 3.9	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.25	< 0.51	< 1.5	< 3.8	< 0.75	< 3.8	< 3.8	< 7.5	< 3.8	< 7.5	< 0.75	< 3.8	2.1
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	< 60	< 150	< 30	< 150	< 150	< 300	< 150	< 300	< 30	< 150	< 3.0
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	< 19	< 48	< 9.5	< 48	< 48	< 95	< 48	< 95	< 9.5	< 48	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	< 15	< 39	< 7.7	< 39	< 39	< 77	< 39	< 77	< 7.7	< 39	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	< 68	< 170	< 34	< 170	< 170	< 340	< 170	< 340	< 34	< 170	20
Benzene	0.5	5	***710***	***990***	***980***	***790***	***700***	***660***	***560***	***610***	***810***	***1400***	***1600***	***1700***	***2100***	***2200***	***1700***	***1700***	***2000***	***2200***
Bromodichloromethane	0.06	0.6	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.37	< 0.74	< 1.5	< 3.9	< 0.77	< 3.9	< 3.9	< 7.7	< 3.9	< 7.7	< 0.77	< 3.9	< 0.077
Bromoform	0.44	4.4	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.48	< 0.97	< 1.8	< 4.4	< 0.88	< 4.4	< 4.4	< 8.8	< 4.4	< 8.8	< 0.88	< 4.4	< 0.088
Bromomethane	1	10	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.80	< 1.6	< 12	< 30	< 5.9	< 30	< 30	< 59	< 30	< 59	< 5.9	< 30	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	< 1.1	< 2.7	< 0.53	8.5 J	< 2.7	< 5.3	< 2.7	< 5.3	< 0.53	< 2.7	< 0.053
Carbon tetrachloride	0.5	5	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.38	< 0.77	< 0.76	< 1.9	< 0.38	< 1.9	< 1.9	< 3.8	< 1.9	< 3.8	< 0.38	< 1.9	< 0.038
Chloroform	0.6	6	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.37	< 0.74	< 1.2	***5.5 BJ***	< 0.62	< 3.1	< 3.1	< 6.2	< 3.1	< 6.2	< 0.62	< 3.1	< 0.062
Chloromethane	3	30	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.32	< 0.64	< 3.2	< 8.0	< 1.6	***45 BJ***	***47 J***	***28 BJ***	***9.5 BJ***	< 16	< 1.6	***19 J***	< 0.16
cis-1,2-Dichloroethene	7	70	2.5	2.4	2.2	2.9	3.4	3.1	3.2	3.6 J	< 5.5	3.8 J	< 5.5	< 5.5	< 11	< 5.5	< 11 J	***7.3 J***	< 5.5	***8.3***
Dichlorodifluoromethane	200	1000	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.54	< 1.1	< 2.2	< 5.5	< 1.1	< 5.5	< 5.5	< 11	< 5.5	< 11	< 1.1	< 5.5	< 0.11
Ethylbenzene	140	700	6.3	8.0	7.2	3.3	3.5	4.7	4.5	4.0 J	6.0 J	11	18 J	20 J	21 J	20 J	23 J	22	36	47
Isopropylbenzene	NE	NE	21	24	20	13	13	17	16	5.8 J	22 J	31	31	28	29 BJ	31	33 J	34	33	30
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	8.2 J	22 J	98	140	130	110 B	110 B	73 J	80	140	55
Methyl tert-butyl ether	12	60	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.39	< 0.79	< 2.8	< 7.0	< 1.4	< 7.0	< 7.0	< 14	< 7.0	< 14	< 1.4	< 7	< 0.14
Methylene chloride	0.5	5	< 1.4	***76***	***61***	< 1.4	< 1.4	< 1.6	< 3.3	< 2.8	< 7.0	***51***	< 7.0	< 7.0	< 14	< 7.0	< 14	< 1.4	< 7	< 0.14
Naphthalene	10	100	***10***	***18***	***15***	< 0.32	< 0.32	2.9	2.6	< 1.8	7.0 BJ	***67***	***110 J***	***110 J***	***140 BJ***	***140 J***	***81 J***	***110 J***	***140 BJ***	***65***
n-Butylbenzene	NE	NE	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.39	< 0.78	< 2.8	< 7.0	5.5	< 7.0	< 7.0	< 14	< 7.0	< 14 J	6.3 J	< 7	4.2
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	< 4.2	< 11	< 2.1	< 11	< 11	< 21	< 11	< 21	< 2.1	< 11	< 0.21
n-Propylbenzene	NE	NE	8.6	7.9	7.5	3.8	4.0	5.5	5.5	2.6 J	10 J	17	20 J	19 J	23 J	21 J	24 J	24	28	30
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	2.6 J	< 2.9	5.3	8.0 J	6.5 J	13 BJ	11 BJ	9.0 J	8.7	9.5 J	6.8
p-Isopropyltoluene	NE	NE	2.5	2.5	2.2	< 0.34	< 0.34	< 0.36	< 0.72	< 1.7	< 4.3	3.6 J	< 4.3	< 4.3	< 8.5	< 4.3	< 8.5	< 0.85	< 4.3	3.7
sec-Butylbenzene	NE	NE	2.8	2.8	2.3	< 0.30	< 0.30	2.3	2.3	< 2.6	< 6.5	3.4 J	< 6.5	< 6.5	< 13	< 6.5	< 13	< 1.3	< 6.5	3.8
Styrene	10	100	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.39	< 0.77	< 1.3	< 3.3	1.7 J	< 3.3	< 3.3	< 6.5	< 3.3	< 6.5	< 0.65	6 J	< 0.065
tert-Butylbenzene	NE	NE	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.40	< 0.80	< 2.4	< 6.0	< 1.2	< 6.0	< 6.0	< 12	< 6.0	< 12	< 1.2	< 6	0.35 J
Tetrachloroethene	0.5	5	***8.9***	***4***	***3.1***	< 0.34	< 0.34	***0.97 J***	***1.6 J***	***1.8 J***	< 4.1	***2.7 J***	***7.0 J***	***9.0 J***	< 8.1	< 4.1	< 8.1	***0.90 J***	***9 BJ***	***0.53***
Toluene	160	800	24	26	27	17	17	22	22	13	23 J	65	90	95	120 B	110 B	100	110	140	140
trans-1,2-Dichloroethene	20	100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.35	< 0.70	< 2.2	< 5.5	< 1.1	< 5.5	< 5.5	< 11	< 5.5	< 11 J	1.8 J	< 5.5	3.3
Trichloroethene	0.5	5	***23***	***31***	***28***	***21***	***22***	***19***	***18***	***8.4 J***	***24 J***	***25***	***24 J***	***22 J***	***23 BJ***	***20 BJ***	***23 J***	***26***	***20 J***	***15***
Vinyl chloride	0.02	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.41	< 3.2	< 8.0	< 1.6	< 8.0	< 8.0	< 16	< 8.0	< 16	< 1.6	< 8	< 0.16
Xylenes, Total	400	2000	15	25	24	8.6	9.1	16	16	10.8	22	103.3	148	136.5	120 BJ	120 B	82 J	89	150	62
Total PCBs																				
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																				
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																				
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	08/26/2011	04/10/2012	01/14/2013	04/16/2013	07/17/2013	10/03/2013	08/26/2011	04/10/2012	01/15/2013	04/16/2013	07/17/2013	10/03/2013
VOCs														
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25
1,1,1-Trichloroethane	40	200	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28
1,1-Dichloroethene	0.7	7	< 0.5	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.5	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31
1,2,4-Trimethylbenzene	96	480	< 0.2	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.2	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36
1,2-Dichlorobenzene	60	600	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27
1,2-Dichloropropane	0.5	5	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31
1,3,5-Trimethylbenzene	96	480	< 0.2	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.2	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.2	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074
Bromodichloromethane	0.06	0.6	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17
Bromoform	0.44	4.4	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28
Bromomethane	1	10	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26
Chloroform	0.6	6	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2
Chloromethane	3	30	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18
cis-1,2-Dichloroethene	7	70	< 0.5	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.5	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12
Dichlorodifluoromethane	200	1000	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	140	700	< 0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13
Isopropylbenzene	NE	NE	< 0.2	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.2	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 0.5	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.5	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24
Methylene chloride	0.5	5	< 1	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 1	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68
Naphthalene	10	100	< 0.25	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.25	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16
n-Butylbenzene	NE	NE	< 0.2	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.2	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.5	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.5	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.2	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.2	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17
sec-Butylbenzene	NE	NE	< 0.25	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.25	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15
Styrene	10	100	< 0.5	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1
tert-Butylbenzene	NE	NE	< 0.2	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.2	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14
Tetrachloroethene	0.5	5	< 0.5	< 0.22	< 0.17	< 0.17	< 0.17	< 0.17	< 0.5	< 0.22	< 0.17	< 0.17	< 0.17	< 0.17
Toluene	160	800	< 0.5	< 0.15	< 0.11	< 0.11	< 0.11	< 0.11	< 0.5	< 0.15	< 0.11	< 0.11	< 0.11	< 0.11
trans-1,2-Dichloroethene	20	100	< 0.5	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.5	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25
Trichloroethene	0.5	5	< 0.2	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.2	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19
Vinyl chloride	0.02	0.2	< 0.2	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes, Total	400	2000	< 0.5	< 0.3	< 0.068	< 0.068	< 0.068	< 0.068	< 0.5	< 0.3	< 0.068	< 0.068	< 0.068	< 0.068
Total PCBs														
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs														
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids														
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-9D	MW-9D	MW-9D[3]	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	09/09/2011	04/11/2012	04/11/2012	01/15/2013	04/18/2013	07/18/2013	10/04/2013	04/16/2014	10/14/2014	04/09/2015	10/20/2015	10/13/2016	10/04/2017
VOCs															
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.31	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.5	< 0.26	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.3	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.1
1,1-Dichloroethene	0.7	7	< 0.5	< 0.29	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.2	< 0.22	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.06
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.45	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.2	< 0.21	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076
1,2-Dichloropropane	0.5	5	< 0.5	< 0.36	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.36	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.22	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.2	< 0.23	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	17 BJ
Benzene	0.5	5	< 0.2	< 0.12	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 0.2	< 0.23	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077
Bromoform	0.44	4.4	< 0.2	< 0.45	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088
Bromomethane	1	10	< 0.5	< 0.49	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.80	< 0.59	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.16 J	< 0.053
Carbon tetrachloride	0.5	5	< 0.8	< 0.28	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	0.09 J
Chloroform	0.6	6	< 0.2	< 0.25	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062
Chloromethane	3	30	< 0.3	< 0.24	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	0.63 BJ	***4.7***
cis-1,2-Dichloroethene	7	70	< 0.5	< 0.22	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.41	< 0.11	< 0.11
Dichlorodifluoromethane	200	1000	< 0.5	< 0.26	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11
Ethylbenzene	140	700	< 0.5	< 0.14	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.2	< 0.21	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057
Methyl tert-butyl ether	12	60	< 0.5	< 0.28	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14
Methylene chloride	0.5	5	< 1	***9***	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.14	< 0.14
Naphthalene	10	100	< 0.25	< 0.24	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088
n-Butylbenzene	NE	NE	< 0.2	< 0.21	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.5	< 0.19	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.1
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.2	< 0.24	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.25	< 0.19	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13
Styrene	10	100	< 0.5	< 0.26	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	0.08 BJ
tert-Butylbenzene	NE	NE	< 0.2	< 0.24	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12
Tetrachloroethene	0.5	5	< 0.5	< 0.22	< 0.22	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	0.20 J	< 0.081
Toluene	160	800	< 0.5	< 0.15	< 0.15	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	< 0.053	< 0.053
trans-1,2-Dichloroethene	20	100	< 0.5	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11
Trichloroethene	0.5	5	< 0.2	< 0.18	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.16	< 0.062	< 0.062
Vinyl chloride	0.02	0.2	< 0.2	< 0.13	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16
Xylenes, Total	400	2000	< 0.5	< 0.3	< 0.3	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.12
Total PCBs															
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs															
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids															
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	09/09/2011	04/11/2012	01/15/2013	04/18/2013	07/18/2013	10/04/2013	04/16/2014	10/14/2014	04/10/2015	10/20/2015	01/21/2016	04/20/2016	07/19/2016	10/13/2016	1/19/2017	04/12/2017	10/04/2017	04/05/2018
VOCs																				
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,1-Dichloroethene	0.7	7	< 0.5	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.2	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.06	< 0.060
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076
1,2-Dichloropropane	0.5	5	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.2	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3	< 3.0
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	6.4 BJ	< 3.4
Benzene	0.5	5	< 0.2	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	0.11 J	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	0.09 J	< 0.089
Bromodichloromethane	0.06	0.6	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
Bromoform	0.44	4.4	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
Bromomethane	1	10	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053
Carbon tetrachloride	0.5	5	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038
Chloroform	0.6	6	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062
Chloromethane	3	30	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	0.29 J	< 0.16	0.40 J	0.55 BJ	0.49 BJ	< 0.16	1.4 J+	< 0.16
cis-1,2-Dichloroethene	7	70	***12***	***11***	***14***	***16***	***16***	***18***	***19***	***24***	***26***	***32***	3.9	***34***	***31***	***35***	1.0 B	1.5	***32***	1.7
Dichlorodifluoromethane	200	1000	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	0.36 J	0.48 J	0.46 J	< 0.11	< 0.11	0.63	< 0.11
Ethylbenzene	140	700	< 0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.2	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057
Methyl tert-butyl ether	12	60	7.4	9.3	***20***	10	***12***	***15***	9.6	***12***	***17***	***24***	***18***	***21***	***28***	***29***	2.9 J+	2.4	***38***	< 0.14
Methylene chloride	0.5	5	< 1	***8.8***	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	0.17 J	< 0.14	< 0.14	< 0.14	***1.4 BJ***	< 0.14	< 0.14	< 0.14
Naphthalene	10	100	< 0.25	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
n-Butylbenzene	NE	NE	< 0.2	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.5	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.2	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.25	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Styrene	10	100	< 0.5	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	0.08 BJ	< 0.065
tert-Butylbenzene	NE	NE	< 0.2	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Tetrachloroethene	0.5	5	***29***	***10***	***26***	***28***	***30***	***34***	***26***	***41***	***37***	***41***	***11***	***58***	***44***	***61***	***2.6 B***	***5.5***	***49***	***5.9***
Toluene	160	800	< 0.5	< 0.15	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	< 0.053	< 0.053	< 0.053	< 0.053	0.15 BJ	< 0.053	< 0.053	< 0.053
trans-1,2-Dichloroethene	20	100	< 0.5	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	0.61	0.58	0.64	< 0.11	< 0.11	0.65	0.14 J+
Trichloroethene	0.5	5	***5***	***3.8***	***5.5***	***6***	***6.3***	***7.4***	***6.5***	***9.6***	***9.5***	***11***	***2.8***	***13***	***13***	***16***	***0.95 B***	***1.7***	***14***	***1.6***
Vinyl chloride	0.02	0.2	< 0.2	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16	***0.17 J***	< 0.16	< 0.16	< 0.16	***0.59***	< 0.16
Xylenes, Total	400	2000	< 0.5	< 0.3	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.058	< 0.058	< 0.058	< 0.12	< 0.12	< 0.12	< 0.12
Total PCBs																				
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																				
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																				
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	11 - 21 ft	11 - 21 ft	11 - 21 ft	11 - 21 ft	11 - 21 ft	11 - 21 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	3 - 13 ft	3 - 13 ft	3 - 13 ft	3 - 13 ft	3 - 13 ft	3 - 13 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/10/2012	05/09/2012	01/15/2013	04/17/2013	07/17/2013	10/09/2013	04/12/2012	05/09/2012	01/15/2013	04/17/2013	07/18/2013	10/04/2013	10/09/2017	04/05/2018	04/12/2012	05/09/2012	01/16/2013	04/17/2013	07/18/2013	10/04/2013
VOCs																						
1,1,1,2-Tetrachloroethane	7	70	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,1,1-Trichloroethane	40	200	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NA	NA	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,1,2-Trichloroethane	0.5	5	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1-Dichloroethene	0.7	7	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
1,2,4-Trimethylbenzene	96	480	0.76 J	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	0.55 J	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	1.2	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
1,2-Dibromoethane	0.005	0.05	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	NA	NA	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
1,2-Dichlorobenzene	60	600	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	NA	NA	< 0.21	< 0.27	0.79 J	< 0.27	< 0.27	< 0.27
1,2-Dichloropropane	0.5	5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NA	NA	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2,3-Trichlorobenzene	NE	NE	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	NA	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2,4-Trichlorobenzene	14	70	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
1,3,5-Trimethylbenzene	96	480	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	NA	NA	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074
Bromodichloromethane	0.06	0.6	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Bromoform	0.44	4.4	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Bromomethane	1	10	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NA	NA	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Chloroform	0.6	6	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NA	NA	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chloromethane	3	30	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
cis-1,2-Dichloroethene	7	70	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	NA	NA	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Dichlorodifluoromethane	200	1000	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NA	NA	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	140	700	0.20 J	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Isopropylbenzene	NE	NE	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	NA	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Methylene chloride	0.5	5	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	NA	NA	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68
Naphthalene	10	100	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
n-Butylbenzene	NE	NE	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
sec-Butylbenzene	NE	NE	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	NA	NA	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Styrene	10	100	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	NA	NA	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
tert-Butylbenzene	NE	NE	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Tetrachloroethene	0.5	5	< 0.22	< 0.17	***0.85 J***	< 0.17	< 0.17	< 0.17	< 0.22	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	***0.78 J***	***1.7***	***0.93 J***	< 0.17	***1.3***	***1.5***
Toluene	160	800	0.54	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	0.73	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	NA	NA	0.64	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
trans-1,2-Dichloroethene	20	100	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Trichloroethene	0.5	5	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	NA	NA	< 0.18	0.26 J	< 0.19	< 0.19	< 0.19	< 0.19
Vinyl chloride	0.02	0.2	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	NA	NA	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes, Total	400	2000	0.83 J	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	0.86 J	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	NA	NA	1.6	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068
Total PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.035	< 0.035	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.037	< 0.037	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.038	< 0.038	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.02	< 0.020	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA
Dissolved PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																						
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1960	1650	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/06/2012	01/19/2013	02/21/2013	04/17/2013	07/22/2013	10/07/2013	04/16/2014	10/14/2014	04/14/2015	10/16/2015	10/10/2016	10/03/2017
VOCs														
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.5	< 0.25	< 0.25	< 0.50	< 0.50	< 0.50	< 0.46	< 1.1	< 0.44
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.2	< 0.40	< 0.40	< 0.40	< 0.38	< 1.0	< 0.4
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.56	< 0.28	< 0.28	< 0.56	< 0.56	< 0.56	< 0.35	< 1.0	< 0.4
1,1-Dichloroethene	0.7	7	***0.92 J***	***1.1***	***0.88 J***	< 0.62	***0.85 J***	***1.1***	***1.3 J***	< 0.62	***1.4 J***	***0.73 J***	< 1.4	< 0.56
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.28	< 0.14	< 0.14	< 0.28	< 0.28	< 0.28	< 0.36	< 0.60	< 0.24
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.72	< 0.36	< 0.36	< 0.72	< 0.72	< 0.72	< 0.39	< 1.3	< 0.52
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.54	< 0.27	< 0.27	< 0.54	< 0.54	< 0.54	< 0.33	< 0.76	< 0.3
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.2	< 0.40	< 0.40	< 0.40	< 0.43	< 1.0	< 0.4
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.48	< 0.24	< 0.24	< 0.48	< 0.48	< 0.48	< 0.46	< 0.45	< 0.18
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.62	< 0.31	< 0.31	< 0.62	< 0.62	< 0.62	< 0.34	< 0.77	< 0.31
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.36	< 0.18	< 0.18	< 0.36	< 0.36	< 0.36	< 0.25	< 0.75	< 0.3
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30	< 12
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 9.5	< 3.8
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 7.7	< 3.1
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 34	< 14
Benzene	0.5	5	0.34 J	0.38 J	0.32 J	0.38 J	0.34 J	0.46 J	< 0.15	< 0.15	< 0.15	< 0.15	< 0.89	< 0.36
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.34	< 0.17	< 0.17	< 0.34	< 0.34	< 0.34	< 0.37	< 0.77	< 0.31
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.56	< 0.28	< 0.28	< 0.56	< 0.56	< 0.56	< 0.48	< 0.88	< 0.35
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.62	< 0.31	< 0.31	< 0.62	< 0.62 *	< 0.62	< 0.80	< 5.9	< 2.4
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.53	< 0.21
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.52	< 0.26	< 0.26	< 0.52	< 0.52	< 0.52	< 0.38	< 0.38	< 0.15
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.2	< 0.40	< 0.40	< 0.40	< 0.37	< 0.62	< 0.25
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.36	< 0.18	< 0.18	< 0.36	< 0.36	< 0.36	< 0.32	***4.3 BJ***	< 0.64
cis-1,2-Dichloroethene	7	70	***540***	***450***	***460***	***460***	***430***	***480***	***450***	***440***	***360***	***220***	***97***	***50***
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.2	< 0.40	< 0.40	< 0.40	< 0.54	< 1.1	< 0.44
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.13	< 0.26	< 0.13	< 0.13	< 0.26	< 0.26	< 0.26	< 0.18	< 0.54	< 0.22
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.28	< 0.14	< 0.14	< 0.28	< 0.28	< 0.28	< 0.39	< 0.81	< 0.32
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.57	< 0.23
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	< 0.48	< 0.24	< 0.24	< 0.48	< 0.48	< 0.48	< 0.39	< 1.4	< 0.56
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 1.4	< 0.68	< 0.68	< 1.4	< 1.4	< 1.4	< 1.6	< 1.4	< 0.56
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.32	< 0.16	< 0.16	< 0.32	< 0.32	< 0.32	< 0.34	< 0.88	< 0.35
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.26	< 0.13	< 0.13	< 0.26	< 0.26	< 0.26	< 0.39	< 1.4	< 0.56
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.1	< 0.84
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.26	< 0.13	< 0.13	< 0.26	< 0.26	< 0.26	< 0.41	< 1.0	< 0.4
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.58	< 0.23
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.34	< 0.17	< 0.17	< 0.34	< 0.34	< 0.34	< 0.36	< 0.85	< 0.34
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.3	< 0.15	< 0.15	< 0.30	< 0.30	< 0.30	< 0.40	< 1.3	< 0.52
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.1	< 0.20	< 0.20	< 0.20	< 0.39	< 0.65	< 0.26
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.28	< 0.14	< 0.14	< 0.28	< 0.28	< 0.28	< 0.40	< 1.2	< 0.48
Tetrachloroethene	0.5	5	***640***	***760***	***630***	***680***	***720***	***800***	***750***	***750***	***580***	***360***	***240***	***160***
Toluene	160	800	< 0.11	< 0.11	< 0.11	< 0.22	< 0.11	< 0.11	< 0.22	< 0.22	< 0.22	< 0.15	< 0.53	< 0.21
trans-1,2-Dichloroethene	20	100	7.3	6.7	6.1	6.9	6.9	8.4	8.5	7.7	8.4	4.0	< 1.1	0.68 J
Trichloroethene	0.5	5	***230***	***200***	***220***	***230***	***220***	***290***	***300***	***260***	***320***	***170***	***93***	***59***
Vinyl chloride	0.02	0.2	***15***	***17***	***17***	***13***	***13***	***17***	***14***	***16***	***16***	***8.6***	***3.7 J***	***1.5 J***
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.068	< 0.14	< 0.068	< 0.068	< 0.14	< 0.14	< 0.14	< 0.22	< 0.58	< 0.46
Total PCBs														
Aroclor-1016	0.003	0.03	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	< 0.085	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	< 0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs														
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids														
Total Dissolved Solids	NE	NE	1400	1400	1400	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/06/2012	01/19/2013	02/21/2013	04/17/2013	07/22/2013	10/07/2013	04/16/2014	10/14/2014	04/14/2015	10/16/2015	10/10/2016	10/03/2017
VOCs														
1,1,1,2-Tetrachloroethane	7	70	< 1.3	< 1.3	< 1.3	< 2.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 0.92	< 1.1	< 0.22
1,1,1-Trichloroethane	40	200	< 1	< 1	< 1	< 2	< 1	< 1	< 1.0	< 1.0	< 1.0	< 0.76	< 1.0	< 0.2
1,1,2-Trichloroethane	0.5	5	< 1.4	< 1.4	< 1.4	< 2.8	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.70	< 1.0	< 0.2
1,1-Dichloroethene	0.7	7	***2.8 J***	***3.1 J***	< 1.6	< 3.1	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 0.78	< 1.4	< 0.28
1,2,4-Trimethylbenzene	96	480	< 0.7	< 0.7	< 0.7	< 1.4	< 0.7	< 0.7	< 0.70	< 0.70	< 0.70	< 0.72	< 0.60	< 0.12
1,2-Dibromoethane	0.005	0.05	< 1.8	< 1.8	< 1.8	< 3.6	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 0.77	< 1.3	< 0.26
1,2-Dichlorobenzene	60	600	< 1.4	< 1.4	< 1.4	< 2.7	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.67	< 0.76	< 0.15
1,2-Dichloropropane	0.5	5	< 1	< 1	< 1	< 2	< 1	< 1	< 1.0	< 1.0	< 1.0	< 0.86	< 1.0	< 0.2
1,2,3-Trichlorobenzene	NE	NE	< 1.2	< 1.2	< 1.2	< 2.4	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.92	< 0.45	< 0.09
1,2,4-Trichlorobenzene	14	70	< 1.6	< 1.6	< 1.6	< 3.1	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 0.68	< 0.77	< 0.15
1,3,5-Trimethylbenzene	96	480	< 0.9	< 0.9	< 0.9	< 1.8	< 0.9	< 0.9	< 0.90	< 0.90	< 0.90	< 0.51	< 0.75	< 0.15
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30	< 6
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 9.5	< 1.9
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 7.7	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 34	< 6.8
Benzene	0.5	5	< 0.37	***1.1 J***	< 0.37	< 0.74	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.29	< 0.89	< 0.18
Bromodichloromethane	0.06	0.6	< 0.85	< 0.85	< 0.85	< 1.7	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.74	< 0.77	< 0.15
Bromoform	0.44	4.4	< 1.4	< 1.4	< 1.4	< 2.8	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.97	< 0.88	< 0.18
Bromomethane	1	10	< 1.6	< 1.6	< 1.6	< 3.1	< 1.6	< 1.6	< 1.6	< 1.6 *	< 1.6	< 1.6	< 5.9	< 1.2
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.53	< 0.11
Carbon tetrachloride	0.5	5	< 1.3	< 1.3	< 1.3	< 2.6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 0.77	< 0.38	< 0.076
Chloroform	0.6	6	< 1	< 1	< 1	< 2	< 1	< 1	< 1.0	< 1.0	< 1.0	< 0.74	< 0.62	0.18 J
Chloromethane	3	30	< 0.9	< 0.9	< 0.9	< 1.8	< 0.9	< 0.9	< 0.90	< 0.90	< 0.90	< 0.64	***4.7 BJ***	< 0.32
cis-1,2-Dichloroethene	7	70	***3500***	***3100***	***2900***	***3200***	***2300***	***1500***	***1300***	***810***	***710***	***470***	***89***	***24***
Dichlorodifluoromethane	200	1000	< 1	< 1	< 1	< 2	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.1	< 1.1	< 0.22
Ethylbenzene	140	700	< 0.65	< 0.65	< 0.65	< 1.3	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.37	< 0.54	< 0.11
Isopropylbenzene	NE	NE	< 0.7	< 0.7	< 0.7	< 1.4	< 0.7	< 0.7	< 0.70	< 0.70	< 0.70	< 0.77	< 0.81	< 0.16
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.57	< 0.11
Methyl tert-butyl ether	12	60	< 1.2	< 1.2	< 1.2	< 2.4	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.79	< 1.4	< 0.28
Methylene chloride	0.5	5	< 3.4	< 3.4	< 3.4	< 6.8	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.3	< 1.4	< 0.28
Naphthalene	10	100	< 0.8	< 0.8	< 0.8	< 1.6	< 0.8	< 0.8	< 0.80	< 0.80	< 0.80	< 0.67	< 0.88	< 0.18
n-Butylbenzene	NE	NE	< 0.65	< 0.65	< 0.65	< 1.3	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.78	< 1.4	< 0.28
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.1	< 0.42
n-Propylbenzene	NE	NE	< 0.65	< 0.65	< 0.65	< 1.3	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.83	< 1.0	< 0.2
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.58	< 0.12
p-Isopropyltoluene	NE	NE	< 0.85	< 0.85	< 0.85	< 1.7	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.72	< 0.85	< 0.17
sec-Butylbenzene	NE	NE	< 0.75	< 0.75	< 0.75	< 1.5	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.80	< 1.3	< 0.26
Styrene	10	100	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.77	< 0.65	< 0.13
tert-Butylbenzene	NE	NE	< 0.7	< 0.7	< 0.7	< 1.4	< 0.7	< 0.7	< 0.70	< 0.70	< 0.70	< 0.80	< 1.2	< 0.24
Tetrachloroethene	0.5	5	***3800***	***4300***	***2900***	***3800***	***2800***	***2000***	***1600***	***1600***	***1200***	***970***	***270***	***84***
Toluene	160	800	< 0.55	< 0.55	< 0.55	< 1.1	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.30	< 0.53	< 0.11
trans-1,2-Dichloroethene	20	100	***60***	***56***	***48***	***52***	***37***	***27***	***23***	12	11	< 0.70	< 1.1	0.48 J
Trichloroethene	0.5	5	***1100***	***1000***	***800***	***940***	***630***	***510***	***440***	***260***	***270***	***180***	***55***	***18***
Vinyl chloride	0.02	0.2	***150***	***180***	***140***	***130***	***110***	***92***	***83***	***45***	***50***	< 0.41	***3.2 J***	***0.6 J***
Xylenes, Total	400	2000	< 0.34	< 0.34	< 0.34	< 0.68	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.44	< 0.58	< 0.23
Total PCBs														
Aroclor-1016	0.003	0.03	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	< 0.085	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	< 0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs														
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids														
Total Dissolved Solids	NE	NE	1100	1100	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-13	MP-13	MP-13	MP-13[3]	MP-13	MP-13[3]	MP-13	MP-13[3]	MP-13	MP-13[3]	MP-13	MP-13[3]	MP-13	MP-13	MP-13[3]	MP-13	MP-13[3]	MP-13	MP-13
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/06/2012	12/12/2012	01/19/2013	01/19/2013	02/21/2013	02/21/2013	04/17/2013	04/17/2013	07/22/2013	07/22/2013	10/07/2013	10/07/2013	04/16/2014	04/16/2014	10/14/2014	04/14/2015	04/14/2015	10/16/2015	10/16/2015	10/10/2016	10/03/2017
VOCs																							
1,1,1,2-Tetrachloroethane	7	70	< 2.5	NA	4.8 J	4.1 J	4.5 J	4.8 J	< 5	< 2.5	< 2.5	< 2.5	< 1.3	< 1.3	< 2.5	< 5.0	< 2.5	< 2.5	< 2.5	< 9.2	< 9.2	< 22	< 11
1,1,1-Trichloroethane	40	200	< 2	NA	< 2	< 2	< 1	< 1	< 4	< 2	< 2	< 2	< 1	< 1	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 7.6	< 7.6	< 20	< 10
1,1,2-Trichloroethane	0.5	5	< 2.8	NA	< 2.8	< 2.8	< 1.4	< 1.4	< 5.6	< 2.8	< 2.8	< 2.8	< 1.4	< 1.4	< 2.8	< 5.6	< 2.8	< 2.8	< 2.8	< 7.0	< 7.0	< 20	< 10
1,1-Dichloroethene	0.7	7	< 3.1	NA	< 3.1	***4.2 J***	***4.2 J***	***3.5 J***	< 6.2	< 3.1	< 3.1	< 3.1	< 1.6	< 1.6	< 3.1	< 6.2	< 3.1	< 3.1	< 3.1	< 7.8	< 7.8	< 28	< 14
1,2,4-Trimethylbenzene	96	480	< 1.4	NA	< 1.4	< 1.4	< 0.7	< 0.7	< 2.8	< 1.4	< 1.4	< 1.4	< 0.7	< 0.7	< 1.4	< 2.8	< 1.4	< 1.4	< 1.4	< 7.2	< 7.2	< 12	< 6
1,2-Dibromoethane	0.005	0.05	< 3.6	NA	< 3.6	< 3.6	< 1.8	< 1.8	< 7.2	< 3.6	< 3.6	< 3.6	< 1.8	< 1.8	< 3.6	< 7.2	< 3.6	< 3.6	< 3.6	< 7.7	< 7.7	< 26	< 13
1,2-Dichlorobenzene	60	600	< 2.7	NA	< 2.7	< 2.7	< 1.4	< 1.4	< 5.4	< 2.7	< 2.7	< 2.7	< 1.4	< 1.4	< 2.7	< 5.4	< 2.7	< 2.7	< 2.7	< 6.7	< 6.7	< 15	< 7.6
1,2-Dichloropropane	0.5	5	< 2	NA	< 2	< 2	< 1	< 1	< 4	< 2	< 2	< 2	< 1	< 1	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 8.6	< 8.6	< 20	< 10
1,2,3-Trichlorobenzene	NE	NE	< 2.4	NA	< 2.4	< 2.4	< 1.2	< 1.2	< 4.8	< 2.4	< 2.4	< 2.4	< 1.2	< 1.2	< 2.4	< 4.8	< 2.4	< 2.4	< 2.4	< 9.2	< 9.2	< 9.0	< 4.5
1,2,4-Trichlorobenzene	14	70	< 3.1	NA	< 3.1	< 3.1	< 1.6	< 1.6	< 6.2	< 3.1	< 3.1	< 3.1	< 1.6	< 1.6	< 3.1	< 6.2	< 3.1	< 3.1	< 3.1	< 6.8	< 6.8	< 15	< 7.7
1,3,5-Trimethylbenzene	96	480	< 1.8	NA	< 1.8	< 1.8	< 0.9	< 0.9	< 3.6	< 1.8	< 1.8	< 1.8	< 0.9	< 0.9	< 1.8	< 3.6	< 1.8	< 1.8	< 1.8	< 5.1	< 5.1	< 15	< 7.5
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 600	< 300
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 190	< 95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 150	< 77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 680	500 J
Benzene	0.5	5	< 0.74	NA	< 0.74	< 0.74	< 0.37	< 0.37	< 1.5	< 0.74	< 0.74	< 0.74	< 0.37	< 0.37	< 0.74	< 1.5	< 0.74	< 0.74	< 0.74	< 2.9	< 2.9	< 18	< 8.9
Bromodichloromethane	0.06	0.6	< 1.7	NA	< 1.7	< 1.7	< 0.85	< 0.85	< 3.4	< 1.7	< 1.7	< 1.7	< 0.85	< 0.85	< 1.7	< 3.4	< 1.7	< 1.7	< 1.7	< 7.4	< 7.4	< 15	< 7.7
Bromoform	0.44	4.4	< 2.8	NA	< 2.8	< 2.8	< 1.4	< 1.4	< 5.6	< 2.8	< 2.8	< 2.8	< 1.4	< 1.4	< 2.8	< 5.6	< 2.8	< 2.8	< 2.8	< 9.7	< 9.7	< 18	< 8.8
Bromomethane	1	10	< 3.1	NA	< 3.1	< 3.1	< 1.6	< 1.6	< 6.2	< 3.1	< 3.1	< 3.1	< 1.6	< 1.6	< 3.1	< 6.2	< 3.1 *	< 3.1	< 3.1	< 16	< 16	< 120	< 59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 11	< 5.3
Carbon tetrachloride	0.5	5	< 2.6	NA	< 2.6	< 2.6	< 1.3	< 1.3	< 5.2	< 2.6	< 2.6	< 2.6	< 1.3	< 1.3	< 2.6	< 5.2	< 2.6	< 2.6	< 2.6	< 7.7	< 7.7	< 7.6	< 3.8
Chloroform	0.6	6	< 2	NA	< 2	< 2	< 1	< 1	< 4	< 2	< 2	< 2	< 1	< 1	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 7.4	< 7.4	< 12	< 6.2
Chloromethane	3	30	< 1.8	NA	< 1.8	< 1.8	< 0.9	< 0.9	< 3.6	< 1.8	< 1.8	< 1.8	< 0.9	< 0.9	< 1.8	< 3.6	< 1.8	< 1.8	< 1.8	< 6.4	< 6.4	< 32	< 16
cis-1,2-Dichloroethene	7	70	***1900***	NA	***1800***	***1800***	***2100***	***2300***	***2700***	***2400***	***1700***	***1800***	***1200***	***1200***	***2200***	***2400***	***1700***	***1600***	***2000***	***1900***	***1800***	***930***	***670***
Dichlorodifluoromethane	200	1000	< 2	NA	< 2	< 2	< 1	< 1	< 4	< 2	< 2	< 2	< 1	< 1	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 11	< 11	< 22	< 11
Ethylbenzene	140	700	< 1.3	NA	< 1.3	< 1.3	< 0.65	< 0.65	< 2.6	< 1.3	< 1.3	< 1.3	< 0.65	< 0.65	< 1.3	< 2.6	< 1.3	< 1.3	< 1.3	< 3.7	< 3.7	< 11	< 5.4
Isopropylbenzene	NE	NE	< 1.4	NA	< 1.4	< 1.4	< 0.7	< 0.7	< 2.8	< 1.4	< 1.4	< 1.4	< 0.7	< 0.7	< 1.4	< 2.8	< 1.4	< 1.4	< 1.4	< 7.7	< 7.7	< 16	< 8.1
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 11	6 BJ
Methyl tert-butyl ether	12	60	< 2.4	NA	< 2.4	< 2.4	< 1.2	< 1.2	< 4.8	< 2.4	< 2.4	< 2.4	< 1.2	< 1.2	< 2.4	< 4.8	< 2.4	< 2.4	< 2.4	< 7.9	< 7.9	< 28	< 14
Methylene chloride	0.5	5	< 6.8	NA	< 6.8	< 6.8	< 3.4	< 3.4	< 14	< 6.8	< 6.8	< 6.8	< 3.4	< 3.4	< 6.8	< 14	< 6.8	< 6.8	< 6.8	< 33	< 33	< 28	< 14
Naphthalene	10	100	< 1.6	NA	< 1.6	< 1.6	< 0.8	< 0.8	< 3.2	< 1.6	< 1.6	< 1.6	< 0.8	< 0.8	< 1.6	< 3.2	< 1.6	< 1.6	< 1.6	< 6.7	< 6.7	< 18	< 8.8
n-Butylbenzene	NE	NE	< 1.3	NA	< 1.3	< 1.3	< 0.65	< 0.65	< 2.6	< 1.3	< 1.3	< 1.3	< 0.65	< 0.65	< 1.3	< 2.6	< 1.3	< 1.3	< 1.3	< 7.8	< 7.8	< 28	< 14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 42	< 21
n-Propylbenzene	NE	NE	< 1.3	NA	< 1.3	< 1.3	< 0.65	< 0.65	< 2.6	< 1.3	< 1.3	< 1.3	< 0.65	< 0.65	< 1.3	< 2.6	< 1.3	< 1.3	< 1.3	< 8.3	< 8.3	< 20	< 10
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 12	< 5.8
p-Isopropyltoluene	NE	NE	< 1.7	NA	< 1.7	< 1.7	< 0.85	< 0.85	< 3.4	< 1.7	< 1.7	< 1.7	< 0.85	< 0.85	< 1.7	< 3.4	< 1.7	< 1.7	< 1.7	< 7.2	< 7.2	< 17	< 8.5
sec-Butylbenzene	NE	NE	< 1.5	NA	< 1.5	< 1.5	< 0.75	< 0.75	< 3	< 1.5	< 1.5	< 1.5	< 0.75	< 0.75	< 1.5	< 3.0	< 1.5	< 1.5	< 1.5	< 8.0	< 8.0	< 26	< 13
Styrene	10	100	< 1	NA	< 1	< 1	< 0.5	< 0.5	< 2	< 1	< 1	< 1	< 0.5	< 0.5	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 7.7	< 7.7	< 13	< 6.5
tert-Butylbenzene	NE	NE	< 1.4	NA	< 1.4	< 1.4	< 0.7	< 0.7	< 2.8	< 1.4	< 1.4	< 1.4	< 0.7	< 0.7	< 1.4	< 2.8	< 1.4	< 1.4	< 1.4	< 8.0	< 8.0	< 24	< 12
Tetrachloroethene	0.5	5	***5600***	NA	***6800***	***7400***	***7000***	***7100***	***7900***	***7000***	***6800***	***6300***	***5400***	***5200***	***7900***	***7800***	***8000***	***6700***	***11000***	***9700***	***9200***	***4800***	***3200***
Toluene	160	800	< 1.1	NA	< 1.1	< 1.1	< 0.55	< 0.55	< 2.2	< 1.1	< 1.1	< 1.1	< 0.55	< 0.55	< 1.1	< 2.2	< 1.1	< 1.1	< 1.1	< 3.0	< 3.0	< 11	< 5.3
trans-1,2-Dichloroethene	20	100	***29***	NA	***38***	***37***	***38***	***40***	***48***	***35***	***29***	***31***	19	19	***39***	***41***	***25***	***27***	***34***	< 7.0	< 7.0	< 22	12 J
Trichloroethene	0.5	5	***940***	NA	***1100***	***1000***	***1100***	***1000***	***1200***	***940***	***900***	***900***	***660***	***640***	***1100***	***1100***	***730***	***780***	***980***	***960***	***870***	***500***	***390***
Vinyl chloride	0.02	0.2	***64***	NA	***120***	***110***	***110***	***110***	***99***	***71***	***75***	***75***	***48***	***48***	***87***	***95***	***55***	***72***	***89***	***110***	***92***	***52 J***	***54***
Xylenes, Total	400	2000	< 0.68	NA	< 0.68	< 0.68	< 0.34	< 0.34	< 1.4	< 0.68	< 0.68	< 0.68	< 0.34	< 0.34	< 0.68	< 1.4	< 0.68	< 0.68	< 0.68	< 4.4	< 4.4	< 12	< 12
Total PCBs																							
Aroclor-1016	0.003	0.03	< 0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	< 0.083	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	< 0.099	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																							
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																							
Total Dissolved Solids	NE	NE	990	950	910	NA	980	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/04/2012	01/18/2013	02/21/2013	04/17/2013	07/22/2013	10/07/2013	04/16/2014	10/14/2014	04/14/2015	10/16/2015	10/10/2016	10/03/2017
VOCs														
1,1,1,2-Tetrachloroethane	7	70	< 1.3	< 0.5	< 0.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 4.6	< 2.2	< 2.8
1,1,1-Trichloroethane	40	200	< 1	< 0.4	< 0.4	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 3.8	< 2.0	< 2.5
1,1,2-Trichloroethane	0.5	5	< 1.4	< 0.56	< 0.56	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 3.5	< 2.0	< 2.5
1,1-Dichloroethene	0.7	7	< 1.6	< 0.62	< 0.62	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 3.9	< 2.8	< 3.5
1,2,4-Trimethylbenzene	96	480	< 0.7	< 0.28	< 0.28	< 0.7	< 0.7	< 0.7	< 0.70	< 0.70	< 0.70	< 3.6	< 1.2	< 1.5
1,2-Dibromoethane	0.005	0.05	< 1.8	< 0.72	< 0.72	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 3.9	< 2.6	< 3.3
1,2-Dichlorobenzene	60	600	< 1.4	< 0.54	< 0.54	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 3.3	< 1.5	< 1.9
1,2-Dichloropropane	0.5	5	< 1	< 0.4	< 0.4	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 4.3	< 2.0	< 2.5
1,2,3-Trichlorobenzene	NE	NE	< 1.2	< 0.48	< 0.48	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 4.6	< 0.90	< 1.1
1,2,4-Trichlorobenzene	14	70	< 1.6	< 0.62	< 0.62	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 3.4	< 1.5	< 1.9
1,3,5-Trimethylbenzene	96	480	< 0.9	< 0.36	< 0.36	< 0.9	< 0.9	< 0.9	< 0.90	< 0.90	< 0.90	< 2.5	< 1.5	< 1.9
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 60	< 75
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 19	< 24
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 15	< 19
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 68	< 85
Benzene	0.5	5	< 0.37	< 0.15	< 0.15	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 1.5	< 1.8	< 2.2
Bromodichloromethane	0.06	0.6	< 0.85	< 0.34	< 0.34	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 3.7	< 1.5	< 1.9
Bromoform	0.44	4.4	< 1.4	< 0.56	< 0.56	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 4.8	< 1.8	< 2.2
Bromomethane	1	10	< 1.6	< 0.62	< 0.62	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6 *	< 1.6	< 8.0	< 12	< 15
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	< 1.3
Carbon tetrachloride	0.5	5	< 1.3	< 0.52	< 0.52	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 3.8	< 0.76	< 0.95
Chloroform	0.6	6	< 1	< 0.4	< 0.4	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 3.7	< 1.2	< 1.6
Chloromethane	3	30	< 0.9	< 0.36	< 0.36	< 0.9	< 0.9	< 0.9	< 0.90	< 0.90	< 0.90	< 3.2	***9.8 BJ***	< 4
cis-1,2-Dichloroethene	7	70	***1100***	***690***	***520***	***720***	***660***	***600***	***770***	***730***	***980***	***1100***	***200***	***350***
Dichlorodifluoromethane	200	1000	< 1	< 0.4	< 0.4	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 5.4	< 2.2	< 2.8
Ethylbenzene	140	700	< 0.65	< 0.26	< 0.26	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 1.8	< 1.1	< 1.4
Isopropylbenzene	NE	NE	< 0.7	< 0.28	< 0.28	< 0.7	< 0.7	< 0.7	< 0.70	< 0.70	< 0.70	< 3.9	< 1.6	< 2
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	< 1.4
Methyl tert-butyl ether	12	60	< 1.2	< 0.48	< 0.48	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 3.9	< 2.8	< 3.5
Methylene chloride	0.5	5	< 3.4	< 1.4	< 1.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 16	< 2.8	< 3.5
Naphthalene	10	100	< 0.8	< 0.32	< 0.32	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.80	< 3.4	< 1.8	< 2.2
n-Butylbenzene	NE	NE	< 0.65	< 0.26	< 0.26	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 3.9	< 2.8	< 3.5
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.2	< 5.3
n-Propylbenzene	NE	NE	< 0.65	< 0.26	< 0.26	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 4.1	< 2.0	< 2.5
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.2	< 1.5
p-Isopropyltoluene	NE	NE	< 0.85	< 0.34	< 0.34	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 3.6	< 1.7	< 2.1
sec-Butylbenzene	NE	NE	< 0.75	< 0.3	< 0.3	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 4.0	< 2.6	< 3.3
Styrene	10	100	< 0.5	< 0.2	< 0.2	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 3.9	< 1.3	1.8 BJ
tert-Butylbenzene	NE	NE	< 0.7	< 0.28	< 0.28	< 0.7	< 0.7	< 0.7	< 0.70	< 0.70	< 0.70	< 4.0	< 2.4	< 3
Tetrachloroethene	0.5	5	***1800***	***1100***	***670***	***1400***	***1500***	***1900***	***1600***	***2000***	***2100***	***4600***	***870***	***970***
Toluene	160	800	< 0.55	< 0.22	< 0.22	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 1.5	< 1.1	< 1.3
trans-1,2-Dichloroethene	20	100	15	9.5	4.8	6.6	6.0	7.0	9.8	8.1	13	< 3.5	3.2 J	7.3 J
Trichloroethene	0.5	5	***440***	***330***	***270***	***500***	***450***	***490***	***580***	***530***	***680***	***930***	***230***	***230***
Vinyl chloride	0.02	0.2	***33***	***23***	***13***	***20***	***19***	***20***	***23***	***22***	***41***	***44***	< 3.2	< 4
Xylenes, Total	400	2000	< 0.34	< 0.14	< 0.14	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 2.2	< 1.2	< 2.9
Total PCBs														
Aroclor-1016	0.003	0.03	< 0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	< 0.083	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	< 0.099	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs														
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids														
Total Dissolved Solids	NE	NE	1100	970	960	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-13	MP-13[3]	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/04/2012	12/04/2012	01/18/2013	02/20/2013	04/17/2013	07/22/2013	10/07/2013	04/16/2014	10/14/2014	04/14/2015	10/16/2015	10/10/2016	10/03/2017
VOCs															
1,1,1,2-Tetrachloroethane	7	70	< 0.5	< 1.3	< 1.3	NA	< 5	< 2.5	1.1	< 5.0	< 2.5	< 2.5	< 9.2	< 11	< 5.5
1,1,1-Trichloroethane	40	200	< 0.4	< 1	< 1	NA	< 4	< 2	< 0.2	< 4.0	< 2.0	< 2.0	< 7.6	< 10	< 5
1,1,2-Trichloroethane	0.5	5	< 0.56	< 1.4	< 1.4	NA	< 5.6	< 2.8	< 0.28	< 5.6	< 2.8	< 2.8	< 7.0	< 10	< 5
1,1-Dichloroethene	0.7	7	< 0.62	< 1.6	< 1.6	NA	< 6.2	< 3.1	< 0.31	< 6.2	< 3.1	< 3.1	< 7.8	< 14	< 7
1,2,4-Trimethylbenzene	96	480	< 0.28	< 0.7	< 0.7	NA	< 2.8	< 1.4	< 0.14	< 2.8	< 1.4	< 1.4	< 7.2	< 6.0	< 3
1,2-Dibromoethane	0.005	0.05	< 0.72	< 1.8	< 1.8	NA	< 7.2	< 3.6	< 0.36	< 7.2	< 3.6	< 3.6	< 7.7	< 13	< 6.5
1,2-Dichlorobenzene	60	600	< 0.54	< 1.4	< 1.4	NA	< 5.4	< 2.7	< 0.27	< 5.4	< 2.7	< 2.7	< 6.7	< 7.6	< 3.8
1,2-Dichloropropane	0.5	5	< 0.4	< 1	< 1	NA	< 4	< 2	< 0.2	< 4.0	< 2.0	< 2.0	< 8.6	< 10	< 5
1,2,3-Trichlorobenzene	NE	NE	< 0.48	< 1.2	< 1.2	NA	< 4.8	< 2.4	< 0.24	< 4.8	< 2.4	< 2.4	< 9.2	< 4.5	< 2.3
1,2,4-Trichlorobenzene	14	70	< 0.62	< 1.6	< 1.6	NA	< 6.2	< 3.1	< 0.31	< 6.2	< 3.1	< 3.1	< 6.8	< 7.7	< 3.9
1,3,5-Trimethylbenzene	96	480	< 0.36	< 0.9	< 0.9	NA	< 3.6	< 1.8	< 0.18	< 3.6	< 1.8	< 1.8	< 5.1	< 7.5	< 3.8
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 300	< 150
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 95	< 48
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 77	< 39
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 340	280 BJ
Benzene	0.5	5	< 0.15	< 0.37	< 0.37	NA	< 1.5	< 0.74	0.29 J	< 1.5	< 0.74	< 0.74	< 2.9	< 8.9	< 4.5
Bromodichloromethane	0.06	0.6	< 0.34	< 0.85	< 0.85	NA	< 3.4	< 1.7	< 0.17	< 3.4	< 1.7	< 1.7	< 7.4	< 7.7	< 3.9
Bromoform	0.44	4.4	< 0.56	< 1.4	< 1.4	NA	< 5.6	< 2.8	< 0.28	< 5.6	< 2.8	< 2.8	< 9.7	< 8.8	< 4.4
Bromomethane	1	10	< 0.62	< 1.6	< 1.6	NA	< 6.2	< 3.1	< 0.31	< 6.2	< 3.1 *	< 3.1	< 16	< 59	< 30
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.3	< 2.7
Carbon tetrachloride	0.5	5	< 0.52	< 1.3	< 1.3	NA	< 5.2	< 2.6	< 0.26	< 5.2	< 2.6	< 2.6	< 7.7	< 3.8	< 1.9
Chloroform	0.6	6	< 0.4	< 1	< 1	NA	< 4	< 2	< 0.2	< 4.0	< 2.0	< 2.0	< 7.4	< 6.2	< 3.1
Chloromethane	3	30	< 0.36	< 0.9	< 0.9	NA	< 3.6	< 1.8	< 0.18	< 3.6	< 1.8	< 1.8	< 6.4	***49 BJ***	***9.5 J+***
cis-1,2-Dichloroethene	7	70	***910***	***970***	***1000***	NA	***930***	***760***	***650***	***720***	***630***	***690***	***820***	***200***	***240***
Dichlorodifluoromethane	200	1000	< 0.4	< 1	< 1	NA	< 4	< 2	< 0.2	< 4.0	< 2.0	< 2.0	< 11	< 11	< 5.5
Ethylbenzene	140	700	< 0.26	< 0.65	< 0.65	NA	< 2.6	< 1.3	< 0.13	< 2.6	< 1.3	< 1.3	< 3.7	< 5.4	< 2.7
Isopropylbenzene	NE	NE	< 0.28	< 0.7	< 0.7	NA	< 2.8	< 1.4	< 0.14	< 2.8	< 1.4	< 1.4	< 7.7	< 8.1	< 4.1
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.7	3 BJ
Methyl tert-butyl ether	12	60	< 0.48	< 1.2	< 1.2	NA	< 4.8	< 2.4	< 0.24	< 4.8	< 2.4	< 2.4	< 7.9	< 14	< 7
Methylene chloride	0.5	5	< 1.4	< 3.4	< 3.4	NA	< 14	< 6.8	< 0.68	< 14	< 6.8	< 6.8	< 33	< 14	< 7
Naphthalene	10	100	< 0.32	< 0.8	< 0.8	NA	< 3.2	< 1.6	< 0.16	< 3.2	< 1.6	< 1.6	< 6.7	< 8.8	< 4.4
n-Butylbenzene	NE	NE	< 0.26	< 0.65	< 0.65	NA	< 2.6	< 1.3	< 0.13	< 2.6	< 1.3	< 1.3	< 7.8	< 14	< 7
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 21	< 11
n-Propylbenzene	NE	NE	< 0.26	< 0.65	< 0.65	NA	< 2.6	< 1.3	< 0.13	< 2.6	< 1.3	< 1.3	< 8.3	< 10	< 5
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.8	< 2.9
p-Isopropyltoluene	NE	NE	< 0.34	< 0.85	< 0.85	NA	< 3.4	< 1.7	< 0.17	< 3.4	< 1.7	< 1.7	< 7.2	< 8.5	< 4.3
sec-Butylbenzene	NE	NE	< 0.3	< 0.75	< 0.75	NA	< 3	< 1.5	< 0.15	< 3.0	< 1.5	< 1.5	< 8.0	< 13	< 6.5
Styrene	10	100	< 0.2	< 0.5	< 0.5	NA	< 2	< 1	< 0.1	< 2.0	< 1.0	< 1.0	< 7.7	< 6.5	3.5 BJ
tert-Butylbenzene	NE	NE	< 0.28	< 0.7	< 0.7	NA	< 2.8	< 1.4	< 0.14	< 2.8	< 1.4	< 1.4	< 8.0	< 12	< 6
Tetrachloroethene	0.5	5	***1500***	***1500***	***2600***	NA	***7000***	***6300***	***6500***	***6700***	***4800***	***4300***	***12000***	***3100***	***3000***
Toluene	160	800	< 0.22	< 0.55	< 0.55	NA	< 2.2	< 1.1	< 0.11	< 2.2	< 1.1	< 1.1	< 3.0	9.0 J	< 2.7
trans-1,2-Dichloroethene	20	100	12	15	17	NA	12 J	12	9.7	10 J	6.7 J	< 2.5	< 7.0	< 11	6 J
Trichloroethene	0.5	5	***340***	***370***	***460***	NA	***600***	***510***	***550***	***710***	***520***	***640***	***1100***	***450***	***460***
Vinyl chloride	0.02	0.2	***36***	***37***	***54***	NA	***13***	***9.3***	***8.1***	***6.2 J***	< 1.0	***11***	< 4.1	< 16	< 8
Xylenes, Total	400	2000	< 0.14	< 0.34	< 0.34	NA	< 1.4	< 0.68	< 0.068	< 1.4	< 0.68	< 0.68	< 4.4	< 5.8	< 5.8
Total PCBs															
Aroclor-1016	0.003	0.03	< 0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	< 0.084	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	< 0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs															
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids															
Total Dissolved Solids	NE	NE	1100	NA	1000	920	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/04/2012	01/17/2013	02/20/2013	04/17/2013	07/22/2013	10/07/2013	04/16/2014	10/14/2014	04/14/2015	10/16/2015	10/10/2016	10/03/2017	12/04/2012	01/16/2013	02/20/2013	04/17/2013	07/22/2013	10/07/2013	04/16/2014	10/14/2014	04/14/2015	10/16/2015	10/10/2016	10/03/2017
VOCs																									
1,1,1,2-Tetrachloroethane	7	70	< 0.5	< 1.3	NA	< 2.5	< 2.5	< 1.3	< 2.5	< 2.5	< 2.5	< 4.6	< 11	< 5.5	< 1.3	< 0.25	NA	< 0.5	< 0.25	< 0.25	< 0.50	< 0.50	< 0.25	< 0.46	< 0.22	< 0.11
1,1,1-Trichloroethane	40	200	< 0.4	< 1	NA	< 2	< 2	< 1	< 2.0	< 2.0	< 2.0	< 3.8	< 10	< 5	< 1	< 0.2	NA	< 0.4	< 0.2	< 0.2	< 0.40	< 0.40	< 0.20	< 0.38	< 0.20	< 0.1
1,1,2-Trichloroethane	0.5	5	< 0.56	< 1.4	NA	< 2.8	< 2.8	< 1.4	< 2.8	< 2.8	< 2.8	< 3.5	< 10	< 5	< 1.4	< 0.28	NA	< 0.56	< 0.28	< 0.28	< 0.56	< 0.56	< 0.28	< 0.35	< 0.20	< 0.1
1,1-Dichloroethene	0.7	7	***1.5 J***	< 1.6	NA	< 3.1	< 3.1	< 1.6	< 3.1	< 3.1	< 3.1	< 3.9	< 14	< 7	< 1.6	***0.97 J***	NA	< 0.62	< 0.31	< 0.31	< 0.62	< 0.62	< 0.31	< 0.39	< 0.28	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.28	< 0.7	NA	< 1.4	< 1.4	< 0.7	< 1.4	< 1.4	< 1.4	< 3.6	< 6.0	< 3	< 0.7	< 0.14	NA	< 0.28	< 0.14	< 0.14	< 0.28	< 0.28	< 0.14	< 0.36	< 0.12	< 0.06
1,2-Dibromoethane	0.005	0.05	< 0.72	< 1.8	NA	< 3.6	< 3.6	< 1.8	< 3.6	< 3.6	< 3.6	< 3.9	< 13	< 6.5	< 1.8	< 0.36	NA	< 0.72	< 0.36	< 0.36	< 0.72	< 0.72	< 0.36	< 0.39	< 0.26	< 0.13
1,2-Dichlorobenzene	60	600	< 0.54	< 1.4	NA	< 2.7	< 2.7	< 1.4	< 2.7	< 2.7	< 2.7	< 3.3	< 7.6	< 3.8	< 1.4	< 0.27	NA	< 0.54	< 0.27	< 0.27	< 0.54	< 0.54	< 0.27	< 0.33	< 0.15	< 0.076
1,2-Dichloropropane	0.5	5	< 0.4	< 1	NA	< 2	< 2	< 1	< 2.0	< 2.0	< 2.0	< 4.3	< 10	< 5	< 1	< 0.2	NA	< 0.4	< 0.2	< 0.2	< 0.40	< 0.40	< 0.20	< 0.43	< 0.20	< 0.1
1,2,3-Trichlorobenzene	NE	NE	< 0.48	< 1.2	NA	< 2.4	< 2.4	< 1.2	< 2.4	< 2.4	< 2.4	< 4.6	< 4.5	< 2.3	< 1.2	< 0.24	NA	< 0.48	< 0.24	< 0.24	< 0.48	< 0.48	< 0.24	< 0.46	< 0.090	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.62	< 1.6	NA	< 3.1	< 3.1	< 1.6	< 3.1	< 3.1	< 3.1	< 3.4	< 7.7	< 3.9	< 1.6	< 0.31	NA	< 0.62	< 0.31	< 0.31	< 0.62	< 0.62	< 0.31	< 0.34	< 0.15	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.36	< 0.9	NA	< 1.8	< 1.8	< 0.9	< 1.8	< 1.8	< 1.8	< 2.5	< 7.5	< 3.8	< 0.9	< 0.18	NA	< 0.36	< 0.18	< 0.18	< 0.36	< 0.36	< 0.18	< 0.25	< 0.15	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 300	< 150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.0	< 3
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 95	< 48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.9	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 77	< 39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 340	260 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.8	5.2 BJ
Benzene	0.5	5	0.41 J	***1.1 J***	NA	< 0.74	< 0.74	< 0.37	< 0.74	< 0.74	< 0.74	< 1.5	< 8.9	< 4.5	< 0.37	< 0.074	NA	< 0.15	< 0.074	< 0.074	< 0.15	< 0.15	< 0.074	< 0.15	< 0.18	< 0.089
Bromodichloromethane	0.06	0.6	< 0.34	< 0.85	NA	< 1.7	< 1.7	< 0.85	< 1.7	< 1.7	< 1.7	< 3.7	< 7.7	< 3.9	< 0.85	< 0.17	NA	< 0.34	< 0.17	< 0.17	< 0.34	< 0.34	< 0.17	< 0.37	< 0.15	< 0.077
Bromoform	0.44	4.4	< 0.56	< 1.4	NA	< 2.8	< 2.8	< 1.4	< 2.8	< 2.8	< 2.8	< 4.8	< 8.8	< 4.4	< 1.4	< 0.28	NA	< 0.56	< 0.28	< 0.28	< 0.56	< 0.56	< 0.28	< 0.48	< 0.18	< 0.088
Bromomethane	1	10	< 0.62	< 1.6	NA	< 3.1	< 3.1	< 1.6	< 3.1	< 3.1 *	< 3.1	< 8.0	< 59	< 30	< 1.6	< 0.31	NA	< 0.62	< 0.31	< 0.31	< 0.62	< 0.62 *	< 0.31	< 0.80	< 1.2	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.3	< 2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	< 0.053
Carbon tetrachloride	0.5	5	< 0.52	< 1.3	NA	< 2.6	< 2.6	< 1.3	< 2.6	< 2.6	< 2.6	< 3.8	< 3.8	< 1.9	< 1.3	< 0.26	NA	< 0.52	< 0.26	< 0.26	< 0.52	< 0.52	< 0.26	< 0.38	< 0.076	< 0.038
Chloroform	0.6	6	< 0.4	< 1	NA	< 2	< 2	< 1	< 2.0	< 2.0	< 2.0	< 3.7	< 6.2	< 3.1	< 1	< 0.2	NA	< 0.4	< 0.2	< 0.2	< 0.40	< 0.40	< 0.20	< 0.37	< 0.12	< 0.062
Chloromethane	3	30	< 0.36	< 0.9	NA	< 1.8	< 1.8	< 0.9	< 1.8	< 1.8	< 1.8	< 3.2	***46 BJ***	***11 J+***	< 0.9	< 0.18	NA	< 0.36	< 0.18	< 0.18	< 0.36	< 0.36	< 0.18	< 0.32	0.76 BJ	0.46 J+
cis-1,2-Dichloroethene	7	70	***1100***	***910***	NA	***540***	***420***	***380***	***370***	***330***	***410***	***170***	***87***	***190***	***970***	***730***	NA	***460***	***200***	***170***	***180***	***160***	***150***	***33***	3.8	3.6
Dichlorodifluoromethane	200	1000	< 0.4	< 1	NA	< 2	< 2	< 1	< 2.0	< 2.0	< 2.0	< 5.4	< 11	< 5.5	< 1	< 0.2	NA	< 0.4	< 0.2	< 0.2	< 0.40	< 0.40	< 0.20	< 0.54	< 0.22	< 0.11
Ethylbenzene	140	700	< 0.26	< 0.65	NA	< 1.3	< 1.3	< 0.65	< 1.3	< 1.3	< 1.3	< 1.8	< 5.4	< 2.7	< 0.65	< 0.13	NA	< 0.26	< 0.13	< 0.13	< 0.26	< 0.26	< 0.13	< 0.18	< 0.11	< 0.054
Isopropylbenzene	NE	NE	< 0.28	< 0.7	NA	< 1.4	< 1.4	< 0.7	< 1.4	< 1.4	< 1.4	< 3.9	< 8.1	< 4.1	< 0.7	< 0.14	NA	< 0.28	< 0.14	< 0.14	< 0.28	< 0.28	< 0.14	< 0.39	< 0.16	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.7	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	< 0.057
Methyl tert-butyl ether	12	60	< 0.48	< 1.2	NA	< 2.4	< 2.4	< 1.2	< 2.4	< 2.4	< 2.4	< 3.9	< 14	< 7	< 1.2	< 0.24	NA	< 0.48	< 0.24	< 0.24	< 0.48	< 0.48	< 0.24	< 0.39	< 0.28	< 0.14
Methylene chloride	0.5	5	< 1.4	< 3.4	NA	< 6.8	< 6.8	< 3.4	< 6.8	< 6.8	< 6.8	< 16	< 14	< 7	< 3.4	< 0.68	NA	< 1.4	< 0.68	< 0.68	< 1.4	< 1.4	< 0.68	< 1.6	< 0.28	< 0.14
Naphthalene	10	100	< 0.32	< 0.8	NA	< 1.6	< 1.6	< 0.8	< 1.6	< 1.6	< 1.6	< 3.4	< 8.8	< 4.4	< 0.8	< 0.16	NA	< 0.32	< 0.16	< 0.16	< 0.32	< 0.32	< 0.16	< 0.34	< 0.18	< 0.088
n-Butylbenzene	NE	NE	< 0.26	< 0.65	NA	< 1.3	< 1.3	< 0.65	< 1.3	< 1.3	< 1.3	< 3.9	< 14	< 7	< 0.65	< 0.13	NA	< 0.26	< 0.13	< 0.13	< 0.26	< 0.26	< 0.13	< 0.39	< 0.28	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 21	< 11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.42	< 0.21
n-Propylbenzene	NE	NE	< 0.26	< 0.65	NA	< 1.3	< 1.3	< 0.65	< 1.3	< 1.3	< 1.3	< 4.1	< 10	< 5	< 0.65	< 0.13	NA	< 0.26	< 0.13	< 0.13	< 0.26	< 0.26	< 0.13	< 0.41	< 0.20	< 0.1
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.8	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.12	< 0.058
p-Isopropyltoluene	NE	NE	< 0.34	< 0.85	NA	< 1.7	< 1.7	< 0.85	< 1.7	< 1.7	< 1.7	< 3.6	< 8.5	< 4.3	< 0.85	< 0.17	NA	< 0.34	< 0.17	< 0.17	< 0.34	< 0.34	< 0.17	< 0.36	< 0.17	< 0.085
sec-Butylbenzene	NE	NE	< 0.3	< 0.75	NA	< 1.5	< 1.5	< 0.75	< 1.5	< 1.5	< 1.5	< 4.0	< 13	< 6.5	< 0.75	< 0.15	NA	< 0.3	< 0.15	< 0.15	< 0.30	< 0.30	< 0.15	< 0.40	< 0.26	< 0.13
Styrene	10	100	< 0.2	< 0.5	NA	< 1	< 1	< 0.5	< 1.0	< 1.0	< 1.0	< 3.9	< 6.5	3.5 BJ	< 0.5	< 0.1	NA	< 0.2	< 0.1	< 0.1	< 0.20	< 0.20	< 0.10	< 0.39	< 0.13	< 0.065
tert-Butylbenzene	NE	NE	< 0.28	< 0.7	NA	< 1.4	< 1.4	< 0.7	< 1.4	< 1.4	< 1.4	< 4.0	< 12	< 6	< 0.7	< 0.14	NA	< 0.28	< 0.14	< 0.14	< 0.28	< 0.28	< 0.14	< 0.40	< 0.24	< 0.12
Tetrachloroethene	0.5	5	***1900***	***2300***	NA	***3800***	***4200***	***6500***	***5200***	***6300***	***5700***	***5500***	***2000***	***4100***	***1400***	***930***	NA	***840***	***510***	***680***	***870***	***930***	***910***	***350***	***43***	***45***
Toluene	160	800	< 0.22	< 0.55	NA	< 1.1	< 1.1	< 0.55	< 1.1	< 1.1	< 1.1	< 1.5	8.0 J	< 2.7	< 0.55	< 0.11	NA	< 0.22	< 0.11	< 0.11	< 0.22	< 0.22	< 0.11	< 0.15	< 0.11	0.08 BJ
trans-1,2-Dichloroethene	20	100	17	15	NA	8.5 J	5.4 J	< 1.3	< 2.5	< 2.5	< 2.5	< 3.5	< 11	< 5.5	15	13	NA	7.5	3.3	2.6	3.3	1.9 J	1.9	< 0.35	< 0.22	< 0.11
Trichloroethene	0.5	5	***450***	***430***	NA	***310***	***260***	***310***	***320***	***270***	***370***	***210***	***100***	***250***	***370***	***250***	NA	***200***	***92***	***96***	***110***	***100***	***99***	***33***	***4.8***	***4.4***
Vinyl chloride	0.02	0.2	***50***	***42***	NA	***11***	***8.1***	***5.8***	***4.0 J***	***3.7 J***	***4.4 J***	< 2.0	< 16	< 8	***41***	***27***	NA	***6.8***	***0.74***	***0.72***	***0.56 J***	< 0.20	***1.1***	< 0.20	< 0.32	< 0.16
Xylenes, Total	400	2000	< 0.14	< 0.34	NA	< 0.68	< 0.68	< 0.34	< 0.68	< 0.68	< 0.68	< 2.2	< 5.8	< 5.8	< 0.34	< 0.068	NA	< 0.14	< 0.068	< 0.068	< 0.14	< 0.14	< 0.068	< 0.22	< 0.12	< 0.12
Total PCBs																									
Aroclor-1016	0.003	0.03	< 0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	< 0.083	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.083	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	< 0.099	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.098	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																									
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																									
Total Dissolved Solids	NE	NE	1100	960	890	NA	NA	NA	NA	NA	NA	NA	NA	NA	1100	850	890	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	70 - 75 ft	70 - 75 ft	70 - 75 ft	70 - 75 ft	70 - 75 ft	70 - 75 ft	70 - 75 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/21/2013	04/16/2013	07/16/2013	07/22/2013	10/08/2013	04/14/2014	10/17/2014	01/21/2013	04/16/2013	07/16/2013	07/22/2013	10/08/2013	04/14/2014	10/17/2014	04/13/2015	10/15/2015	10/11/2016	10/02/2017
VOCs																				
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.1
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.06
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	8.4 BJ
Benzene	0.5	5	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.80	< 0.59	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	1.3 J
cis-1,2-Dichloroethene	7	70	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.41	< 0.11	< 0.11
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.2	< 0.2	< 0.2	0.72 J	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24 *	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24 *	< 0.24	< 0.39	< 0.14	< 0.14
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.14	< 0.14
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.1
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	0.07 BJ
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12
Tetrachloroethene	0.5	5	***0.71 J***	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	***1.5***	< 0.17	< 0.17	< 0.17	***1.7***	< 0.17	***1***	< 0.17	< 0.37	***0.54***	0.45 J-
Toluene	160	800	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	0.10 J	< 0.053
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11
Trichloroethene	0.5	5	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.16	< 0.062	< 0.062
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.12
Total PCBs																				
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																				
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																				
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/21/2013	04/16/2013	07/16/2013	07/22/2013	10/08/2013	04/14/2014	10/17/2014	04/13/2015	10/15/2015	01/20/2016	04/19/2016	07/18/2016	10/11/2016	1/18/2017	04/10/2017	10/02/2017	04/02/2018
VOCs																			
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.5	< 0.25	< 0.5	< 0.25	< 0.25	< 0.25	< 0.46	< 1.1	< 2.2	< 0.11	< 1.1	< 1.1	< 0.11	< 1.1	< 0.11
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.4	< 0.2	< 0.4	< 0.20	< 0.20	< 0.20	< 0.38	< 1.0	< 2.0	< 0.10	< 1.0	< 1.0	< 0.10	< 1	< 0.10
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.56	< 0.28	< 0.56	< 0.28	< 0.28	< 0.28	< 0.35	< 1.0	< 2.0	< 0.10	< 1.0	< 1.0	< 0.10	< 1	< 0.10
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.62	< 0.31	< 0.62	< 0.31	< 0.31	< 0.31	< 0.39	< 1.4	< 2.8	< 0.14	< 1.4	< 1.4	< 0.14	< 1.4	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.28	< 0.14	< 0.28	< 0.14	< 0.14	< 0.14	< 0.36	< 0.60	< 1.2	< 0.060	< 0.60	< 0.60	< 0.060	< 0.6	< 0.060
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.72	< 0.36	< 0.72	< 0.36	< 0.36	< 0.36	< 0.39	< 1.3	< 2.6	< 0.13	< 1.3	< 1.3	< 0.13	< 1.3	< 0.13
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.54	< 0.27	< 0.54	< 0.27	< 0.27	< 0.27	< 0.33	< 0.76	< 1.5	< 0.076	< 0.76	< 0.76	< 0.076	< 0.76	< 0.076
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.4	< 0.2	< 0.4	< 0.20	< 0.20	< 0.20	< 0.43	< 1.0	< 2.0	< 0.10	< 1.0	< 1.0	< 0.10	< 1	< 0.10
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.48	< 0.24	< 0.48	< 0.24	< 0.24	< 0.24	< 0.46	< 0.45	3.4 BJ	< 0.045	< 0.45	< 0.45	< 0.045	< 0.45	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.62	< 0.31	< 0.62	< 0.31	< 0.31	< 0.31	< 0.34	< 0.77	2.4 J	< 0.077	< 0.77	< 0.77	< 0.077	< 0.77	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.36	< 0.18	< 0.36	< 0.18	< 0.18	< 0.18	< 0.25	< 0.75	< 1.5	< 0.075	< 0.75	< 0.75	< 0.075	< 0.75	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30	< 60	< 3.0	< 30	< 30	< 3.0	< 30	< 3.0
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 9.5	< 19	< 0.95	< 9.5	< 9.5	< 0.95	< 9.5	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 7.7	< 15	< 0.77	< 7.7	< 7.7	< 0.77	< 7.7	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 34	< 68	< 3.4	< 34	< 34	< 3.4	< 34	< 3.4
Benzene	0.5	5	< 0.074	< 0.074	< 0.15	< 0.074	< 0.15	< 0.074	< 0.074	< 0.074	< 0.15	< 0.89	< 1.8	< 0.089	< 0.89	< 0.89	< 0.089	< 0.89	< 0.089
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.34	< 0.17	< 0.34	< 0.17	< 0.17	< 0.17	< 0.37	< 0.77	< 1.5	< 0.077	< 0.77	***0.80 BJ***	< 0.077	< 0.77	< 0.077
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.56	< 0.28	< 0.56	< 0.28	< 0.28	< 0.28	< 0.48	< 0.88	< 1.8	< 0.088	< 0.88	< 0.88	< 0.088	< 0.88	< 0.088
Bromomethane	1	10	< 0.31	< 0.31	< 0.62	< 0.31	< 0.62	< 0.31	< 0.31 *	< 0.31	< 0.80	< 5.9	< 12	< 0.59	< 5.9	< 5.9	< 0.59	< 5.9	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.53	< 1.1	< 0.053	3.3 J	< 0.53	< 0.053	< 0.53	0.080 J
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.52	< 0.26	< 0.52	< 0.26	< 0.26	< 0.26	< 0.38	< 0.38	< 0.76	< 0.038	< 0.38	< 0.38	< 0.038	< 0.38	< 0.038
Chloroform	0.6	6	< 0.2	< 0.2	< 0.4	< 0.2	< 0.4	< 0.20	< 0.20	< 0.20	< 0.37	< 0.62	< 1.2	< 0.062	< 0.62	< 0.62	< 0.062	< 0.62	0.10 J+
Chloromethane	3	30	< 0.18	< 0.18	< 0.36	< 0.18	< 0.36	< 0.18	< 0.18	< 0.18	< 0.32	< 1.6	< 3.2	0.16 J	***12 BJ***	< 1.6	< 0.16	***3.4 J+***	< 0.16
cis-1,2-Dichloroethene	7	70	< 0.12	***17***	***27***	***29***	***27***	***12***	***8.1***	4.3	***13***	***12***	***16***	***13***	***13***	***12 B***	***12***	***11***	***17***
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.4	< 0.2	< 0.4	< 0.20	< 0.20	< 0.20	< 0.54	< 1.1	< 2.2	0.11 J	< 1.1	< 1.1	< 0.11	< 1.1	0.21 J+
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.26	< 0.13	< 0.26	< 0.13	< 0.13	< 0.13	< 0.18	< 0.54	< 1.1	< 0.054	< 0.54	< 0.54	< 0.054	< 0.54	< 0.054
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.28	< 0.14	< 0.28	< 0.14	< 0.14	< 0.14	< 0.39	< 0.81	< 1.6	< 0.081	< 0.81	< 0.81	< 0.081	< 0.81	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.57	< 1.1	< 0.057	< 0.57	< 0.57	< 0.057	< 0.57	< 0.057
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.48	< 0.24	< 0.48	< 0.24	< 0.24 *	< 0.24	< 0.39	< 1.4	< 2.8	< 0.14	< 1.4	< 1.4	< 0.14	< 1.4	< 0.14
Methylene chloride	0.5	5	< 0.68	< 0.68	< 1.4	< 0.68	< 1.4	< 0.68	< 0.68	< 0.68	< 1.6	< 1.4	< 2.8	< 0.14	< 1.4	< 1.4	< 0.14	< 1.4	< 0.14
Naphthalene	10	100	< 0.16	< 0.16	< 0.32	< 0.16	< 0.32	< 0.16	< 0.16	< 0.16	< 0.34	< 0.88	6.8 BJ	< 0.088	< 0.88	< 0.88	< 0.088	< 0.88	< 0.088
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.26	< 0.13	< 0.26	< 0.13	< 0.13	< 0.13	< 0.39	< 1.4	< 2.8	< 0.14	< 1.4	< 1.4	< 0.14	< 1.4	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.1	< 4.2	< 0.21	< 2.1	< 2.1	< 0.21	< 2.1	< 0.21
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.26	< 0.13	< 0.26	< 0.13	< 0.13	< 0.13	< 0.41	< 1.0	< 2.0	< 0.10	< 1.0	< 1.0	< 0.10	< 1	< 0.10
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.58	< 1.2	< 0.058	< 0.58	< 0.58	< 0.058	< 0.58	< 0.058
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.34	< 0.17	< 0.34	< 0.17	< 0.17	< 0.17	< 0.36	< 0.85	< 1.7	< 0.085	< 0.85	< 0.85	< 0.085	< 0.85	< 0.085
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.3	< 0.15	< 0.3	< 0.15	< 0.15	< 0.15	< 0.40	< 1.3	< 2.6	< 0.13	< 1.3	< 1.3	< 0.13	< 1.3	< 0.13
Styrene	10	100	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 0.10	< 0.10	< 0.10	< 0.39	< 0.65	< 1.3	< 0.065	< 0.65	< 0.65	< 0.065	< 0.65	< 0.065
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.28	< 0.14	< 0.28	< 0.14	< 0.14	< 0.14	< 0.40	< 1.2	< 2.4	< 0.12	< 1.2	< 1.2	< 0.12	< 1.2	< 0.12
Tetrachloroethene	0.5	5	***1.7***	***430***	***820***	***920***	***970***	***350***	***190***	***110***	***320***	***290***	***310***	***230***	***250***	***230***	***270***	***250***	***370***
Toluene	160	800	< 0.11	< 0.11	< 0.22	< 0.11	< 0.22	< 0.11	< 0.11	< 0.11	< 0.15	< 0.53	< 1.1	< 0.053	1.4 J	1.5 BJ	< 0.053	< 0.53	< 0.053
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.5	< 0.25	< 0.5	< 0.25	< 0.25	< 0.25	< 0.35	< 1.1	< 2.2	0.24 J	< 1.1	< 1.1	0.18 J	< 1.1	0.39 J+
Trichloroethene	0.5	5	0.24 J	***31***	***53***	***51***	***53***	***23***	***16***	***7.9***	***25***	***24***	***28***	***24***	***25***	***21***	***25***	***20***	***31***
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.2	< 0.1	***0.53 J***	< 0.10	< 0.10	< 0.10	< 0.20	< 1.6	< 3.2	< 0.16	< 1.6	< 1.6	< 0.16	< 1.6	< 0.16
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.14	< 0.068	< 0.14	< 0.068	< 0.068	< 0.068	< 0.22	< 0.58	< 1.2	< 0.058	< 0.58	< 1.2	< 0.12	< 1.2	< 0.12
Total PCBs																			
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																			
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																			
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	170 - 178 ft	170 - 178 ft	170 - 178 ft	170 - 178 ft	170 - 178 ft	170 - 178 ft	170 - 178 ft	170 - 178 ft	170 - 178 ft	170 - 178 ft	170 - 178 ft	88 - 92 ft	88 - 92 ft	88 - 92 ft	88 - 92 ft	88 - 92 ft	88 - 92 ft	88 - 92 ft	88 - 92 ft	88 - 92 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/21/2013	04/16/2013	07/16/2013	07/22/2013	10/08/2013	04/14/2014	10/17/2014	04/13/2015	10/15/2015	10/11/2016	10/02/2017	01/22/2013	04/15/2013	07/22/2013	10/08/2013	04/15/2014	10/16/2014	04/14/2015	10/15/2015	10/10/2016	10/03/2017
VOCs																						
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.5	< 0.25	< 0.5	< 0.50	< 0.50	< 0.25	< 0.46	< 0.22	< 2.2	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 1.1	< 0.55
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.4	< 0.2	< 0.4	< 0.40	< 0.40	< 0.20	< 0.38	< 0.20	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 1.0	< 0.5
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.56	< 0.28	< 0.56	< 0.56	< 0.56	< 0.28	< 0.35	< 0.20	< 2	< 0.28	***2.2***	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 1.0	< 0.5
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.62	< 0.31	< 0.62	< 0.62	< 0.62	< 0.31	< 0.39	< 0.28	< 2.8	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 1.4	< 0.7
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.28	< 0.14	< 0.28	< 0.28	< 0.28	< 0.14	< 0.36	< 0.12	< 1.2	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.60	< 0.3
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.72	< 0.36	< 0.72	< 0.72	< 0.72	< 0.36	< 0.39	< 0.26	< 2.6	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 1.3	< 0.65
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.54	< 0.27	< 0.54	< 0.54	< 0.54	< 0.27	< 0.33	< 0.15	< 1.5	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.76	< 0.38
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.4	< 0.2	< 0.4	< 0.40	< 0.40	< 0.20	< 0.43	< 0.20	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 1.0	< 0.5
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.48	< 0.24	< 0.48	< 0.48	< 0.48	< 0.24	< 0.46	< 0.090	< 0.9	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.45	< 0.23
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.62	< 0.31	< 0.62	< 0.62	< 0.62	< 0.31	< 0.34	< 0.15	< 1.5	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.77	< 0.39
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.36	< 0.18	< 0.36	< 0.36	< 0.36	< 0.18	< 0.25	< 0.15	< 1.5	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.75	< 0.38
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.0	< 60	NA	NA	NA	NA	NA	NA	NA	NA	< 30	< 15
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.9	< 19	NA	NA	NA	NA	NA	NA	NA	NA	< 9.5	< 4.8
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 15	NA	NA	NA	NA	NA	NA	NA	NA	< 7.7	< 3.9
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.8	< 68	NA	NA	NA	NA	NA	NA	NA	NA	< 34	26 BJ
Benzene	0.5	5	< 0.074	< 0.074	< 0.15	< 0.074	< 0.15	< 0.15	< 0.15	< 0.074	< 0.15	< 0.18	< 1.8	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.89	< 0.45
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.34	< 0.17	< 0.34	< 0.34	< 0.34	< 0.17	< 0.37	< 0.15	< 1.5	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.77	< 0.39
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.56	< 0.28	< 0.56	< 0.56	< 0.56	< 0.28	< 0.48	< 0.18	< 1.8	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.88	< 0.44
Bromomethane	1	10	< 0.31	< 0.31	< 0.62	< 0.31	< 0.62	< 0.62	< 0.62 *	< 0.31	< 0.80	< 1.2	< 12	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 5.9	< 3
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	3.1 J	< 0.27
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.52	< 0.26	< 0.52	< 0.52	< 0.52	< 0.26	< 0.38	< 0.076	< 0.76	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.38	< 0.19
Chloroform	0.6	6	< 0.2	< 0.2	< 0.4	< 0.2	< 0.4	< 0.40	< 0.40	< 0.20	< 0.37	< 0.12	***1.2 J***	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.62	< 0.31
Chloromethane	3	30	< 0.18	< 0.18	< 0.36	< 0.18	< 0.36	< 0.36	< 0.36	< 0.18	< 0.32	0.92 BJ	***5.2 J+***	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	***11 BJ***	1.3 J+
cis-1,2-Dichloroethene	7	70	< 0.12	< 0.12	***22***	***21***	***22***	***19***	***24***	***22***	***30***	***30***	***32***	***7.5***	***23***	***14***	***20***	***23***	***12***	***17***	***15***	***25***	***17***
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.4	< 0.2	< 0.4	< 0.40	< 0.40	< 0.20	< 0.54	< 0.22	< 2.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 1.1	< 0.55
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.26	< 0.13	< 0.26	< 0.26	< 0.26	< 0.13	< 0.18	< 0.11	< 1.1	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.54	< 0.27
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.28	< 0.14	< 0.28	< 0.28	< 0.28	< 0.14	< 0.39	< 0.16	< 1.6	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.81	< 0.41
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	1.2 BJ	NA	NA	NA	NA	NA	NA	NA	NA	< 0.57	0.3 BJ
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.48	< 0.24	< 0.48	< 0.48	< 0.48 *	< 0.24	< 0.39	< 0.28	< 2.8	2.3	0.84 J	< 0.24	3.3	3.5	< 0.24	< 0.24	2.5	4.0 J	< 0.7
Methylene chloride	0.5	5	< 0.68	< 0.68	< 1.4	< 0.68	< 1.4	< 1.4	< 1.4	< 0.68	< 1.6	< 0.28	< 2.8	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 1.4	< 0.7
Naphthalene	10	100	< 0.16	< 0.16	< 0.32	< 0.16	< 0.32	< 0.32	< 0.32	< 0.16	< 0.34	< 0.18	< 1.8	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.88	< 0.44
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.26	< 0.13	< 0.26	< 0.26	< 0.26	< 0.13	< 0.39	< 0.28	< 2.8	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 1.4	< 0.7
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.42	< 4.2	NA	NA	NA	NA	NA	NA	NA	NA	4.0 J	< 1.1
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.26	< 0.13	< 0.26	< 0.26	< 0.26	< 0.13	< 0.41	< 0.20	< 2	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 1.0	< 0.5
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.12	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.58	< 0.29
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.34	< 0.17	< 0.34	< 0.34	< 0.34	< 0.17	< 0.36	< 0.17	< 1.7	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.85	< 0.43
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.3	< 0.15	< 0.3	< 0.30	< 0.30	< 0.15	< 0.40	< 0.26	< 2.6	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 1.3	< 0.65
Styrene	10	100	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 0.20	< 0.20	< 0.10	< 0.39	< 0.13	1.6 BJ	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.65	0.35 BJ
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.28	< 0.14	< 0.28	< 0.28	< 0.28	< 0.14	< 0.40	< 0.24	< 2.4	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 1.2	< 0.6
Tetrachloroethene	0.5	5	***1.2***	***9.2***	***520***	***520***	***640***	***630***	***890***	***640 E***	***690***	***730***	***840***	***130***	***160***	***130***	***220***	***300***	***100***	***160***	***150***	***160***	***160***
Toluene	160	800	< 0.11	< 0.11	< 0.22	< 0.11	< 0.22	< 0.22	< 0.22	< 0.11	< 0.15	< 0.11	< 1.1	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	1.5 J	< 0.27
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.5	< 0.25	< 0.5	< 0.50	< 0.50	< 0.25	< 0.35	0.40 J	< 2.2	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 1.1	< 0.55
Trichloroethene	0.5	5	< 0.19	***0.78***	***42***	***37***	***37***	***33***	***46***	***40***	***57***	***58***	***60***	***11***	***15***	***12***	***19***	***24***	***12***	***16***	***14***	***19***	***14***
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 0.20	< 0.20	< 0.10	< 0.20	< 0.32	< 3.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 1.6	< 0.8
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.14	< 0.068	< 0.14	< 0.14	< 0.14	< 0.068	< 0.22	< 0.12	< 2.3	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.58	< 0.58
Total PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																						
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	120 - 125 ft	120 - 125 ft	120 - 125 ft	120 - 125 ft	120 - 125 ft	120 - 125 ft	120 - 125 ft	120 - 125 ft	120 - 125 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/22/2013	04/15/2013	07/22/2013	10/08/2013	04/15/2014	10/16/2014	04/14/2015	10/15/2015	10/10/2016	10/03/2017	01/22/2013	04/15/2013	07/22/2013	10/08/2013	04/15/2014	10/16/2014	04/14/2015	10/15/2015	10/10/2016	10/03/2017
VOCs																					
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.5	< 0.50	< 0.50	< 0.25	< 0.46	< 2.2	< 2.2	< 0.5	< 0.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 0.92	< 11	< 5.5
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.4	< 0.40	< 0.40	< 0.20	< 0.38	< 2.0	< 2	< 0.4	< 0.4	< 1	< 1	< 1.0	< 1.0	< 1.0	< 0.76	< 10	< 5
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.56	< 0.56	< 0.56	< 0.28	< 0.35	< 2.0	< 2	< 0.56	< 0.56	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.70	< 10	< 5
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.62	< 0.62	< 0.62	< 0.31	< 0.39	< 2.8	< 2.8	< 0.62	< 0.62	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 0.78	< 14	< 7
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.28	< 0.28	< 0.28	< 0.14	< 0.36	< 1.2	< 1.2	< 0.28	< 0.28	< 0.7	< 0.7	< 0.70	< 0.70	< 0.70	< 0.72	< 6.0	< 3
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.72	< 0.72	< 0.72	< 0.36	< 0.39	< 2.6	< 2.6	< 0.72	< 0.72	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 0.77	< 13	< 6.5
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.54	< 0.54	< 0.54	< 0.27	< 0.33	< 1.5	< 1.5	< 0.54	< 0.54	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.67	< 7.6	< 3.8
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.4	< 0.40	< 0.40	< 0.20	< 0.43	< 2.0	< 2	< 0.4	< 0.4	< 1	< 1	< 1.0	< 1.0	< 1.0	< 0.86	< 10	< 5
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.48	< 0.48	< 0.48	< 0.24	< 0.46	< 0.90	< 0.9	< 0.48	< 0.48	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.92	< 4.5	< 2.3
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.62	< 0.62	< 0.62	< 0.31	< 0.34	< 1.5	< 1.5	< 0.62	< 0.62	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 0.68	< 7.7	< 3.9
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.36	< 0.36	< 0.36	< 0.18	< 0.25	< 1.5	< 1.5	< 0.36	< 0.36	< 0.9	< 0.9	< 0.90	< 0.90	< 0.90	< 0.51	< 7.5	< 3.8
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	< 60	< 60	NA	NA	NA	NA	NA	NA	NA	NA	< 300	< 150
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	< 19	< 19	NA	NA	NA	NA	NA	NA	NA	NA	< 95	< 48
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	< 15	< 15	NA	NA	NA	NA	NA	NA	NA	NA	< 77	< 39
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	< 68	< 68	NA	NA	NA	NA	NA	NA	NA	NA	< 340	< 170
Benzene	0.5	5	< 0.074	< 0.074	< 0.074	< 0.15	< 0.15	< 0.15	< 0.074	< 0.15	< 1.8	< 1.8	< 0.15	< 0.15	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.29	< 8.9	< 4.5
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.34	< 0.34	< 0.34	< 0.17	< 0.37	< 1.5	< 1.5	< 0.34	< 0.34	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.74	< 7.7	< 3.9
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.56	< 0.56	< 0.56	< 0.28	< 0.48	< 1.8	< 1.8	< 0.56	< 0.56	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.97	< 8.8	< 4.4
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.62	< 0.62	< 0.62	< 0.31	< 0.80	< 12	< 12	< 0.62	< 0.62	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 59	< 30
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	5.6 J	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	29 J	< 2.7
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.52	< 0.52	< 0.52	< 0.26	< 0.38	< 0.76	< 0.76	< 0.52	< 0.52	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 0.77	< 3.8	< 1.9
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.4	< 0.40	< 0.40	< 0.20	< 0.37	< 1.2	< 1.2	< 0.4	< 0.4	< 1	< 1	< 1.0	< 1.0	< 1.0	< 0.74	< 6.2	< 3.1
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.36	< 0.36	< 0.36	< 0.18	< 0.32	***21 BJ***	< 3.2	< 0.36	< 0.36	< 0.9	< 0.9	< 0.90	< 0.90	< 0.90	< 0.64	***96 BJ***	< 8
cis-1,2-Dichloroethene	7	70	***9.3***	***37***	***68***	***76***	***96***	***83***	***66***	***77***	***61***	***79***	***200***	***230***	***250***	***220***	***230***	***260***	***200***	***230***	***220***	***140***
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2	< 0.4	< 0.40	< 0.40	< 0.20	< 0.54	< 2.2	< 2.2	< 0.4	< 0.4	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.1	< 11	< 5.5
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.13	< 0.26	< 0.26	< 0.26	< 0.13	< 0.18	< 1.1	< 1.1	< 0.26	< 0.26	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.37	< 5.4	< 2.7
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.28	< 0.28	< 0.28	< 0.14	< 0.39	< 1.6	< 1.6	< 0.28	< 0.28	< 0.7	< 0.7	< 0.70	< 0.70	< 0.70	< 0.77	< 8.1	< 4.1
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	< 5.7	< 2.9
Methyl tert-butyl ether	12	60	2.2	1.3	< 0.24	< 0.48	< 0.48	< 0.48	< 0.24	< 0.39	< 2.8	< 2.8	< 0.48	< 0.48	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.79	< 14	< 7
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 1.4	< 1.4	< 1.4	< 0.68	< 1.6	< 2.8	< 2.8	< 1.4	< 1.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.3	< 14	< 7
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.32	< 0.32	< 0.32	< 0.16	< 0.34	< 1.8	< 1.8	< 0.32	< 0.32	< 0.8	< 0.8	< 0.80	< 0.80	< 0.80	< 0.67	< 8.8	< 4.4
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.26	< 0.26	< 0.26	< 0.13	< 0.39	< 2.8	< 2.8	< 0.26	< 0.26	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.78	< 14	< 7
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	6.2 J	< 4.2	NA	NA	NA	NA	NA	NA	NA	NA	< 21	< 11
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.26	< 0.26	< 0.26	< 0.13	< 0.41	< 2.0	< 2	< 0.26	< 0.26	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.83	< 10	< 5
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 1.2	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	< 5.8	< 2.9
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.34	< 0.34	< 0.34	< 0.17	< 0.36	< 1.7	< 1.7	< 0.34	< 0.34	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.72	< 8.5	< 4.3
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.3	< 0.30	< 0.30	< 0.15	< 0.40	< 2.6	< 2.6	< 0.3	< 0.3	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.80	< 13	< 6.5
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.2	< 0.20	< 0.20	< 0.10	< 0.39	< 1.3	1.6 BJ	< 0.2	< 0.2	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.77	< 6.5	4 BJ
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.28	< 0.28	< 0.28	< 0.14	< 0.40	< 2.4	< 2.4	< 0.28	< 0.28	< 0.7	< 0.7	< 0.70	< 0.70	< 0.70	< 0.80	< 12	< 6
Tetrachloroethene	0.5	5	***230***	***440***	***660***	***690***	***890***	***930***	***790***	***850***	***910***	***820***	***1100***	***1900***	***2100***	***1800***	***2000***	***2300***	***1700***	***2200***	***2900***	***2300***
Toluene	160	800	< 0.11	< 0.11	< 0.11	< 0.22	< 0.22	< 0.22	< 0.11	< 0.15	2.8 J	< 1.1	< 0.22	< 0.22	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.30	12 J	< 2.7
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	0.51 J	< 0.5	1.2 J	< 0.50	< 0.25	0.54 J	< 2.2	< 2.2	1.3 J	1.7 J	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	1.6 J	< 11	< 5.5
Trichloroethene	0.5	5	***16***	***41***	***65***	***72***	***92***	***93***	***74***	***83***	***81***	***85***	***160***	***210***	***220***	***190***	***210***	***280***	***190***	***220***	***250***	***190***
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.1	< 0.2	< 0.20	***0.46 J***	< 0.10	< 0.20	< 3.2	< 3.2	< 0.2	***1***	***1.9 J***	< 0.5	< 0.50	***1.6 J***	< 0.50	< 0.41	< 16	< 8
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.068	< 0.14	< 0.14	< 0.14	< 0.068	< 0.22	< 1.2	< 2.3	< 0.14	< 0.14	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.44	< 5.8	< 5.8
Total PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																						
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	142 - 146 ft	142 - 146 ft	142 - 146 ft	142 - 146 ft	142 - 146 ft	142 - 146 ft	142 - 146 ft	142 - 146 ft	142 - 146 ft	142 - 146 ft	177 - 187 ft	177 - 187 ft	177 - 187 ft	177 - 187 ft	177 - 187 ft	177 - 187 ft	177 - 187 ft	177 - 187 ft	177 - 187 ft	177 - 187 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/22/2013	04/15/2013	07/22/2013	10/08/2013	04/15/2014	10/16/2014	04/14/2015	10/15/2015	10/10/2016	10/03/2017	01/22/2013	04/15/2013	07/22/2013	10/08/2013	04/15/2014	10/16/2014	04/14/2015	10/15/2015	10/10/2016	10/03/2017
VOCs																						
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.5	< 0.50	< 0.50	< 0.50	< 0.92	< 4.4	< 5.5	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.4	< 0.40	< 0.40	< 0.40	< 0.76	< 4.0	< 5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.56	< 0.56	< 0.56	< 0.56	< 0.70	< 4.0	< 5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.1
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.62	< 0.62	< 0.62	< 0.62	< 0.78	< 5.6	< 7	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.28	< 0.28	< 0.28	< 0.28	< 0.72	< 2.4	< 3	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.06
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.72	< 0.72	< 0.72	< 0.72	< 0.77	< 5.2	< 6.5	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.54	< 0.54	< 0.54	< 0.54	< 0.67	< 3.0	< 3.8	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.4	< 0.40	< 0.40	< 0.40	< 0.86	< 4.0	< 5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.48	< 0.48	< 0.48	< 0.48	< 0.92	< 1.8	< 2.3	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.62	< 0.62	< 0.62	< 0.62	< 0.68	< 3.1	< 3.9	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.36	< 0.36	< 0.36	< 0.36	< 0.51	< 3.0	< 3.8	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	< 120	< 150	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	< 38	< 48	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	< 31	< 39	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	< 140	230 J	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4
Benzene	0.5	5	< 0.074	< 0.074	< 0.074	< 0.15	< 0.15	0.37 J	< 0.15	< 0.29	< 3.6	< 4.5	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	0.23 J	< 0.074	< 0.15	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.34	< 0.34	< 0.34	< 0.34	< 0.74	< 3.1	< 3.9	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.56	< 0.56	< 0.56	< 0.56	< 0.97	< 3.5	< 4.4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.62	< 0.62	< 0.62	< 0.62	< 1.6	< 24	< 30	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	10 J	< 2.7	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.52	< 0.52	< 0.52	< 0.52	< 0.77	< 1.5	< 1.9	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.4	< 0.40	< 0.40	< 0.40	< 0.74	< 2.5	< 3.1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.36	< 0.36	< 0.36	< 0.36	< 0.64	***35 BJ***	***9.5 J+***	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	0.37 J+
cis-1,2-Dichloroethene	7	70	***9.7***	***75***	***110***	***140***	***140***	***150***	***140***	***190***	***180***	***180***	***9.5***	6.7	6.0	***16***	***17***	***31***	***33***	5.2	0.60	0.48 J
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2	< 0.4	< 0.40	< 0.40	< 0.40	< 1.1	< 4.4	< 5.5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.13	< 0.26	< 0.26	< 0.26	< 0.26	< 0.37	< 2.2	< 2.7	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.28	< 0.28	< 0.28	< 0.28	< 0.77	< 3.2	< 4.1	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 2.3	3 BJ	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057
Methyl tert-butyl ether	12	60	2.0	< 0.24	< 0.24	< 0.48	< 0.48	< 0.48	< 0.48	< 0.79	< 5.6	< 7	2.5	1.6	0.86 J	0.90 J	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 1.4	< 1.4	< 1.4	< 1.4	< 3.3	< 5.6	< 7	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.14	< 0.14
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.32	< 0.32	< 0.32	< 0.32	< 0.67	< 3.5	< 4.4	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.26	< 0.26	< 0.26	< 0.26	< 0.78	< 5.6	< 7	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	15 J	< 11	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.26	< 0.26	< 0.26	< 0.26	< 0.83	< 4.0	< 5	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.1
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 2.3	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.34	< 0.34	< 0.34	< 0.34	< 0.72	< 3.4	< 4.3	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.3	< 0.30	< 0.30	< 0.30	< 0.80	< 5.2	< 6.5	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.2	< 0.20	< 0.20	< 0.20	< 0.77	< 2.6	3.5 BJ	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	0.07 BJ
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.28	< 0.28	< 0.28	< 0.28	< 0.80	< 4.8	< 6	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12
Tetrachloroethene	0.5	5	***170***	***580***	***640***	***840***	***970***	***1000***	***970***	***1100***	***1300***	***1800***	***240***	***140***	***110***	***100***	***73***	***86***	***130***	***38***	***10***	***8.9***
Toluene	160	800	< 0.11	< 0.11	< 0.11	< 0.22	< 0.22	< 0.22	< 0.22	< 0.30	4.8 J	3 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	0.11 J	< 0.053	
trans-1,2-Dichloroethene	20	100	< 0.25	0.86 J	0.97 J	1.4 J	1.5 J	1.3 J	< 0.50	1.4 J	< 4.4	< 5.5	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11
Trichloroethene	0.5	5	***14***	***78***	***100***	***130***	***130***	***140***	***130***	***170***	***170***	***180***	***17***	***12***	***7.7***	***12***	***12***	***21***	***26***	***5.8***	***1.4***	***0.95***
Vinyl chloride	0.02	0.2	< 0.1	***0.39 J***	***0.58***	***0.76 J***	< 0.20	***0.72 J***	< 0.20	< 0.41	< 6.4	< 8	< 0.1	< 0.1	< 0.1	***0.34 J***	< 0.10	***0.39 J***	< 0.10	< 0.20	< 0.16	< 0.16
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.068	< 0.14	< 0.14	< 0.14	< 0.14	< 0.44	< 2.3	< 5.8	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.12
Total PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																						
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	80 - 84 ft	80 - 84 ft	80 - 84 ft	80 - 84 ft	80 - 84 ft	80 - 84 ft	106 - 116 ft	106 - 116 ft	106 - 116 ft	106 - 116 ft	106 - 116 ft	106 - 116 ft	106 - 116 ft	106 - 116 ft	106 - 116 ft	106 - 116 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/22/2013	04/16/2013	07/23/2013	10/09/2013	04/15/2014	10/16/2014	01/22/2013	04/16/2013	07/23/2013	10/09/2013	04/15/2014	10/16/2014	04/13/2015	10/15/2015	10/11/2016	10/02/2017
VOCs																		
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.22	< 0.11
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.20	< 0.1
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.20	< 0.1
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.28	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.12	< 0.06
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.26	< 0.13
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.15	< 0.076
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.20	< 0.1
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.090	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.15	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.15	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.0	< 3
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.9	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.8	6.2 J
Benzene	0.5	5	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.18	< 0.089
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.15	< 0.077
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.18	< 0.088
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 1.2	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	< 0.053
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.076	< 0.038
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.12	< 0.062
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	0.74 BJ	1.6 J
cis-1,2-Dichloroethene	7	70	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	2.6	5.8	***9.5***	***10***	5.4	***10***	6.4	***7***	6.4	4.5
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2 *	< 0.2	< 0.20	< 0.20	< 0.2	< 0.2	< 0.2 *	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.22	< 0.11
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.11	< 0.054
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.16	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	0.06 BJ
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.28	< 0.14
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.28	< 0.14
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.18	< 0.088
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.28	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.42	< 0.21
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.20	< 0.1
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.12	< 0.058
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.17	< 0.085
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.26	< 0.13
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.13	< 0.065
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.24	< 0.12
Tetrachloroethene	0.5	5	***0.76 J***	< 0.17	< 0.17	***0.76 J***	***0.56 J***	< 0.17	***23***	***330***	***90***	***94***	***330***	***110***	***120***	***89***	***68***	***45***
Toluene	160	800	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	0.16 J	< 0.053
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.22	< 0.11
Trichloroethene	0.5	5	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	***3.8***	***44***	***12***	***13***	***30***	***16***	***12***	***10***	***9.2***	***7.1***
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.32	< 0.16
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.12	< 0.12
Total PCBs																		
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																		
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																		
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16
SCREEN INTERVAL (feet bgs)	PREVENTIVE ACTION LIMIT	ENFORCEMENT STANDARD	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft
SAMPLE DATE			01/22/2013	04/16/2013	07/23/2013	10/09/2013	04/15/2014	10/16/2014	04/13/2015	10/15/2015	01/20/2016	04/19/2016	07/18/2016	10/11/2016	1/18/2017	04/10/2017	10/02/2017	04/02/2018
VOCs																		
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.22	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.28	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.12	< 0.060	< 0.060	< 0.060	< 0.060	< 0.06	< 0.060
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.26	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.15	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.090	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.15	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.15	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 6.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3	< 3.0
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	2.2 J	< 1.9	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 1.5	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 6.8	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Benzene	0.5	5	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.18	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.15	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.18	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 1.2	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.11	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.076	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.12	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	< 0.32	< 0.16	0.60 BJ	0.55 BJ	< 0.16	0.4 J	< 0.16
cis-1,2-Dichloroethene	7	70	1.9	1.2	< 0.12	< 0.12	1.4	1.4	1.2	1.2	1.2	1.4	1.4	1.7	1.5 B	1.5	1.8	2.2
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2 *	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.22	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.11	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.16	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.11	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	0.060 J
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.28	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	0.35 J	< 0.28	< 0.14	< 0.14	0.27 BJ	< 0.14	< 0.14	0.24 J
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.18	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.28	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.42	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.12	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.17	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.26	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 0.13	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.24	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Tetrachloroethene	0.5	5	***14***	***11***	***23***	***37***	***38***	***35***	***27***	***33***	***30***	***28***	***35***	***29***	***26***	***37***	***30***	***38***
Toluene	160	800	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	< 0.053	< 0.11	< 0.053	< 0.053	0.14 BJ	< 0.053	< 0.053	0.060 J
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.22	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Trichloroethene	0.5	5	***2.1***	***2***	***3***	***6.1***	***6.1***	***6.9***	***5.3***	***5.7***	***5.1***	***5***	***5.9***	***6.1***	***5.2***	***6.4***	***6.3***	***8.2***
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.32	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.12	< 0.058	< 0.058	< 0.12	< 0.12	< 0.12	< 0.12
Total PCBs																		
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																		
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																		
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	175 - 179 ft	175 - 179 ft	175 - 179 ft	175 - 179 ft	175 - 179 ft	175 - 179 ft	175 - 179 ft	175 - 179 ft	175 - 179 ft	175 - 179 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/22/2013	04/16/2013	07/23/2013	10/09/2013	04/15/2014	10/16/2014	04/13/2015	10/15/2015	10/11/2016	10/02/2017
VOCs												
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.1
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.06
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4
Benzene	0.5	5	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	0.81 J
cis-1,2-Dichloroethene	7	70	1.9	0.99 J	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.41	< 0.11	< 0.11
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2 *	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.14	0.16 J
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.1
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	0.07 BJ
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12
Tetrachloroethene	0.5	5	***13***	***6.7***	***2.2***	***3.7***	***3.8***	***4.8***	***4.2***	***2.7***	***3.1***	***4.2***
Toluene	160	800	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	0.080 J	< 0.053
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11
Trichloroethene	0.5	5	***2.2***	***1.2***	0.42 J	***0.98***	***0.87***	***0.98***	***0.69***	0.42 J	***0.54***	***0.64***
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.12
Total PCBs												
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs												
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids												
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/17/2013	04/20/2013	07/18/2013	10/08/2013	04/22/2014	10/22/2014	04/15/2015	10/22/2015	01/22/2016	04/20/2016	07/19/2016	10/12/2016	1/20/2017	04/12/2017	10/09/2017	04/04/2018
VOCs																		
1,1,1,2-Tetrachloroethane	7	70	< 0.5	< 0.5	< 0.25	< 0.5	< 0.50	< 0.50	< 1.3	< 0.92	< 5.5	< 11	< 2.8	< 2.2	< 5.5	< 5.5	< 2.8	< 2.8
1,1,1-Trichloroethane	40	200	< 0.4	< 0.4	< 0.2	< 0.4	< 0.40	< 0.40	< 1.0	< 0.76	< 5.0	< 10	< 2.5	< 2.0	< 5.0	< 5.0	< 2.5	< 2.5
1,1,2-Trichloroethane	0.5	5	< 0.56	***11***	< 0.28	< 0.56	< 0.56	< 0.56	< 1.4	< 0.70	< 5.0	< 10	< 2.5	< 2.0	< 5.0	< 5.0	< 2.5	< 2.5
1,1-Dichloroethene	0.7	7	< 0.62	< 0.62	< 0.31	< 0.62	< 0.62	< 0.62	< 1.6	< 0.78	< 7.0	< 14	< 3.5	< 2.8	< 7.0	< 7.0	< 3.5	< 3.5
1,2,4-Trimethylbenzene	96	480	< 0.28	< 0.28	< 0.14	< 0.28	< 0.28	< 0.28	< 0.70	< 0.72	< 3.0	< 6.0	< 1.5	< 1.2	< 3.0	< 3.0	< 1.5	< 1.5
1,2-Dibromoethane	0.005	0.05	< 0.72	< 0.72	< 0.36	< 0.72	< 0.72	< 0.72	< 1.8	< 0.77	< 6.5	< 13	< 3.3	< 2.6	< 6.5	< 6.5	< 3.3	< 3.3
1,2-Dichlorobenzene	60	600	< 0.54	< 0.54	< 0.27	< 0.54	< 0.54	< 0.54	< 1.4	< 0.67	< 3.8	< 7.6	< 1.9	< 1.5	< 3.8	< 3.8	< 1.9	< 1.9
1,2-Dichloropropane	0.5	5	< 0.4	< 0.4	< 0.2	< 0.4	< 0.40	< 0.40	< 1.0	< 0.86	< 5.0	< 10	< 2.5	< 2.0	< 5.0	< 5.0	< 2.5	< 2.5
1,2,3-Trichlorobenzene	NE	NE	< 0.48	< 0.48	< 0.24	< 0.48	< 0.48	< 0.48	< 1.2	< 0.92	< 2.3	< 4.5	< 1.1	< 0.90	< 2.3	< 2.3	< 1.1	< 1.1
1,2,4-Trichlorobenzene	14	70	< 0.62	< 0.62	< 0.31	< 0.62	< 0.62	< 0.62	< 1.6	< 0.68	< 3.9	< 7.7	< 1.9	< 1.5	< 3.9	< 3.9	< 1.9	< 1.9
1,3,5-Trimethylbenzene	96	480	< 0.36	< 0.36	< 0.18	< 0.36	< 0.36	< 0.36	< 0.90	< 0.51	< 3.8	< 7.5	< 1.9	< 1.5	< 3.8	< 3.8	< 1.9	< 1.9
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	< 150	< 300	< 75	< 60	< 150	< 150	< 75	< 75
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	< 48	< 95	< 24	< 19	< 48	< 48	< 24	< 24
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	< 39	< 77	< 19	< 15	< 39	< 39	< 19	< 19
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	< 170	< 340	< 85	< 68	< 170	< 170	< 85	< 85
Benzene	0.5	5	***20***	***1.2***	< 0.074	< 0.15	< 0.15	< 0.15	< 0.37	< 0.29	< 4.5	< 8.9	< 2.2	< 1.8	< 4.5	< 4.5	< 2.2	< 2.2
Bromodichloromethane	0.06	0.6	< 0.34	< 0.34	< 0.17	< 0.34	< 0.34	< 0.34	< 0.85	< 0.74	< 3.9	< 7.7	< 1.9	< 1.5	< 3.9	< 3.9	< 1.9	< 1.9
Bromoform	0.44	4.4	< 0.56	< 0.56	< 0.28	< 0.56	< 0.56	< 0.56	< 1.4	< 0.97	< 4.4	< 8.8	< 2.2	< 1.8	< 4.4	< 4.4	< 2.2	< 2.2
Bromomethane	1	10	< 0.62	< 0.62	< 0.31	< 0.62	< 0.62	< 0.62	< 1.6	< 1.6	< 30	< 59	< 15	< 12	< 30	< 30	< 15	< 15
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	< 2.7	< 5.3	< 1.3	< 1.1	< 2.7	18 J	< 1.3	< 1.3
Carbon tetrachloride	0.5	5	***1.2 J***	< 0.52	< 0.26	< 0.52	< 0.52	< 0.52	< 1.3	< 0.77	< 1.9	< 3.8	< 0.95	< 0.76	< 1.9	< 1.9	< 0.95	< 0.95
Chloroform	0.6	6	***1.8 J***	< 0.4	***0.86 J***	< 0.4	***1.1 J***	***1.5 J***	< 1.0	***2.8***	***3.5 J***	***14 BJ***	***3.5 J***	***4.2 J***	***6.5 BJ***	***13 J***	***4.5 J***	***3.0 J***
Chloromethane	3	30	< 0.36	< 0.36	< 0.18	< 0.36	< 0.36	< 0.36	< 0.90	< 0.64	< 8.0	< 16	< 4.0	***15 BJ***	< 8.0	***22 J+***	***9.3 J***	< 4
cis-1,2-Dichloroethene	7	70	3.5	1.7 J	1.6	< 0.24	2.7	3.4	5.3	5.9	***7.5 J***	< 11	***8.8 J***	4.8 J	< 5.5	< 5.5	5.3 J	5.8 J
Dichlorodifluoromethane	200	1000	< 0.4	< 0.4	< 0.2	< 0.4	< 0.40	< 0.40	< 1.0	< 1.1	< 5.5	< 11	3.0 J	< 2.2	< 5.5	< 5.5	< 2.8	< 2.8
Ethylbenzene	140	700	< 0.26	< 0.26	< 0.13	< 0.26	< 0.26	< 0.26	< 0.65	< 0.37	< 2.7	< 5.4	< 1.4	< 1.1	< 2.7	< 2.7	< 1.4	< 1.4
Isopropylbenzene	NE	NE	< 0.28	< 0.28	< 0.14	< 0.28	< 0.28	< 0.28	< 0.70	< 0.77	< 4.1	< 8.1	< 2.0	< 1.6	< 4.1	< 4.1	< 2	< 2.0
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 2.9	< 5.7	< 1.4	< 1.1	< 2.9	< 2.9	< 1.4	< 1.4
Methyl tert-butyl ether	12	60	< 0.48	< 0.48	< 0.24	< 0.48	< 0.48	< 0.48	< 1.2	< 0.79	< 7.0	< 14	< 3.5	< 2.8	< 7.0	< 7.0	< 3.5	< 3.5
Methylene chloride	0.5	5	< 1.4	< 1.4	< 0.68	< 1.4	< 1.4	< 1.4	< 3.4	< 3.3	< 7.0	< 14	***6.5 BJ***	< 2.8	< 7.0	< 7.0	< 3.5	< 3.5
Naphthalene	10	100	< 0.32	< 0.32	< 0.16	< 0.32	< 0.32	< 0.32	< 0.80	< 0.67	< 4.4	< 8.8	< 2.2	< 1.8	< 4.4	< 4.4	2.8 BJ	< 2.2
n-Butylbenzene	NE	NE	< 0.26	< 0.26	< 0.13	< 0.26	< 0.26	< 0.26	< 0.65	< 0.78	< 7.0	< 14	< 3.5	< 2.8	< 7.0	< 7.0	< 3.5	< 3.5
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	< 11	< 21	< 5.3	< 4.2	< 11	< 11	< 5.3	< 5.3
n-Propylbenzene	NE	NE	< 0.26	< 0.26	< 0.13	< 0.26	< 0.26	< 0.26	< 0.65	< 0.83	< 5.0	< 10	< 2.5	< 2.0	< 5.0	< 5.0	< 2.5	< 2.5
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 2.9	< 5.8	< 1.5	< 1.2	< 2.9	< 2.9	< 1.5	< 1.5
p-Isopropyltoluene	NE	NE	< 0.34	< 0.34	< 0.17	< 0.34	< 0.34	< 0.34	< 0.85	< 0.72	< 4.3	< 8.5	< 2.1	< 1.7	< 4.3	< 4.3	< 2.1	< 2.1
sec-Butylbenzene	NE	NE	< 0.3	< 0.3	< 0.15	< 0.3	< 0.30	< 0.30	< 0.75	< 0.80	< 6.5	< 13	< 3.3	< 2.6	< 6.5	< 6.5	< 3.3	< 3.3
Styrene	10	100	< 0.2	< 0.2	< 0.1	< 0.2	< 0.20	< 0.20	< 0.50	< 0.77	< 3.3	< 6.5	< 1.6	< 1.3	< 3.3	< 3.3	1.8 J	< 1.6
tert-Butylbenzene	NE	NE	< 0.28	< 0.28	< 0.14	< 0.28	< 0.28	< 0.28	< 0.70	< 0.80	< 6.0	< 12	< 3.0	< 2.4	< 6.0	< 6.0	< 3	< 3.0
Tetrachloroethene	0.5	5	***1300***	***790***	***470***	***800***	***970***	***920***	***980***	***860***	***1200***	***1100***	***950***	***970***	***1000***	***680***	***790 B***	***870***
Toluene	160	800	1.8	< 0.22	0.69	< 0.22	< 0.22	< 0.22	< 0.55	< 0.30	< 2.7	< 5.3	< 1.3	< 1.1	7.0 BJ	6.5 J	< 1.3	1.3
trans-1,2-Dichloroethene	20	100	1.5 J	< 0.5	0.68 J	< 0.5	< 0.50	< 0.50	< 1.3	1.0 J	< 5.5	< 11	< 2.8	< 2.2	< 5.5	< 5.5	< 2.8	< 2.8
Trichloroethene	0.5	5	***86***	***46***	***33***	***49***	***51***	***55***	***67***	***63***	***80***	***69***	***66***	***68***	***59 B***	***52***	***59***	***64***
Vinyl chloride	0.02	0.2	< 0.2	< 0.2	< 0.1	< 0.2	< 0.20	< 0.20	< 0.50	< 0.41	< 8.0	< 16	< 4.0	< 3.2	< 8.0	< 8.0	< 4	< 4.0
Xylenes, Total	400	2000	3.1	< 0.14	0.56 J	< 0.14	< 0.14	< 0.14	< 0.34	< 0.44	< 2.9	< 5.8	< 1.5	< 1.2	< 5.8	< 5.8	< 2.9	< 2.9
Total PCBs																		
Aroclor-1016	0.003	0.03	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	< 0.093	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	< 0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																		
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																		
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	11/28/2012	12/18/2012	12/19/2012	12/28/2012	01/03/2013	01/15/2013	01/15/2013	01/31/2013	02/12/2013	02/12/2013	02/28/2013	03/12/2013	04/19/2013	07/17/2013	10/09/2013	04/22/2014	10/23/2014
VOCs																			
1,1,1,2-Tetrachloroethane	7	70	< 1.3	NA	NA	NA	NA	NA	< 0.25	NA	NA	< 0.5	NA	< 1.3	< 1.3	< 1.3	< 1.3	< 0.25	< 0.25
1,1,1-Trichloroethane	40	200	< 1	NA	NA	NA	NA	NA	< 0.2	NA	NA	< 0.4	NA	< 1	< 1	< 1	< 1	< 0.20	< 0.20
1,1,2-Trichloroethane	0.5	5	< 1.4	NA	NA	NA	NA	NA	< 0.28	NA	NA	< 0.56	NA	< 1.4	< 1.4	< 1.4	< 1.4	< 0.28	< 0.28
1,1-Dichloroethene	0.7	7	< 1.6	NA	NA	NA	NA	NA	< 0.31	NA	NA	< 0.62	NA	< 1.6	< 1.6	< 1.6	< 1.6	< 0.31	< 0.31
1,2,4-Trimethylbenzene	96	480	< 0.7	NA	NA	NA	NA	NA	< 0.14	NA	NA	< 0.28	NA	< 0.7	< 0.7	< 0.7	< 0.7	< 0.14	< 0.14
1,2-Dibromoethane	0.005	0.05	< 1.8	NA	NA	NA	NA	NA	< 0.36	NA	NA	< 0.72	NA	< 1.8	< 1.8	< 1.8	< 1.8	< 0.36	< 0.36
1,2-Dichlorobenzene	60	600	< 1.4	NA	NA	NA	NA	NA	< 0.27	NA	NA	< 0.54	NA	< 1.4	< 1.4	< 1.4	< 1.4	< 0.27	< 0.27
1,2-Dichloropropane	0.5	5	< 1	NA	NA	NA	NA	NA	< 0.2	NA	NA	< 0.4	NA	< 1	< 1	< 1	< 1	< 0.20	< 0.20
1,2,3-Trichlorobenzene	NE	NE	< 1.2	NA	NA	NA	NA	NA	< 0.24	NA	NA	< 0.48	NA	< 1.2	< 1.2	< 1.2	< 1.2	< 0.24	< 0.24
1,2,4-Trichlorobenzene	14	70	< 1.6	NA	NA	NA	NA	NA	< 0.31	NA	NA	< 0.62	NA	< 1.6	< 1.6	< 1.6	< 1.6	< 0.31	< 0.31
1,3,5-Trimethylbenzene	96	480	< 0.9	NA	NA	NA	NA	NA	< 0.18	NA	NA	< 0.36	NA	< 0.9	< 0.9	< 0.9	< 0.9	< 0.18	< 0.18
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	***3.2***	NA	NA	NA	NA	NA	0.46 J	NA	NA	***1.4***	NA	***1.9 J***	***2.2 J***	< 0.37	***1.3 J***	0.38 J	0.46 J
Bromodichloromethane	0.06	0.6	< 0.85	NA	NA	NA	NA	NA	< 0.17	NA	NA	< 0.34	NA	< 0.85	< 0.85	< 0.85	< 0.85	< 0.17	< 0.17
Bromoform	0.44	4.4	< 1.4	NA	NA	NA	NA	NA	< 0.28	NA	NA	< 0.56	NA	< 1.4	< 1.4	< 1.4	< 1.4	< 0.28	< 0.28
Bromomethane	1	10	< 1.6	NA	NA	NA	NA	NA	< 0.31	NA	NA	< 0.62	NA	< 1.6	< 1.6	< 1.6	< 1.6	< 0.31	< 0.31
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 1.3	NA	NA	NA	NA	NA	< 0.26	NA	NA	< 0.52	NA	< 1.3	< 1.3	< 1.3	< 1.3	< 0.26	< 0.26
Chloroform	0.6	6	***7.2***	NA	NA	NA	NA	NA	***2.3***	NA	NA	***4.5***	NA	***7.5***	***6.2***	< 1	***5.2***	***1.4***	***2***
Chloromethane	3	30	< 0.9	NA	NA	NA	NA	NA	< 0.18	NA	NA	< 0.36	NA	< 0.9	< 0.9	< 0.9	< 0.9	< 0.18	< 0.18
cis-1,2-Dichloroethene	7	70	***150***	NA	NA	NA	NA	NA	***40***	NA	NA	***77***	NA	***110***	***99***	***70***	***78***	***21***	***26***
Dichlorodifluoromethane	200	1000	< 1	NA	NA	NA	NA	NA	< 0.2	NA	NA	< 0.4	NA	< 1	< 1	< 1	< 1	< 0.20	< 0.20
Ethylbenzene	140	700	< 0.65	NA	NA	NA	NA	NA	< 0.13	NA	NA	< 0.26	NA	< 0.65	< 0.65	< 0.65	< 0.65	< 0.13	< 0.13
Isopropylbenzene	NE	NE	< 0.7	NA	NA	NA	NA	NA	< 0.14	NA	NA	< 0.28	NA	< 0.7	< 0.7	< 0.7	< 0.7	< 0.14	< 0.14
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 1.2	NA	NA	NA	NA	NA	< 0.24	NA	NA	< 0.48	NA	< 1.2	< 1.2	< 1.2	< 1.2	< 0.24	< 0.24
Methylene chloride	0.5	5	< 3.4	NA	NA	NA	NA	NA	< 0.68	NA	NA	< 1.4	NA	< 3.4	< 3.4	< 3.4	< 3.4	< 0.68	< 0.68
Naphthalene	10	100	< 0.8	NA	NA	NA	NA	NA	< 0.16	NA	NA	< 0.32	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.16	< 0.16
n-Butylbenzene	NE	NE	< 0.65	NA	NA	NA	NA	NA	< 0.13	NA	NA	< 0.26	NA	< 0.65	< 0.65	< 0.65	< 0.65	< 0.13	< 0.13
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.65	NA	NA	NA	NA	NA	< 0.13	NA	NA	< 0.26	NA	< 0.65	< 0.65	< 0.65	< 0.65	< 0.13	< 0.13
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.85	NA	NA	NA	NA	NA	< 0.17	NA	NA	< 0.34	NA	< 0.85	< 0.85	< 0.85	< 0.85	< 0.17	< 0.17
sec-Butylbenzene	NE	NE	< 0.75	NA	NA	NA	NA	NA	< 0.15	NA	NA	< 0.3	NA	< 0.75	< 0.75	< 0.75	< 0.75	< 0.15	< 0.15
Styrene	10	100	< 0.5	NA	NA	NA	NA	NA	< 0.1	NA	NA	< 0.2	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.10	< 0.10
tert-Butylbenzene	NE	NE	< 0.7	NA	NA	NA	NA	NA	< 0.14	NA	NA	< 0.28	NA	< 0.7	< 0.7	< 0.7	< 0.7	< 0.14	< 0.14
Tetrachloroethene	0.5	5	***3300***	NA	NA	NA	NA	NA	***690***	NA	NA	***1900***	NA	***2600***	***2600***	***2900***	***1800***	***520***	***520***
Toluene	160	800	1.1 J	NA	NA	NA	NA	NA	< 0.11	NA	NA	< 0.22	NA	< 0.55	< 0.55	< 0.55	< 0.55	< 0.11	< 0.11
trans-1,2-Dichloroethene	20	100	7.4	NA	NA	NA	NA	NA	2.6	NA	NA	3.8	NA	5.3	4.1 J	2.6 J	4.6 J	1.3	1.9
Trichloroethene	0.5	5	***230***	NA	NA	NA	NA	NA	***59***	NA	NA	***130***	NA	***160***	***170***	***140***	***150***	***43***	***65***
Vinyl chloride	0.02	0.2	< 0.5	NA	NA	NA	NA	NA	< 0.1	NA	NA	< 0.2	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.10	< 0.10
Xylenes, Total	400	2000	< 0.34	NA	NA	NA	NA	NA	< 0.068	NA	NA	< 0.14	NA	< 0.34	< 0.34	< 0.34	< 0.34	< 0.068	< 0.068
Total PCBs																			
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																			
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																			
Total Dissolved Solids	NE	NE	3300	1700	4800	4300	3900	3200	2700	2800	20000	12000	15000	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D[1]	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D[1]	MW-19D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	11/29/2012	12/11/2012	12/12/2012	12/13/2012	12/14/2012	12/15/2012	12/16/2012	12/17/2012	12/18/2012	12/19/2012	12/27/2012	01/02/2013	01/16/2013	01/16/2013	01/30/2013	02/11/2013	02/28/2013	03/11/2013	04/19/2013	07/17/2013	10/09/2013	04/17/2014	10/21/2014
VOCs																								
1,1,1,2-Tetrachloroethane	7	70	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.3	NA	< 1.3	NA	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 0.50
1,1,1-Trichloroethane	40	200	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	NA	< 1	< 1	< 1	< 1	< 1.0	< 0.40
1,1,2-Trichloroethane	0.5	5	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.4	NA	< 1.4	NA	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.56
1,1-Dichloroethene	0.7	7	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	< 1.6	NA	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 0.62
1,2,4-Trimethylbenzene	96	480	< 0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.7	NA	< 0.7	NA	< 0.7	< 0.7	< 0.7	< 0.7	< 0.70	< 0.28
1,2-Dibromoethane	0.005	0.05	< 1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.8	NA	< 1.8	NA	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 0.72
1,2-Dichlorobenzene	60	600	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.4	NA	< 1.4	NA	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.54
1,2-Dichloropropane	0.5	5	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	NA	< 1	< 1	< 1	< 1	< 1.0	< 0.40
1,2,3-Trichlorobenzene	NE	NE	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.2	NA	< 1.2	NA	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.48
1,2,4-Trichlorobenzene	14	70	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	< 1.6	NA	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 0.62
1,3,5-Trimethylbenzene	96	480	< 0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.9	NA	< 0.9	NA	< 0.9	< 0.9	< 0.9	< 0.9	< 0.90	< 0.36
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.37	NA	< 0.37	NA	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.15
Bromodichloromethane	0.06	0.6	< 0.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.85	NA	< 0.85	NA	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.34
Bromoform	0.44	4.4	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.4	NA	< 1.4	NA	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.56
Bromomethane	1	10	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	< 1.6 *	NA	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 0.62
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.3	NA	< 1.3	NA	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 0.52
Chloroform	0.6	6	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	NA	< 1	< 1	< 1	< 1	< 1.0	< 0.40
Chloromethane	3	30	< 0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.9	NA	< 0.9	NA	< 0.9	< 0.9	< 0.9	< 0.9	< 0.90	< 0.36
cis-1,2-Dichloroethene	7	70	***530***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***170***	NA	***450***	NA	***420***	***520***	***540***	***300***	***49***	***240***
Dichlorodifluoromethane	200	1000	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	NA	< 1	< 1	< 1	< 1	< 1.0	< 0.40
Ethylbenzene	140	700	< 0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.65	NA	< 0.65	NA	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.26
Isopropylbenzene	NE	NE	< 0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.7	NA	< 0.7	NA	< 0.7	< 0.7	< 0.7	< 0.7	< 0.70	< 0.28
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.2	NA	< 1.2	NA	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.48
Methylene chloride	0.5	5	< 3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	NA	< 3.4	NA	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 1.4
Naphthalene	10	100	< 0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	< 0.8	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.32
n-Butylbenzene	NE	NE	< 0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.65	NA	< 0.65	NA	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.26
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.65	NA	< 0.65	NA	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.26
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.85	NA	< 0.85	NA	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.34
sec-Butylbenzene	NE	NE	< 0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.75	NA	< 0.75	NA	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.30
Styrene	10	100	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5	NA	< 0.5	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.20
tert-Butylbenzene	NE	NE	< 0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.7	NA	< 0.7	NA	< 0.7	< 0.7	< 0.7	< 0.7	< 0.70	< 0.28
Tetrachloroethene	0.5	5	***2400***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***1700***	NA	***2700***	NA	***2100***	***2200***	***2700***	***1500***	***1400***	***1500***
Toluene	160	800	< 0.55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.55	NA	< 0.55	NA	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.22
trans-1,2-Dichloroethene	20	100	7.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.3	NA	4.4 J	NA	5.1	6.3	8.1	4.1 J	< 1.3	3.1
Trichloroethene	0.5	5	***230***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***69***	NA	***180***	NA	***180***	***200***	***240***	***150***	***68***	***140***
Vinyl chloride	0.02	0.2	***9.1***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***3.2***	NA	***8***	NA	***11***	***18***	***20***	***6.6***	< 0.50	***4.5***
Xylenes, Total	400	2000	< 0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.34	NA	< 0.34	NA	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.14
Total PCBs																									
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																									
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																									
Total Dissolved Solids	NE	NE	910	1100	1400	1300	1300	1200	1100	1100	1000	1100	1000	990	1100	1100	1000	NA	1100	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2[2]	MW-19D2[1]	MW-19D2	MW-19D2	MW-19D2[1]
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	11/29/2012	12/16/2012	12/17/2012	12/18/2012	12/19/2012	12/27/2012	01/02/2013	01/17/2013	01/17/2013	01/31/2013	02/11/2013	02/28/2013	03/12/2013	04/18/2013	07/17/2013	07/17/2013	10/09/2013	04/17/2014	10/15/2014
VOCs																					
1,1,1,2-Tetrachloroethane	7	70	< 0.5	NA	NA	NA	NA	NA	NA	NA	< 0.5	NA	< 0.5	NA	< 0.5	< 1.3	< 0.5	< 0.5	< 0.5	< 1.3	< 0.50
1,1,1-Trichloroethane	40	200	< 0.4	NA	NA	NA	NA	NA	NA	NA	< 0.4	NA	< 0.4	NA	< 0.4	< 1	< 0.4	< 0.4	< 0.4	< 1.0	< 0.40
1,1,2-Trichloroethane	0.5	5	< 0.56	NA	NA	NA	NA	NA	NA	NA	< 0.56	NA	< 0.56	NA	< 0.56	< 1.4	< 0.56	< 0.56	< 0.56	< 1.4	< 0.56
1,1-Dichloroethene	0.7	7	< 0.62	NA	NA	NA	NA	NA	NA	NA	< 0.62	NA	< 0.62	NA	< 0.62	< 1.6	< 0.62	< 0.62	< 0.62	< 1.6	< 0.62
1,2,4-Trimethylbenzene	96	480	< 0.28	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	< 0.28	NA	< 0.28	< 0.7	< 0.28	< 0.28	< 0.28	< 0.70	< 0.28
1,2-Dibromoethane	0.005	0.05	< 0.72	NA	NA	NA	NA	NA	NA	NA	< 0.72	NA	< 0.72	NA	< 0.72	< 1.8	< 0.72	< 0.72	< 0.72	< 1.8	< 0.72
1,2-Dichlorobenzene	60	600	< 0.54	NA	NA	NA	NA	NA	NA	NA	< 0.54	NA	< 0.54	NA	< 0.54	< 1.4	< 0.54	< 0.54	< 0.54	< 1.4	< 0.54
1,2-Dichloropropane	0.5	5	< 0.4	NA	NA	NA	NA	NA	NA	NA	< 0.4	NA	< 0.4	NA	< 0.4	< 1	< 0.4	< 0.4	< 0.4	< 1.0	< 0.40
1,2,3-Trichlorobenzene	NE	NE	< 0.48	NA	NA	NA	NA	NA	NA	NA	< 0.48	NA	< 0.48	NA	< 0.48	< 1.2	< 0.48	< 0.48	< 0.48	< 1.2	< 0.48
1,2,4-Trichlorobenzene	14	70	< 0.62	NA	NA	NA	NA	NA	NA	NA	< 0.62	NA	< 0.62	NA	< 0.62	< 1.6	< 0.62	< 0.62	< 0.62	< 1.6	< 0.62
1,3,5-Trimethylbenzene	96	480	< 0.36	NA	NA	NA	NA	NA	NA	NA	< 0.36	NA	< 0.36	NA	< 0.36	< 0.9	< 0.36	< 0.36	< 0.36	< 0.90	< 0.36
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.15	NA	NA	NA	NA	NA	NA	NA	< 0.15	NA	< 0.15	NA	< 0.15	< 0.37	< 0.15	< 0.15	< 0.15	< 0.37	< 0.15
Bromodichloromethane	0.06	0.6	< 0.34	NA	NA	NA	NA	NA	NA	NA	< 0.34	NA	< 0.34	NA	< 0.34	< 0.85	< 0.34	< 0.34	< 0.34	< 0.85	< 0.34
Bromoform	0.44	4.4	< 0.56	NA	NA	NA	NA	NA	NA	NA	< 0.56	NA	< 0.56	NA	< 0.56	< 1.4	< 0.56	< 0.56	< 0.56	< 1.4	< 0.56
Bromomethane	1	10	< 0.62	NA	NA	NA	NA	NA	NA	NA	< 0.62	NA	< 0.62 *	NA	< 0.62	< 1.6	< 0.62	< 0.62	< 0.62	< 1.6	< 0.62 *
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.52	NA	NA	NA	NA	NA	NA	NA	< 0.52	NA	< 0.52	NA	< 0.52	< 1.3	< 0.52	< 0.52	< 0.52	< 1.3	< 0.52
Chloroform	0.6	6	< 0.4	NA	NA	NA	NA	NA	NA	NA	< 0.4	NA	< 0.4	NA	< 0.4	< 1	< 0.4	< 0.4	< 0.4	< 1.0	< 0.40
Chloromethane	3	30	< 0.36	NA	NA	NA	NA	NA	NA	NA	< 0.36	NA	< 0.36	NA	< 0.36	< 0.9	< 0.36	< 0.36	< 0.36	< 0.90	< 0.36
cis-1,2-Dichloroethene	7	70	***250***	NA	NA	NA	NA	NA	NA	NA	***320***	NA	***270***	NA	***260***	***200***	< 0.24	***98***	***120***	***330***	6.8
Dichlorodifluoromethane	200	1000	< 0.4	NA	NA	NA	NA	NA	NA	NA	< 0.4	NA	< 0.4	NA	< 0.4	< 1	< 0.4	< 0.4	< 0.4	< 1.0	< 0.40
Ethylbenzene	140	700	< 0.26	NA	NA	NA	NA	NA	NA	NA	< 0.26	NA	< 0.26	NA	< 0.26	< 0.65	< 0.26	< 0.26	< 0.26	< 0.65	< 0.26
Isopropylbenzene	NE	NE	< 0.28	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	< 0.28	NA	< 0.28	< 0.7	< 0.28	< 0.28	< 0.28	< 0.70	< 0.28
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 0.48	NA	NA	NA	NA	NA	NA	NA	< 0.48	NA	< 0.48	NA	< 0.48	< 1.2	< 0.48	< 0.48	< 0.48	< 1.2	< 0.48
Methylene chloride	0.5	5	< 1.4	NA	NA	NA	NA	NA	NA	NA	< 1.4	NA	< 1.4	NA	< 1.4	< 3.4	< 1.4	< 1.4	< 1.4	< 3.4	< 1.4
Naphthalene	10	100	< 0.32	NA	NA	NA	NA	NA	NA	NA	< 0.32	NA	< 0.32	NA	< 0.32	< 0.8	< 0.32	< 0.32	< 0.32	< 0.80	< 0.32
n-Butylbenzene	NE	NE	< 0.26	NA	NA	NA	NA	NA	NA	NA	< 0.26	NA	< 0.26	NA	< 0.26	< 0.65	< 0.26	< 0.26	< 0.26	< 0.65	< 0.26
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.26	NA	NA	NA	NA	NA	NA	NA	< 0.26	NA	< 0.26	NA	< 0.26	< 0.65	< 0.26	< 0.26	< 0.26	< 0.65	< 0.26
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.34	NA	NA	NA	NA	NA	NA	NA	< 0.34	NA	< 0.34	NA	< 0.34	< 0.85	< 0.34	< 0.34	< 0.34	< 0.85	< 0.34
sec-Butylbenzene	NE	NE	< 0.3	NA	NA	NA	NA	NA	NA	NA	< 0.3	NA	< 0.3	NA	< 0.3	< 0.75	< 0.3	< 0.3	< 0.3	< 0.75	< 0.30
Styrene	10	100	< 0.2	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	< 0.5	< 0.2	< 0.2	< 0.2	< 0.50	< 0.20
tert-Butylbenzene	NE	NE	< 0.28	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	< 0.28	NA	< 0.28	< 0.7	< 0.28	< 0.28	< 0.28	< 0.70	< 0.28
Tetrachloroethene	0.5	5	***680***	NA	NA	NA	NA	NA	NA	NA	***1200***	NA	***1300***	NA	***1400***	***1000***	***820***	***1200***	***950***	***1900***	***620***
Toluene	160	800	< 0.22	NA	NA	NA	NA	NA	NA	NA	< 0.22	NA	< 0.22	NA	< 0.22	< 0.55	< 0.22	< 0.22	< 0.22	< 0.55	< 0.22
trans-1,2-Dichloroethene	20	100	3.4	NA	NA	NA	NA	NA	NA	NA	4.9	NA	4.2	NA	4.2	2.6 J	< 0.5	< 0.5	< 0.5	5.0	< 0.50
Trichloroethene	0.5	5	***110***	NA	NA	NA	NA	NA	NA	NA	***160***	NA	***150***	NA	***150***	***130***	< 0.38	***110***	***120***	***170***	***11***
Vinyl chloride	0.02	0.2	***0.93 J***	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	< 0.5	< 0.2	< 0.2	< 0.2	***7.9***	< 0.20
Xylenes, Total	400	2000	< 0.14	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	< 0.14	NA	< 0.14	< 0.34	< 0.14	< 0.14	< 0.14	< 0.34	< 0.14
Total PCBs																					
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																					
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																					
Total Dissolved Solids	NE	NE	1500	1600	1600	1500	1500	1500	1500	1400	1500	1500	1500	1500	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D[1]	MW-20D	MW-20D[1]	MW-20D[1]	MW-20D	MW-20D	MW-20D	MW-20D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	11/29/2012	12/11/2012	12/12/2012	12/13/2012	12/14/2012	12/15/2012	12/16/2012	12/17/2012	12/18/2012	12/19/2012	12/27/2012	01/02/2013	01/16/2013	01/16/2013	01/30/2013	02/12/2013	02/12/2013	02/12/2013	02/28/2013	03/12/2013	04/18/2013	07/17/2013	10/09/2013	04/15/2014	10/22/2014
VOCs																										
1,1,1,2-Tetrachloroethane	7	70	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.25	NA	NA	NA	< 0.25	NA	< 0.25	< 1.3	< 0.5	< 1.3	< 0.50	< 0.50
1,1,1-Trichloroethane	40	200	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	< 1	< 0.4	< 1	< 0.40	< 0.40
1,1,2-Trichloroethane	0.5	5	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	< 0.28	NA	< 0.28	< 1.4	< 0.56	< 1.4	< 0.56	< 0.56
1,1-Dichloroethene	0.7	7	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.31	NA	< 0.31	< 1.6	< 0.62	< 1.6	< 0.62	< 0.62
1,2,4-Trimethylbenzene	96	480	< 0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.14	NA	< 0.14	< 0.7	< 0.28	< 0.7	< 0.28	< 0.28
1,2-Dibromoethane	0.005	0.05	< 1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.36	NA	NA	NA	< 0.36	NA	< 0.36	< 1.8	< 0.72	< 1.8	< 0.72	< 0.72
1,2-Dichlorobenzene	60	600	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.27	NA	NA	NA	< 0.27	NA	< 0.27	< 1.4	< 0.54	< 1.4	< 0.54	< 0.54
1,2-Dichloropropane	0.5	5	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	< 1	< 0.4	< 1	< 0.40	< 0.40
1,2,3-Trichlorobenzene	NE	NE	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.24	NA	NA	NA	< 0.24	NA	< 0.24	< 1.2	< 0.48	< 1.2	< 0.48	< 0.48
1,2,4-Trichlorobenzene	14	70	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.31	NA	< 0.31	< 1.6	< 0.62	< 1.6	< 0.62	< 0.62
1,3,5-Trimethylbenzene	96	480	< 0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	< 0.18	NA	< 0.18	< 0.9	< 0.36	< 0.9	< 0.36	< 0.36
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.074	NA	NA	NA	< 0.074	NA	< 0.074	< 0.37	< 0.15	< 0.37	< 0.15	< 0.15
Bromodichloromethane	0.06	0.6	< 0.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	< 0.17	NA	< 0.17	< 0.85	< 0.34	< 0.85	< 0.34	< 0.34
Bromoform	0.44	4.4	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	< 0.28	NA	< 0.28	< 1.4	< 0.56	< 1.4	< 0.56	< 0.56
Bromomethane	1	10	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.31	NA	< 0.31	< 1.6	< 0.62	< 1.6	< 0.62	< 0.62
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.26	NA	NA	NA	< 0.26	NA	< 0.26	< 1.3	< 0.52	< 1.3	< 0.52	< 0.52
Chloroform	0.6	6	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	< 1	< 0.4	< 1	< 0.40	< 0.40
Chloromethane	3	30	< 0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	< 0.18	NA	< 0.18	< 0.9	< 0.36	< 0.9	< 0.36	< 0.36
cis-1,2-Dichloroethene	7	70	***370***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.69 J	NA	NA	NA	***20***	NA	***39***	***220***	***180***	***170***	***140***	***200***
Dichlorodifluoromethane	200	1000	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	< 1	< 0.4	< 1	< 0.40	< 0.40
Ethylbenzene	140	700	< 0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	< 0.13	NA	< 0.13	< 0.65	< 0.26	< 0.65	< 0.26	< 0.26
Isopropylbenzene	NE	NE	< 0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.14	NA	< 0.14	< 0.7	< 0.28	< 0.7	< 0.28	< 0.28
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.24	NA	NA	NA	< 0.24	NA	< 0.24	< 1.2	< 0.48	< 1.2	< 0.48	< 0.48
Methylene chloride	0.5	5	< 3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.68	NA	NA	NA	< 0.68	NA	< 0.68	< 3.4	< 1.4	< 3.4	< 1.4	< 1.4
Naphthalene	10	100	< 0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	< 0.16	NA	< 0.16	< 0.8	< 0.32	< 0.8	< 0.32	< 0.32
n-Butylbenzene	NE	NE	< 0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	< 0.13	NA	< 0.13	< 0.65	< 0.26	< 0.65	< 0.26	< 0.26
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	< 0.13	NA	< 0.13	< 0.65	< 0.26	< 0.65	< 0.26	< 0.26
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	< 0.17	NA	< 0.17	< 0.85	< 0.34	< 0.85	< 0.34	< 0.34
sec-Butylbenzene	NE	NE	< 0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.15	NA	NA	NA	< 0.15	NA	< 0.15	< 0.75	< 0.3	< 0.75	< 0.30	< 0.30
Styrene	10	100	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.1	NA	NA	NA	< 0.1	NA	< 0.1	< 0.5	< 0.2	< 0.5	< 0.20	< 0.20
tert-Butylbenzene	NE	NE	< 0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.14	NA	< 0.14	< 0.7	< 0.28	< 0.7	< 0.28	< 0.28
Tetrachloroethene	0.5	5	***1600***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***190***	NA	NA	NA	***690***	NA	***650***	***1100***	***1000***	***1200***	***780***	***1100***
Toluene	160	800	< 0.55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.45 J	NA	NA	NA	< 0.11	NA	< 0.11	< 0.55	< 0.22	< 0.55	< 0.22	< 0.22
trans-1,2-Dichloroethene	20	100	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.25	NA	NA	NA	< 0.25	NA	< 0.25	< 1.3	2.2	< 1.3	2.0	2.6
Trichloroethene	0.5	5	***170***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***0.54***	NA	NA	NA	***20***	NA	***29***	***100***	***100***	***89***	***83***	***110***
Vinyl chloride	0.02	0.2	***3.2***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.1	NA	NA	NA	< 0.1	NA	< 0.1	***1.0 J***	< 0.2	< 0.5	***0.76 J***	***2.7***
Xylenes, Total	400	2000	< 0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.068	NA	NA	NA	< 0.068	NA	< 0.068	< 0.34	< 0.14	< 0.34	< 0.14	< 0.14
Total PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																										
Total Dissolved Solids	NE	NE	920	990	5000	16000	10000	4800	2500	3100	2200	1900	940	1300	900	940	880	830	840	NA	1000	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-20D2	MW-20D2	MW-20D2	MW-20D2	MW-20D2	MW-20D2	MW-20D2	MW-20D2	MW-20D2	MW-20D2	MW-20D2	MW-20D2	MW-20D2[1]	MW-20D2	MW-20D2	MW-20D2	MW-20D2[1,3]	MW-20D2	MW-20D2[1]	MW-20D2[1]	MW-20D2[1]	MW-20D2[1]	MW-20D2	MW-20D2[1]
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	11/29/2012	12/13/2012	12/14/2012	12/15/2012	12/16/2012	12/17/2012	12/18/2012	12/19/2012	12/27/2012	01/02/2013	01/16/2013	01/16/2013	02/12/2013	01/30/2013	02/12/2013	02/12/2013	02/12/2013	02/28/2013	03/12/2013	04/18/2013	07/17/2013	10/15/2013	04/15/2014	10/22/2014
VOCs																										
1,1,1,2-Tetrachloroethane	7	70	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.25	< 0.25	NA	NA	NA	< 0.25	NA	< 0.25	< 1.3	< 0.25	< 0.25	< 1.3	< 0.50
1,1,1-Trichloroethane	40	200	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	< 1	< 0.2	< 0.2	< 1.0	< 0.40
1,1,2-Trichloroethane	0.5	5	< 0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.28	< 0.28	NA	NA	NA	< 0.28	NA	< 0.28	< 1.4	< 0.28	< 0.28	< 1.4	< 0.56
1,1-Dichloroethene	0.7	7	< 0.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	< 0.31	NA	NA	NA	< 0.31	NA	< 0.31	< 1.6	< 0.31	< 0.31	< 1.6	< 0.62
1,2,4-Trimethylbenzene	96	480	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	< 0.14	NA	NA	NA	< 0.14	NA	< 0.14	< 0.7	< 0.14	< 0.14	< 0.70	< 0.28
1,2-Dibromoethane	0.005	0.05	< 0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.36	< 0.36	NA	NA	NA	< 0.36	NA	< 0.36	< 1.8	< 0.36	< 0.36	< 1.8	< 0.72
1,2-Dichlorobenzene	60	600	< 0.54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.27	< 0.27	NA	NA	NA	< 0.27	NA	< 0.27	< 1.4	< 0.27	< 0.27	< 1.4	< 0.54
1,2-Dichloropropane	0.5	5	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	< 1	< 0.2	< 0.2	< 1.0	< 0.40
1,2,3-Trichlorobenzene	NE	NE	< 0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.24	< 0.24	NA	NA	NA	< 0.24	NA	< 0.24	< 1.2	< 0.24	< 0.24	< 1.2	< 0.48
1,2,4-Trichlorobenzene	14	70	< 0.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	< 0.31	NA	NA	NA	< 0.31	NA	< 0.31	< 1.6	< 0.31	< 0.31	< 1.6	< 0.62
1,3,5-Trimethylbenzene	96	480	< 0.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	< 0.18	NA	NA	NA	< 0.18	NA	< 0.18	< 0.9	< 0.18	< 0.18	< 0.90	< 0.36
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.074	0.19 J	NA	NA	NA	< 0.074	NA	< 0.074	< 0.37	< 0.074	< 0.074	< 0.37	< 0.15
Bromodichloromethane	0.06	0.6	< 0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.17	< 0.17	NA	NA	NA	< 0.17	NA	< 0.17	< 0.85	< 0.17	< 0.17	< 0.85	< 0.34
Bromoform	0.44	4.4	< 0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.28	< 0.28	NA	NA	NA	< 0.28	NA	< 0.28	< 1.4	< 0.28	< 0.28	< 1.4	< 0.56
Bromomethane	1	10	< 0.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	< 0.31	NA	NA	NA	< 0.31	NA	< 0.31	< 1.6	< 0.31	< 0.31	< 1.6	< 0.62
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.26	< 0.26	NA	NA	NA	< 0.26	NA	< 0.26	< 1.3	< 0.26	< 0.26	< 1.3	< 0.52
Chloroform	0.6	6	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.47 J	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	< 1	< 0.2	< 0.2	< 1.0	< 0.40
Chloromethane	3	30	< 0.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	< 0.18	NA	NA	NA	< 0.18	NA	< 0.18	< 0.9	< 0.18	< 0.18	< 0.90	< 0.36
cis-1,2-Dichloroethene	7	70	***330***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.12	2.8	NA	NA	NA	< 0.12	NA	2.8	***30***	< 0.12	1.4	< 0.60	***12***
Dichlorodifluoromethane	200	1000	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	< 1	< 0.2	< 0.2	< 1.0	< 0.40
Ethylbenzene	140	700	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.13	< 0.13	NA	NA	NA	< 0.13	NA	< 0.13	< 0.65	< 0.13	< 0.13	< 0.65	< 0.26
Isopropylbenzene	NE	NE	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	< 0.14	NA	NA	NA	< 0.14	NA	< 0.14	< 0.7	< 0.14	< 0.14	< 0.70	< 0.28
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.24	< 0.24	NA	NA	NA	< 0.24	NA	< 0.24	< 1.2	< 0.24	< 0.24	< 1.2	< 0.48
Methylene chloride	0.5	5	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.68	< 0.68	NA	NA	NA	< 0.68	NA	< 0.68	< 3.4	< 0.68	< 0.68	< 3.4	< 1.4
Naphthalene	10	100	< 0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	< 0.16	< 0.8	< 0.16	< 0.16	< 0.80	< 0.32
n-Butylbenzene	NE	NE	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.13	< 0.13	NA	NA	NA	< 0.13	NA	< 0.13	< 0.65	< 0.13	< 0.13	< 0.65	< 0.26
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.13	< 0.13	NA	NA	NA	< 0.13	NA	< 0.13	< 0.65	< 0.13	< 0.13	< 0.65	< 0.26
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.17	< 0.17	NA	NA	NA	< 0.17	NA	< 0.17	< 0.85	< 0.17	< 0.17	< 0.85	< 0.34
sec-Butylbenzene	NE	NE	< 0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.15	< 0.15	NA	NA	NA	< 0.15	NA	< 0.15	< 0.75	< 0.15	< 0.15	< 0.75	< 0.30
Styrene	10	100	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.1	< 0.1	NA	NA	NA	< 0.1	NA	< 0.1	< 0.5	< 0.1	< 0.1	< 0.50	< 0.20
tert-Butylbenzene	NE	NE	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	< 0.14	NA	NA	NA	< 0.14	NA	< 0.14	< 0.7	< 0.14	< 0.14	< 0.70	< 0.28
Tetrachloroethene	0.5	5	***1300***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***190***	***700***	NA	NA	NA	***24***	NA	***490***	***1100***	***53***	***380***	***1600***	***740***
Toluene	160	800	< 0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.34 J	< 0.11	NA	NA	NA	< 0.11	NA	< 0.11	< 0.55	< 0.11	< 0.11	< 0.55	< 0.22
trans-1,2-Dichloroethene	20	100	4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.25	< 0.25	NA	NA	NA	< 0.25	NA	< 0.25	< 1.3	< 0.25	< 0.25	< 1.3	< 0.50
Trichloroethene	0.5	5	***150***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	***7.9***	NA	NA	NA	< 0.19	NA	***5.3***	***41***	< 0.19	***4.5***	***2.7***	***11***
Vinyl chloride	0.02	0.2	***1.7***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.1	< 0.1	NA	NA	NA	< 0.1	NA	< 0.1	< 0.5	< 0.1	< 0.1	< 0.50	< 0.20
Xylenes, Total	400	2000	< 0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.068	< 0.068	NA	NA	NA	< 0.068	NA	< 0.068	< 0.34	< 0.068	< 0.068	< 0.34	< 0.14
Total PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																										
Total Dissolved Solids	NE	NE	1000	1500	2400	3000	25000	12000	42000	34000	19000	12000	8700	2400	7700	5500	1900	NA	NA	3900	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D[1]	MW-21D	MW-21D[1]	MW-21D[1]	MW-21D	MW-21D	MW-21D	MW-21D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	11/28/2012	12/12/2012	12/13/2012	12/14/2012	12/15/2012	12/16/2012	12/17/2012	12/18/2012	12/19/2012	12/27/2012	01/02/2013	01/17/2013	01/17/2013	01/30/2013	02/14/2013	02/14/2013	02/14/2013	02/28/2013	03/12/2013	04/17/2013	07/18/2013	10/10/2013	04/15/2014	10/23/2014
VOCs																									
1,1,1,2-Tetrachloroethane	7	70	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.25	NA	NA	NA	< 0.5	NA	< 0.5	< 1.3	< 1.3	< 1.3	< 1.3	< 0.25
1,1,1-Trichloroethane	40	200	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.4	NA	< 0.4	< 1	< 1	< 1	< 1.0	< 0.20
1,1,2-Trichloroethane	0.5	5	< 0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	< 0.56	NA	< 0.56	< 1.4	< 1.4	< 1.4	< 1.4	< 0.28
1,1-Dichloroethene	0.7	7	< 0.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.62	NA	< 0.62	< 1.6	< 1.6	< 1.6	< 1.6	< 0.31
1,2,4-Trimethylbenzene	96	480	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.28	NA	< 0.28	< 0.7	< 0.7	< 0.7	< 0.70	< 0.14
1,2-Dibromoethane	0.005	0.05	< 0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.36	NA	NA	NA	< 0.72	NA	< 0.72	< 1.8	< 1.8	< 1.8	< 1.8	< 0.36
1,2-Dichlorobenzene	60	600	< 0.54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.27	NA	NA	NA	< 0.54	NA	< 0.54	< 1.4	< 1.4	< 1.4	< 1.4	< 0.27
1,2-Dichloropropane	0.5	5	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.4	NA	< 0.4	< 1	< 1	< 1	< 1.0	< 0.20
1,2,3-Trichlorobenzene	NE	NE	< 0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.24	NA	NA	NA	< 0.48	NA	< 0.48	< 1.2	< 1.2	< 1.2	< 1.2	< 0.24
1,2,4-Trichlorobenzene	14	70	< 0.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.62	NA	< 0.62	< 1.6	< 1.6	< 1.6	< 1.6	< 0.31
1,3,5-Trimethylbenzene	96	480	< 0.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	< 0.36	NA	< 0.36	< 0.9	< 0.9	< 0.9	< 0.90	< 0.18
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.074	NA	NA	NA	< 0.15	NA	< 0.15	< 0.37	< 0.37	< 0.37	< 0.37	0.33 J
Bromodichloromethane	0.06	0.6	< 0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	< 0.34	NA	< 0.34	< 0.85	< 0.85	< 0.85	< 0.85	< 0.17
Bromoform	0.44	4.4	< 0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	< 0.56	NA	< 0.56	< 1.4	< 1.4	< 1.4	< 1.4	< 0.28
Bromomethane	1	10	< 0.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.62 *	NA	< 0.62	< 1.6	< 1.6	< 1.6	< 1.6	< 0.31
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.26	NA	NA	NA	< 0.52	NA	< 0.52	< 1.3	< 1.3	< 1.3	< 1.3	< 0.26
Chloroform	0.6	6	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.4	NA	< 0.4	< 1	< 1	< 1	< 1.0	***0.70 J***
Chloromethane	3	30	< 0.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	< 0.36	NA	< 0.36	< 0.9	< 0.9	< 0.9	< 0.90	< 0.18
cis-1,2-Dichloroethene	7	70	***380***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***85***	NA	NA	NA	***270***	NA	***310***	***310***	***370***	***360***	***320***	***230***
Dichlorodifluoromethane	200	1000	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.4	NA	< 0.4	< 1	< 1	< 1	< 1.0	< 0.20
Ethylbenzene	140	700	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.43 J	NA	NA	NA	< 0.26	NA	< 0.26	< 0.65	< 0.65	< 0.65	< 0.65	< 0.13
Isopropylbenzene	NE	NE	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.28	NA	< 0.28	< 0.7	< 0.7	< 0.7	< 0.70	< 0.14
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.24	NA	NA	NA	< 0.48	NA	< 0.48	< 1.2	< 1.2	< 1.2	< 1.2	< 0.24
Methylene chloride	0.5	5	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.68	NA	NA	NA	< 1.4	NA	< 1.4	< 3.4	< 3.4	< 3.4	< 3.4	< 0.68
Naphthalene	10	100	< 0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	< 0.32	NA	< 0.32	< 0.8	< 0.8	< 0.8	< 0.80	< 0.16
n-Butylbenzene	NE	NE	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	< 0.26	NA	< 0.26	< 0.65	< 0.65	< 0.65	< 0.65	< 0.13
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	< 0.26	NA	< 0.26	< 0.65	< 0.65	< 0.65	< 0.65	< 0.13
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	< 0.34	NA	< 0.34	< 0.85	< 0.85	< 0.85	< 0.85	< 0.17
sec-Butylbenzene	NE	NE	< 0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.15	NA	NA	NA	< 0.3	NA	< 0.3	< 0.75	< 0.75	< 0.75	< 0.75	< 0.15
Styrene	10	100	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.1	NA	NA	NA	< 0.2	NA	< 0.2	< 0.5	< 0.5	< 0.5	< 0.50	< 0.10
tert-Butylbenzene	NE	NE	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.28	NA	< 0.28	< 0.7	< 0.7	< 0.7	< 0.70	< 0.14
Tetrachloroethene	0.5	5	***1200***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***700***	NA	NA	NA	***1600***	NA	***1500***	***1100***	***1700***	***1600***	***1800***	***1200***
Toluene	160	800	< 0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.38 J	NA	NA	NA	< 0.22	NA	< 0.22	< 0.55	< 0.55	< 0.55	< 0.55	< 0.11
trans-1,2-Dichloroethene	20	100	5.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.25	NA	NA	NA	< 0.5	NA	2.9	< 1.3	5.2	6.2	5.0	4.1
Trichloroethene	0.5	5	***180***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***23***	NA	NA	NA	***130***	NA	***160***	***140***	***180***	***160***	***180***	***170***
Vinyl chloride	0.02	0.2	***1.4***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.1	NA	NA	NA	< 0.2	NA	< 0.2	< 0.5	< 0.5	< 0.5	***1.5 J***	***1.3***
Xylenes, Total	400	2000	< 0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5	NA	NA	NA	< 0.14	NA	< 0.14	< 0.34	< 0.34	< 0.34	< 0.34	< 0.068
Total PCBs																									
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																									
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																									
Total Dissolved Solids	NE	NE	1400	1000	8900	3000	3800	3700	2700	2000	1700	1300	1300	1200	1200	1100	1100	1100	NA	1200	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-21D2	MW-21D2	MW-21D2	MW-21D2	MW-21D2	MW-21D2	MW-21D2	MW-21D2	MW-21D2	MW-21D2	MW-21D2	MW-21D2	MW-21D2[1]	MW-21D2	MW-21D2[1]	MW-21D2[1]	MW-21D2	MW-21D2	MW-21D2	MW-21D2[1]
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	11/28/2012	12/16/2012	12/17/2012	12/18/2012	12/19/2012	12/27/2012	01/02/2013	01/17/2013	01/17/2013	01/31/2013	02/14/2013	02/14/2013	02/14/2013	02/28/2013	03/12/2013	04/17/2013	07/18/2013	10/15/2013	04/15/2014	10/23/2014
VOCs																						
1,1,1,2-Tetrachloroethane	7	70	< 1.3	NA	NA	NA	NA	NA	NA	NA	< 0.25	NA	NA	NA	< 1.3	NA	< 1.3	< 2.5	< 1.3	< 0.5	< 1.3	< 0.25
1,1,1-Trichloroethane	40	200	< 1	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 1	NA	< 1	< 2	< 1	< 0.4	< 1.0	< 0.20
1,1,2-Trichloroethane	0.5	5	< 1.4	NA	NA	NA	NA	NA	NA	NA	***1.4***	NA	NA	NA	< 1.4	NA	< 1.4	< 2.8	< 1.4	< 0.56	< 1.4	< 0.28
1,1-Dichloroethene	0.7	7	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 1.6	NA	< 1.6	< 3.1	< 1.6	< 0.62	< 1.6	< 0.31
1,2,4-Trimethylbenzene	96	480	< 0.7	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.7	NA	< 0.7	< 1.4	< 0.7	< 0.28	< 0.70	< 0.14
1,2-Dibromoethane	0.005	0.05	< 1.8	NA	NA	NA	NA	NA	NA	NA	< 0.36	NA	NA	NA	< 1.8	NA	< 1.8	< 3.6	< 1.8	< 0.72	< 1.8	< 0.36
1,2-Dichlorobenzene	60	600	< 1.4	NA	NA	NA	NA	NA	NA	NA	< 0.27	NA	NA	NA	< 1.4	NA	< 1.4	< 2.7	< 1.4	< 0.54	< 1.4	< 0.27
1,2-Dichloropropane	0.5	5	< 1	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 1	NA	< 1	< 2	< 1	< 0.4	< 1.0	< 0.20
1,2,3-Trichlorobenzene	NE	NE	< 1.2	NA	NA	NA	NA	NA	NA	NA	< 0.24	NA	NA	NA	< 1.2	NA	< 1.2	< 2.4	< 1.2	< 0.48	< 1.2	< 0.24
1,2,4-Trichlorobenzene	14	70	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 1.6	NA	< 1.6	< 3.1	< 1.6	< 0.62	< 1.6	< 0.31
1,3,5-Trimethylbenzene	96	480	< 0.9	NA	NA	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	< 0.9	NA	< 0.9	< 1.8	< 0.9	< 0.36	< 0.90	< 0.18
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.37	NA	NA	NA	NA	NA	NA	NA	0.25 J	NA	NA	NA	< 0.37	NA	< 0.37	< 0.74	< 0.37	< 0.15	< 0.37	0.24 J
Bromodichloromethane	0.06	0.6	< 0.85	NA	NA	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	< 0.85	NA	< 0.85	< 1.7	< 0.85	< 0.34	< 0.85	< 0.17
Bromoform	0.44	4.4	< 1.4	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	< 1.4	NA	< 1.4	< 2.8	< 1.4	< 0.56	< 1.4	< 0.28
Bromomethane	1	10	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 1.6 *	NA	< 1.6	< 3.1	< 1.6	< 0.62	< 1.6	< 0.31
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 1.3	NA	NA	NA	NA	NA	NA	NA	< 0.26	NA	NA	NA	< 1.3	NA	< 1.3	< 2.6	< 1.3	< 0.52	< 1.3	< 0.26
Chloroform	0.6	6	< 1	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 1	NA	< 1	< 2	< 1	< 0.4	< 1.0	***0.81 J***
Chloromethane	3	30	< 0.9	NA	NA	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	< 0.9	NA	< 0.9	< 1.8	< 0.9	< 0.36	< 0.90	< 0.18
cis-1,2-Dichloroethene	7	70	***300***	NA	NA	NA	NA	NA	NA	NA	< 0.12	NA	NA	NA	< 0.6	NA	< 0.6	***190***	***220***	***110***	***110***	1.3
Dichlorodifluoromethane	200	1000	< 1	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 1	NA	< 1	< 2	< 1	< 0.4	< 1.0	< 0.20
Ethylbenzene	140	700	< 0.65	NA	NA	NA	NA	NA	NA	NA	0.62	NA	NA	NA	< 0.65	NA	< 0.65	< 1.3	< 0.65	< 0.26	< 0.65	< 0.13
Isopropylbenzene	NE	NE	< 0.7	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.7	NA	< 0.7	< 1.4	< 0.7	< 0.28	< 0.70	< 0.14
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 1.2	NA	NA	NA	NA	NA	NA	NA	< 0.24	NA	NA	NA	< 1.2	NA	< 1.2	< 2.4	< 1.2	< 0.48	< 1.2	< 0.24
Methylene chloride	0.5	5	< 3.4	NA	NA	NA	NA	NA	NA	NA	< 0.68	NA	NA	NA	< 3.4	NA	< 3.4	< 6.8	< 3.4	< 1.4	< 3.4	< 0.68
Naphthalene	10	100	< 0.8	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	< 0.8	NA	< 0.8	< 1.6	< 0.8	< 0.32	< 0.80	< 0.16
n-Butylbenzene	NE	NE	< 0.65	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	< 0.65	NA	< 0.65	< 1.3	< 0.65	< 0.26	< 0.65	< 0.13
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.65	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	< 0.65	NA	< 0.65	< 1.3	< 0.65	< 0.26	< 0.65	< 0.13
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.85	NA	NA	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	< 0.85	NA	< 0.85	< 1.7	< 0.85	< 0.34	< 0.85	< 0.17
sec-Butylbenzene	NE	NE	< 0.75	NA	NA	NA	NA	NA	NA	NA	< 0.15	NA	NA	NA	< 0.75	NA	< 0.75	< 1.5	< 0.75	< 0.3	< 0.75	< 0.15
Styrene	10	100	< 0.5	NA	NA	NA	NA	NA	NA	NA	< 0.1	NA	NA	NA	< 0.5	NA	< 0.5	< 1	< 0.5	< 0.2	< 0.50	< 0.10
tert-Butylbenzene	NE	NE	< 0.7	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.7	NA	< 0.7	< 1.4	< 0.7	< 0.28	< 0.70	< 0.14
Tetrachloroethene	0.5	5	***2600***	NA	NA	NA	NA	NA	NA	NA	***1200***	NA	NA	NA	***3900***	NA	***2200***	***3500***	***2500***	***1500***	***1900***	***930***
Toluene	160	800	< 0.55	NA	NA	NA	NA	NA	NA	NA	0.48 J	NA	NA	NA	< 0.55	NA	< 0.55	< 1.1	< 0.55	< 0.22	< 0.55	< 0.11
trans-1,2-Dichloroethene	20	100	2.7 J	NA	NA	NA	NA	NA	NA	NA	< 0.25	NA	NA	NA	< 1.3	NA	< 1.3	< 2.5	< 1.3	< 0.5	< 1.3	< 0.25
Trichloroethene	0.5	5	***160***	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	NA	NA	***11***	NA	***14***	***150***	***210***	***120***	***130***	***3.3***
Vinyl chloride	0.02	0.2	< 0.5	NA	NA	NA	NA	NA	NA	NA	< 0.1	NA	NA	NA	< 0.5	NA	< 0.5	< 1	< 0.5	< 0.2	< 0.50	< 0.10
Xylenes, Total	400	2000	< 0.34	NA	NA	NA	NA	NA	NA	NA	4.3	NA	NA	NA	< 0.34	NA	< 0.34	< 0.68	< 0.34	< 0.14	< 0.34	< 0.068
Total PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																						
Total Dissolved Solids	NE	NE	1100	950	930	910	920	1000	1100	1900	1800	4000	1200	1700	NA	3900	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S[3]
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/15/2013	03/07/2013	04/19/2013	07/16/2013	10/10/2013	04/18/2014	10/20/2014	04/09/2015	10/20/2015	10/14/2016	10/06/2017	10/06/2017
VOCs														
1,1,1,2-Tetrachloroethane	7	70	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1	< 0.1
1,1,2-Trichloroethane	0.5	5	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.1	< 0.1
1,1-Dichloroethene	0.7	7	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	0.14 J
1,2,4-Trimethylbenzene	96	480	0.86 J	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.06	< 0.06
1,2-Dibromoethane	0.005	0.05	< 0.36	NA	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.27	NA	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	0.11 J	0.11 J
1,2-Dichloropropane	0.5	5	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1	< 0.1
1,2,3-Trichlorobenzene	NE	NE	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	0.08 BJ	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3	< 3
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	11 J
Benzene	0.5	5	***1.1***	NA	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077
Bromoform	0.44	4.4	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088
Bromomethane	1	10	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	< 0.053
Carbon tetrachloride	0.5	5	< 0.26	NA	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038
Chloroform	0.6	6	***1***	NA	***0.91 J***	***1.4***	< 0.2	< 0.20	***0.75 J***	< 0.20	***0.66 J***	***0.91***	0.5	0.49 J
Chloromethane	3	30	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	0.72 J	***3***	***5.2***
cis-1,2-Dichloroethene	7	70	1.8	NA	6.1	3.8	***97***	***46***	***58***	***65***	***32***	***46***	***38 J-***	***37***
Dichlorodifluoromethane	200	1000	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	< 0.11
Ethylbenzene	140	700	0.50	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057
Methyl tert-butyl ether	12	60	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24 *	< 0.24	< 0.39	< 0.14	< 0.14	< 0.14
Methylene chloride	0.5	5	< 0.68	NA	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.14	< 0.14	< 0.14
Naphthalene	10	100	< 0.16	NA	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.088
n-Butylbenzene	NE	NE	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.1	< 0.1
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.15	NA	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13
Styrene	10	100	< 0.1	NA	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 0.065	< 0.065
tert-Butylbenzene	NE	NE	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12
Tetrachloroethene	0.5	5	***180***	NA	***160***	***210***	***13***	***23***	***61***	***17***	***30***	***18***	***24 BJ***	***23 B***
Toluene	160	800	1.7	NA	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	0.12 J	< 0.053	< 0.053
trans-1,2-Dichloroethene	20	100	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	0.36 J	0.49 J	0.46 J
Trichloroethene	0.5	5	***4.8***	NA	***5.4***	***8.5***	***6.1***	***4.2***	***7.1***	***2.9***	***4.1***	***9.8***	***9.4***	***9.1***
Vinyl chloride	0.02	0.2	< 0.1	NA	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	***0.40 J***	***0.85***	***0.8***
Xylenes, Total	400	2000	1.5	NA	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.12	< 0.12
Total PCBs														
Aroclor-1016	0.003	0.03	***12***	< 0.033	***4***	< 0.064	< 0.064	< 0.065	NA	NA	NA	NA	< 0.035	< 0.035
Aroclor-1232	0.003	0.03	< 0.49	***13***	< 0.19	< 0.19	***12***	< 0.20	NA	NA	NA	NA	< 0.037	< 0.037
Aroclor-1242	0.003	0.03	< 0.69	< 0.099	< 0.19	***4.7***	< 0.19	***7.1***	NA	NA	NA	NA	< 0.038	< 0.038
Aroclor-1248	0.003	0.03	< 0.58	< 0.099	< 0.19	< 0.19	< 0.19	< 0.20	NA	NA	NA	NA	***2***	***1.9***
Total Detected PCBs	0.003	0.03	***12***	***13***	***4***	***4.7***	***12***	***7.1***	NA	NA	NA	NA	***2***	***1.9***
Dissolved PCBs														
Aroclor-1016	0.003	0.03	NA	< 0.037	< 0.068	< 0.065	< 0.063	< 0.067	***0.89***	< 0.063	< 0.064	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	< 0.11	< 0.2	< 0.19	< 0.19	< 0.20	< 0.19	< 0.19	< 0.19	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	< 0.11	< 0.2	< 0.19	< 0.19	***0.28 J***	< 0.19	***1.9***	< 0.19	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	< 0.11	< 0.2	< 0.19	< 0.19	< 0.20	< 0.19	< 0.19	< 0.19	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	ND	ND	ND	ND	***0.28 J***	***0.89***	***1.9***	ND	NA	NA	NA
Solids														
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	806	830	838
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.0	1.2 J	< 0.95

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-22D	MW-22D[3]	MW-22D	MW-22D	MW-22D[3]	MW-22D	MW-22D[3]	MW-22D	MW-22D[3]	MW-22D	MW-22D[3]	MW-22D	MW-22D[3]	MW-22D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/15/2013	01/15/2013	03/08/2013	04/19/2013	04/19/2013	07/16/2013	07/16/2013	10/10/2013	10/10/2013	04/18/2014	04/18/2014	10/16/2014	10/16/2014	04/09/2015
VOCs																
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	NA	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	NA	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.074	< 0.074	NA	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	0.47 J
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Bromoform	0.44	4.4	< 0.28	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Bromomethane	1	10	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	NA	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Chloroform	0.6	6	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Chloromethane	3	30	0.47 J	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
cis-1,2-Dichloroethene	7	70	3.6	3.3	NA	4.9	4.9	3.7	3.7	< 0.12	4.0	2.6	2.5	4.2	4.9	4.2
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	140	700	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Isopropylbenzene	NE	NE	< 0.14	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Methylene chloride	0.5	5	< 0.68	< 0.68	NA	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	***6.6***	***7.1***	< 0.68
Naphthalene	10	100	< 0.16	< 0.16	NA	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
n-Butylbenzene	NE	NE	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	NA	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Styrene	10	100	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Tetrachloroethene	0.5	5	***520***	***470***	NA	***450***	***430***	***270***	***310***	***190***	***190***	***430***	***450***	***250***	***270***	***170***
Toluene	160	800	< 0.11	< 0.11	NA	< 0.11	< 0.11	0.37 J	0.38 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Trichloroethene	0.5	5	***5.8***	***6***	NA	***5.8***	***5.7***	***5***	***5.3***	***4.9***	***5.3***	***6.8***	***6.7***	***5.7***	***6.9***	***5.6***
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	***0.92***	< 0.10	< 0.10	***0.68***	***0.66***	***0.62***
Xylenes, Total	400	2000	< 0.068	< 0.068	NA	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068
Total PCBs																
Aroclor-1016	0.003	0.03	***2.4***	NA	< 0.033	< 0.064	NA	< 0.063	NA	< 0.063	NA	< 0.065	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	< 0.092	NA	***2.6***	< 0.19	NA	< 0.19	NA	***3.3***	NA	< 0.19	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	< 0.13	NA	< 0.1	< 0.19	NA	***0.97***	NA	< 0.19	NA	< 0.19	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	< 0.11	NA	< 0.1	< 0.19	NA	< 0.19	NA	< 0.19	NA	< 0.19	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	***2.4***	NA	***2.6***	ND	NA	***0.97***	NA	***3.3***	NA	ND	NA	NA	NA	NA
Dissolved PCBs																
Aroclor-1016	0.003	0.03	NA	NA	< 0.033	< 0.064	NA	< 0.064	NA	< 0.065	NA	< 0.066	NA	< 0.063	NA	< 0.063
Aroclor-1232	0.003	0.03	NA	NA	< 0.1	< 0.19	NA	< 0.19	NA	< 0.19	NA	< 0.20	NA	< 0.19	NA	< 0.19
Aroclor-1242	0.003	0.03	NA	NA	< 0.1	< 0.19	NA	< 0.19	NA	< 0.19	NA	< 0.20	NA	< 0.19	NA	***4.3***
Aroclor-1248	0.003	0.03	NA	NA	< 0.1	< 0.19	NA	< 0.19	NA	< 0.19	NA	< 0.20	NA	< 0.19	NA	< 0.19
Total Detected PCBs	0.003	0.03	NA	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	***4.3***
Solids																
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-22D[3]	MW-22D	MW-22D	MW-22D	MW-22D[3]	MW-22D	MW-22D	MW-22D	MW-22D	MW-22D	MW-22D	MW-22D	MW-22D[3]
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/09/2015	06/10/2015	07/20/2015	10/20/2015	10/20/2015	01/22/2016	04/21/2016	07/20/2016	10/14/2016	1/20/2017	04/11/2017	10/06/2017	10/06/2017
VOCs															
1,1,1,2-Tetrachloroethane	7	70	< 0.25	NA	NA	< 0.46	< 0.46	< 0.11	< 2.2	< 0.55	< 0.44	< 0.55	< 0.55	< 0.55	< 0.55
1,1,1-Trichloroethane	40	200	< 0.20	NA	NA	< 0.38	< 0.38	< 0.10	< 2.0	< 0.50	< 0.40	< 0.50	< 0.50	< 0.5	< 0.5
1,1,2-Trichloroethane	0.5	5	< 0.28	NA	NA	< 0.35	< 0.35	< 0.10	< 2.0	< 0.50	< 0.40	< 0.50	< 0.50	< 0.5	< 0.5
1,1-Dichloroethene	0.7	7	< 0.31	NA	NA	< 0.39	< 0.39	< 0.14	< 2.8	< 0.70	< 0.56	< 0.70	< 0.70	< 0.7	< 0.7
1,2,4-Trimethylbenzene	96	480	< 0.14	NA	NA	< 0.36	< 0.36	< 0.060	< 1.2	< 0.30	< 0.24	< 0.30	< 0.30	< 0.3	< 0.3
1,2-Dibromoethane	0.005	0.05	< 0.36	NA	NA	< 0.39	< 0.39	< 0.13	< 2.6	< 0.65	< 0.52	< 0.65	< 0.65	< 0.65	< 0.65
1,2-Dichlorobenzene	60	600	< 0.27	NA	NA	< 0.33	< 0.33	< 0.076	< 1.5	< 0.38	< 0.30	< 0.38	< 0.38	< 0.38	< 0.38
1,2-Dichloropropane	0.5	5	< 0.20	NA	NA	< 0.43	< 0.43	< 0.10	< 2.0	< 0.50	< 0.40	< 0.50	< 0.50	< 0.5	< 0.5
1,2,3-Trichlorobenzene	NE	NE	< 0.24	NA	NA	< 0.46	< 0.46	< 0.045	< 0.90	< 0.23	< 0.18	< 0.23	< 0.23	< 0.23	< 0.23
1,2,4-Trichlorobenzene	14	70	< 0.31	NA	NA	< 0.34	< 0.34	< 0.077	< 1.5	< 0.39	< 0.31	< 0.39	< 0.39	< 0.39	< 0.39
1,3,5-Trimethylbenzene	96	480	< 0.18	NA	NA	< 0.25	< 0.25	< 0.075	< 1.5	< 0.38	< 0.30	< 0.38	< 0.38	< 0.38	< 0.38
2-Butanone	800	4000	NA	NA	NA	NA	NA	< 3.0	< 60	< 15	< 12	< 15	< 15	< 15	< 15
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	< 0.95	< 19	< 4.8	< 3.8	< 4.8	< 4.8	< 4.8	< 4.8
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	< 0.77	< 15	< 3.9	< 3.1	< 3.9	< 3.9	< 3.9	< 3.9
Acetone	1800	9000	NA	NA	NA	NA	NA	< 3.4	< 68	< 17	< 14	< 17	38 BJ	< 17	< 17
Benzene	0.5	5	< 0.074	NA	NA	< 0.15	< 0.15	< 0.089	< 1.8	< 0.45	< 0.36	< 0.45	***0.80 J***	< 0.45	< 0.45
Bromodichloromethane	0.06	0.6	< 0.17	NA	NA	< 0.37	< 0.37	< 0.077	< 1.5	< 0.39	< 0.31	< 0.39	< 0.39	< 0.39	< 0.39
Bromoform	0.44	4.4	< 0.28	NA	NA	< 0.48	< 0.48	< 0.088	< 1.8	< 0.44	< 0.35	< 0.44	< 0.44	< 0.44	< 0.44
Bromomethane	1	10	< 0.31	NA	NA	< 0.80	< 0.80	< 0.59	< 12	< 3.0	< 2.4	< 3.0	< 3.0	< 3	< 3
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	< 0.053	9.2 J	< 0.27	< 0.21	< 0.27	2.3 J	< 0.27	< 0.27
Carbon tetrachloride	0.5	5	< 0.26	NA	NA	< 0.38	< 0.38	< 0.038	< 0.76	< 0.19	< 0.15	< 0.19	< 0.19	< 0.19	< 0.19
Chloroform	0.6	6	< 0.20	NA	NA	< 0.37	< 0.37	0.36 J	***2.4 BJ***	< 0.31	< 0.25	0.40 BJ	***1.1 J***	< 0.31	< 0.31
Chloromethane	3	30	< 0.18	NA	NA	< 0.32	< 0.32	< 0.16	< 3.2	< 0.80	***3.4 J***	< 0.80	2.8 J+	< 0.8	***4.9 J***
cis-1,2-Dichloroethene	7	70	4.4	NA	NA	4.0	3.9	3.9	3.6 J	3.8	5.6	***14***	***26***	***47***	***47***
Dichlorodifluoromethane	200	1000	< 0.20	NA	NA	< 0.54	< 0.54	< 0.11	< 2.2	< 0.55	< 0.44	< 0.55	< 0.55	< 0.55	< 0.55
Ethylbenzene	140	700	< 0.13	NA	NA	< 0.18	< 0.18	< 0.054	< 1.1	< 0.27	< 0.22	< 0.27	< 0.27	< 0.27	< 0.27
Isopropylbenzene	NE	NE	< 0.14	NA	NA	< 0.39	< 0.39	< 0.081	< 1.6	< 0.41	< 0.32	< 0.41	< 0.41	< 0.41	< 0.41
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	< 0.057	< 1.1	< 0.29	< 0.23	< 0.29	< 0.29	< 0.29	< 0.29
Methyl tert-butyl ether	12	60	< 0.24	NA	NA	< 0.39	< 0.39	< 0.14	< 2.8	< 0.70	< 0.56	< 0.70	< 0.70	< 0.7	< 0.7
Methylene chloride	0.5	5	< 0.68	NA	NA	< 1.6	< 1.6	< 0.14	< 2.8	< 0.70	< 0.56	***1.3 BJ***	< 0.70	< 0.7	< 0.7
Naphthalene	10	100	< 0.16	NA	NA	< 0.34	< 0.34	< 0.088	< 1.8	< 0.44	< 0.35	< 0.44	1.6 BJ	< 0.44	< 0.44
n-Butylbenzene	NE	NE	< 0.13	NA	NA	< 0.39	< 0.39	< 0.14	< 2.8	< 0.70	< 0.56	< 0.70	< 0.70	< 0.7	< 0.7
n-Hexane	120	600	NA	NA	NA	NA	NA	< 0.21	< 4.2	< 1.1	< 0.84	< 1.1	< 1.1	< 1.1	< 1.1
n-Propylbenzene	NE	NE	< 0.13	NA	NA	< 0.41	< 0.41	< 0.10	< 2.0	< 0.50	< 0.40	< 0.50	< 0.50	< 0.5	< 0.5
o-Xylene	400	2000	NA	NA	NA	NA	NA	< 0.058	< 1.2	< 0.29	< 0.23	< 0.29	< 0.29	< 0.29	< 0.29
p-Isopropyltoluene	NE	NE	< 0.17	NA	NA	< 0.36	< 0.36	< 0.085	< 1.7	< 0.43	< 0.34	< 0.43	< 0.43	< 0.43	< 0.43
sec-Butylbenzene	NE	NE	< 0.15	NA	NA	< 0.40	< 0.40	< 0.13	< 2.6	< 0.65	< 0.52	< 0.65	< 0.65	< 0.65	< 0.65
Styrene	10	100	< 0.10	NA	NA	< 0.39	< 0.39	< 0.065	< 1.3	< 0.33	< 0.26	< 0.33	< 0.33	< 0.33	0.35 BJ
tert-Butylbenzene	NE	NE	< 0.14	NA	NA	< 0.40	< 0.40	< 0.12	< 2.4	< 0.60	< 0.48	< 0.60	< 0.60	< 0.6	< 0.6
Tetrachloroethene	0.5	5	***190***	NA	NA	***140***	***160***	***220***	***140***	***130***	***92***	***120***	***120***	***120 B***	***120 B***
Toluene	160	800	< 0.11	NA	NA	< 0.15	< 0.15	< 0.053	< 1.1	< 0.27	0.48 J	0.50 BJ	0.80 J	< 0.27	< 0.27
trans-1,2-Dichloroethene	20	100	< 0.25	NA	NA	< 0.35	< 0.35	0.23 J	< 2.2	< 0.55	< 0.44	0.70 J	1.3 J	2.3 J	2.5 J
Trichloroethene	0.5	5	***5.7***	NA	NA	***5.4***	***5.7***	***6.1***	***5.6 J***	***5.7***	***4.4***	***5.2 B***	***6.3***	***9.4***	***9.4***
Vinyl chloride	0.02	0.2	< 0.10	NA	NA	***0.66***	***0.74***	< 0.16	< 3.2	***0.85 J***	***2.2***	***4.3***	***6.5 J+***	***10***	***11***
Xylenes, Total	400	2000	< 0.068	NA	NA	< 0.22	< 0.22	< 0.058	< 1.2	< 0.29	< 0.23	< 0.58	< 0.58	< 0.58	< 0.58
Total PCBs															
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.035	< 0.035
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.037	< 0.037
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.038	< 0.038
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***0.3***	***0.31***
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***0.3***	***0.31***
Dissolved PCBs															
Aroclor-1016	0.003	0.03	NA	< 0.066	< 0.062	< 0.069	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	< 0.20	< 0.19	< 0.21	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	< 0.20	< 0.19	< 0.21	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	< 0.20	< 0.19	< 0.21	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids															
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	892	890
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S[3]	MW-23S	MW-23S[3]
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/15/2013	04/19/2013	07/16/2013	09/05/2013	09/05/2013	10/10/2013	04/18/2014	10/20/2014	04/09/2015	10/20/2015	10/14/2016	10/14/2016	10/06/2017	10/06/2017
VOCs																	
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.44	< 0.22	< 0.22	< 0.55
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.2	NA	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.40	< 0.20	< 0.2	< 0.5
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	NA	***1.8***	< 0.28	< 0.28	< 0.28	< 0.35	< 0.40	< 0.20	< 0.2	< 0.5
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.56	< 0.28	< 0.28	< 0.7
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.24	< 0.12	< 0.12	< 0.3
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.36	NA	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.52	< 0.26	< 0.26	< 0.65
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.27	NA	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.30	< 0.15	< 0.15	< 0.38
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.2	NA	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.40	< 0.20	< 0.2	< 0.5
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.18	< 0.090	< 0.09	< 0.23
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.31	< 0.15	< 0.15	< 0.39
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.30	< 0.15	< 0.15	< 0.38
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 12	< 6.0	< 6	< 15
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.8	< 1.9	< 1.9	< 4.8
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.1	< 1.5	< 1.5	< 3.9
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 14	< 6.8	14 J	< 17
Benzene	0.5	5	***0.73***	< 0.074	< 0.074	< 0.074	NA	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.36	< 0.18	< 0.18	< 0.45
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.31	< 0.15	< 0.15	< 0.39
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.35	< 0.18	< 0.18	< 0.44
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.80	< 2.4	< 1.2	< 1.2	< 3
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.11	< 0.11	< 0.27
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.26	NA	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.15	< 0.076	< 0.076	< 0.19
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.2	NA	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.25	< 0.12	< 0.12	< 0.31
Chloromethane	3	30	1.2	< 0.18	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	2.3 BJ	0.86 J	0.92 J	2.7 J
cis-1,2-Dichloroethene	7	70	< 0.12	3.7	***29***	***27***	NA	***16***	***16***	***19***	***20***	***9.6***	***12***	***15***	***33***	***33***
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2	< 0.2	NA	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.44	< 0.22	< 0.22	< 0.55
Ethylbenzene	140	700	0.43 J	< 0.13	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.22	< 0.11	< 0.11	< 0.27
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.32	< 0.16	< 0.16	< 0.41
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.23	< 0.11	< 0.11	< 0.29
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.56	< 0.28	< 0.28	< 0.7
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 0.68	NA	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.56	< 0.28	< 0.28	< 0.7
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.35	< 0.18	< 0.18	0.45 BJ
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.56	< 0.28	< 0.28	< 0.7
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.84	< 0.42	< 0.42	< 1.1
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.40	< 0.20	< 0.2	< 0.5
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.23	< 0.12	< 0.12	< 0.29
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.34	< 0.17	< 0.17	< 0.43
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.15	NA	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.52	< 0.26	< 0.26	< 0.65
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.1	NA	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.26	< 0.13	< 0.13	0.35 BJ
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.48	< 0.24	< 0.24	< 0.6
Tetrachloroethene	0.5	5	***290***	***580***	***420***	***240***	NA	***130***	***210***	***190***	***190***	***360***	***66***	***88***	***120 B***	***120 B***
Toluene	160	800	1.3	< 0.11	< 0.11	< 0.11	NA	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	< 0.21	< 0.11	< 0.11	< 0.27
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.25	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.44	< 0.22	< 0.22	< 0.55
Trichloroethene	0.5	5	***0.64***	***1.4***	***20***	***17***	NA	***15***	***11***	***11***	***10***	***5.9***	***7.2***	***9.1***	***7.8***	***7.6***
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.1	< 0.1	NA	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.64	< 0.32	< 0.32	< 0.8
Xylenes, Total	400	2000	0.95 J	< 0.068	< 0.068	< 0.068	NA	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.23	< 0.12	< 0.23	< 0.58
Total PCBs																	
Aroclor-1016	0.003	0.03	< 0.19	NA	< 0.063	< 0.028	NA	< 0.066	NA	NA	NA	NA	NA	NA	< 0.035	< 0.035
Aroclor-1232	0.003	0.03	< 0.11	NA	< 0.19	< 0.083	NA	< 0.2	NA	NA	NA	NA	NA	NA	< 0.037	< 0.037
Aroclor-1242	0.003	0.03	< 0.15	NA	< 0.19	< 0.083	NA	< 0.2	NA	NA	NA	NA	NA	NA	< 0.038	< 0.038
Aroclor-1248	0.003	0.03	< 0.13	NA	< 0.19	< 0.083	NA	< 0.2	NA	NA	NA	NA	NA	NA	***0.034 J***	< 0.02
Total Detected PCBs	0.003	0.03	ND	NA	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	***0.034 J***	ND
Dissolved PCBs																	
Aroclor-1016	0.003	0.03	NA	NA	< 0.063	NA	< 0.026	< 0.064	NA	< 0.063	< 0.063	< 0.063	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	< 0.19	NA	< 0.078	< 0.19	NA	< 0.19	< 0.19	< 0.19	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	< 0.19	NA	< 0.078	< 0.19	NA	< 0.19	< 0.19	< 0.19	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	< 0.19	NA	< 0.078	< 0.19	NA	< 0.19	< 0.19	< 0.19	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	ND	NA	ND	ND	NA	ND	ND	ND	NA	NA	NA	NA
Solids																	
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	478	NA	656	644
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.8	NA	16.8	18

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D[3]	MW-23D	MW-23D[3]
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/14/2013	03/08/2013	04/19/2013	04/20/2013	07/17/2013	10/10/2013	04/18/2014	10/20/2014	04/09/2015	10/20/2015	01/22/2016	04/21/2016	07/20/2016	10/14/2016	1/20/2017	04/11/2017	04/11/2017	10/06/2017	10/06/2017
VOCs																					
1,1,1,2-Tetrachloroethane	7	70	< 0.25	NA	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 2.2	< 0.55	< 0.11	< 1.1	< 1.1	< 0.11	< 0.55	< 0.55
1,1,1-Trichloroethane	40	200	< 0.2	NA	< 0.2	NA	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 2.0	< 0.50	< 0.10	< 1.0	< 1.0	< 0.10	< 0.5	< 0.5
1,1,2-Trichloroethane	0.5	5	< 0.28	NA	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 2.0	< 0.50	< 0.10	< 1.0	< 1.0	< 0.10	< 0.5	< 0.5
1,1-Dichloroethene	0.7	7	< 0.31	NA	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 2.8	< 0.70	< 0.14	< 1.4	< 1.4	< 0.14	< 0.7	< 0.7
1,2,4-Trimethylbenzene	96	480	< 0.14	NA	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 1.2	< 0.30	< 0.060	< 0.60	< 0.60	< 0.060	< 0.3	< 0.3
1,2-Dibromoethane	0.005	0.05	< 0.36	NA	< 0.36	NA	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 2.6	< 0.65	< 0.13	< 1.3	< 1.3	< 0.13	< 0.65	< 0.65
1,2-Dichlorobenzene	60	600	< 0.27	NA	< 0.27	NA	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 1.5	< 0.38	< 0.076	< 0.76	< 0.76	< 0.076	< 0.38	< 0.38
1,2-Dichloropropane	0.5	5	< 0.2	NA	< 0.2	NA	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 2.0	< 0.50	< 0.10	< 1.0	< 1.0	< 0.10	< 0.5	< 0.5
1,2,3-Trichlorobenzene	NE	NE	< 0.24	NA	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.90	< 0.23	< 0.045	< 0.45	< 0.45	< 0.045	< 0.23	< 0.23
1,2,4-Trichlorobenzene	14	70	< 0.31	NA	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 1.5	< 0.39	< 0.077	< 0.77	< 0.77	< 0.077	< 0.39	< 0.39
1,3,5-Trimethylbenzene	96	480	< 0.18	NA	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 1.5	< 0.38	< 0.075	< 0.75	< 0.75	< 0.075	< 0.38	< 0.38
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 60	< 15	< 3.0	< 30	< 30	< 3.0	< 15	< 15
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 19	< 4.8	< 0.95	< 9.5	< 9.5	< 0.95	< 4.8	< 4.8
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 15	< 3.9	< 0.77	< 7.7	< 7.7	< 0.77	< 3.9	< 3.9
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 68	< 17	< 3.4	< 34	< 34	9.6 BJ	< 17	< 17
Benzene	0.5	5	0.32 J	NA	< 0.074	NA	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 1.8	< 0.45	< 0.089	< 0.89	< 0.89	< 0.089	< 0.45	< 0.45
Bromodichloromethane	0.06	0.6	< 0.17	NA	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 1.5	< 0.39	< 0.077	***1.1 BJ***	< 0.77	< 0.077	< 0.39	< 0.39
Bromoform	0.44	4.4	< 0.28	NA	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 1.8	< 0.44	< 0.088	< 0.88	< 0.88	< 0.088	< 0.44	< 0.44
Bromomethane	1	10	< 0.31	NA	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.80	< 0.59	< 12	< 3.0	< 0.59	< 5.9	< 5.9	< 0.59	< 3	< 3
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 1.1	< 0.27	< 0.053	1.4 J	< 0.53	< 0.053	< 0.27	< 0.27
Carbon tetrachloride	0.5	5	< 0.26	NA	< 0.26	NA	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.76	< 0.19	< 0.038	< 0.38	< 0.38	< 0.038	< 0.19	< 0.19
Chloroform	0.6	6	< 0.2	NA	< 0.2	NA	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	***2.2 BJ***	< 0.31	< 0.062	***1.1 BJ***	***1.1 J***	< 0.062	< 0.31	< 0.31
Chloromethane	3	30	< 0.18	NA	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	< 3.2	< 0.80	< 0.16	***3.2 BJ***	< 1.6	< 0.16	1.5 J	***4.3 J***
cis-1,2-Dichloroethene	7	70	< 0.12	NA	< 0.12	NA	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.41	< 0.11	< 2.2	< 0.55	< 0.11	< 1.1	< 1.1	< 0.11	< 0.55	< 0.55
Dichlorodifluoromethane	200	1000	< 0.2	NA	< 0.2	NA	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	0.27 J	< 2.2	< 0.55	< 0.11	< 1.1	< 1.1	< 0.11	< 0.55	< 0.55
Ethylbenzene	140	700	0.20 J	NA	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 1.1	< 0.27	< 0.054	< 0.54	< 0.54	< 0.054	< 0.27	< 0.27
Isopropylbenzene	NE	NE	< 0.14	NA	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 1.6	< 0.41	< 0.081	< 0.81	< 0.81	< 0.081	< 0.41	< 0.41
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 1.1	< 0.29	< 0.057	< 0.57	< 0.57	< 0.057	< 0.29	< 0.29
Methyl tert-butyl ether	12	60	< 0.24	NA	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 2.8	< 0.70	< 0.14	< 1.4	< 1.4	< 0.14	< 0.7	< 0.7
Methylene chloride	0.5	5	< 0.68	NA	< 0.68	NA	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	***0.57 J***	< 2.8	< 0.70	< 0.14	***1.8 BJ***	< 1.4	< 0.14	< 0.7	< 0.7
Naphthalene	10	100	< 0.16	NA	< 0.16	NA	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 1.8	< 0.44	< 0.088	< 0.88	< 0.88	< 0.088	< 0.44	< 0.44
n-Butylbenzene	NE	NE	< 0.13	NA	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 2.8	< 0.70	< 0.14	< 1.4	< 1.4	< 0.14	< 0.7	< 0.7
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 4.2	< 1.1	< 0.21	< 2.1	< 2.1	< 0.21	< 1.1	< 1.1
n-Propylbenzene	NE	NE	< 0.13	NA	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 2.0	< 0.50	< 0.10	< 1.0	< 1.0	< 0.10	< 0.5	< 0.5
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 1.2	< 0.29	< 0.058	< 0.58	< 0.58	< 0.058	< 0.29	< 0.29
p-Isopropyltoluene	NE	NE	< 0.17	NA	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 1.7	< 0.43	< 0.085	< 0.85	< 0.85	< 0.085	< 0.43	< 0.43
sec-Butylbenzene	NE	NE	< 0.15	NA	< 0.15	NA	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 2.6	< 0.65	< 0.13	< 1.3	< 1.3	< 0.13	< 0.65	< 0.65
Styrene	10	100	< 0.1	NA	< 0.1	NA	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 1.3	< 0.33	< 0.065	< 0.65	< 0.65	< 0.065	0.45 J	< 0.33
tert-Butylbenzene	NE	NE	< 0.14	NA	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 2.4	< 0.60	< 0.12	< 1.2	< 1.2	< 0.12	< 0.6	< 0.6
Tetrachloroethene	0.5	5	***100***	NA	***86***	NA	***170***	***160***	***190***	***190***	***220***	***84***	***170***	***130***	***160***	***160***	***140***	***140***	***140***	***130 B***	***130 B***
Toluene	160	800	0.60	NA	< 0.11	NA	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	< 0.053	< 1.1	< 0.27	< 0.053	1.6 BJ	< 0.53	< 0.053	< 0.27	< 0.27
trans-1,2-Dichloroethene	20	100	< 0.25	NA	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 2.2	< 0.55	< 0.11	< 1.1	< 1.1	< 0.11	< 0.55	< 0.55
Trichloroethene	0.5	5	< 0.19	NA	***0.53***	NA	0.21 J	< 0.19	< 0.19	0.27 J	< 0.19	< 0.16	0.22 J	< 1.2	< 0.31	0.19 J	< 0.62	< 0.62	0.16 J	< 0.31	< 0.31
Vinyl chloride	0.02	0.2	< 0.1	NA	< 0.1	NA	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 3.2	< 0.80	< 0.16	< 1.6	< 1.6	< 0.16	< 0.8	< 0.8
Xylenes, Total	400	2000	0.68 J	NA	< 0.068	NA	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 1.2	< 0.29	< 0.058	< 1.2	< 1.2	< 0.12	< 0.58	< 0.58
Total PCBs																					
Aroclor-1016	0.003	0.03	< 0.16	< 0.034	NA	< 0.065	< 0.067	< 0.064	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.035	< 0.035
Aroclor-1232	0.003	0.03	< 0.089	< 0.1	NA	< 0.19	< 0.2	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.037	< 0.037
Aroclor-1242	0.003	0.03	***0.24 J***	< 0.1	NA	< 0.19	< 0.2	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.038	< 0.038
Aroclor-1248	0.003	0.03	< 0.11	< 0.1	NA	< 0.19	< 0.2	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.02	< 0.02
Total Detected PCBs	0.003	0.03	***0.24 J***	ND	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
Dissolved PCBs																					
Aroclor-1016	0.003	0.03	NA	< 0.034	NA	< 0.066	< 0.068	< 0.065	NA	< 0.063	< 0.063	< 0.065	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	< 0.1	NA	< 0.2	< 0.2	< 0.19	NA	< 0.19	< 0.19	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	< 0.1	NA	< 0.2	< 0.2	< 0.19	NA	< 0.19	< 0.19	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	< 0.1	NA	< 0.2	< 0.2	< 0.19	NA	< 0.19	< 0.19	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																					
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	524	534
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	MW-25D	MW-25D[3]	MW-25D	MW-25D	MW-25D	MW-25D	MW-25D	MW-25D	MW-25D	MW-25D	MW-25D	MW-25D	MW-25D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	30 - 40 ft	30 - 40 ft	30 - 40 ft	30 - 40 ft	30 - 40 ft	30 - 40 ft	30 - 40 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/29/2013	07/19/2013	10/08/2013	04/17/2014	10/14/2014	10/09/2017	04/05/2018	05/06/2013	05/06/2013	07/19/2013	10/09/2013	04/21/2014	07/09/2014	08/26/2014	10/20/2014	01/28/2015	04/10/2015	07/21/2015	10/19/2015	10/11/2016	10/03/2017
VOCs																							
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.1
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.06
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	NA	NA	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	NA	NA	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4
Benzene	0.5	5	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	NA	NA	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	NA	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NA	NA	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	0.08 J
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	0.37 BJ	0.82 J+
cis-1,2-Dichloroethene	7	70	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	NA	NA	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.41	< 0.11	< 0.11
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11
Ethylbenzene	140	700	< 0.13	0.31 J	< 0.13	< 0.13	< 0.13	NA	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	0.35 J	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	0.06 BJ
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	NA	NA	< 0.68	< 0.68	< 0.68	***5.3***	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	0.23 J	***0.51 J***
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16 *	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.1
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	NA	NA	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	NA	NA	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	0.07 BJ
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12
Tetrachloroethene	0.5	5	***3***	***3***	***3.3***	***2.8***	***0.83 J***	NA	NA	***0.76 J***	< 0.17	***2.8***	***3.1***	***1.3***	***1.2***	***1.1***	***0.54 J***	***0.86 J***	< 0.17	***0.66 J***	***0.51 J***	***0.55***	0.37 J-
Toluene	160	800	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	NA	NA	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	0.49 J	0.73	< 0.11	< 0.11	< 0.11	< 0.11	0.55	0.090 J	0.07 BJ
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11
Trichloroethene	0.5	5	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	NA	NA	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.16	< 0.062	< 0.062
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	NA	NA	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16
Xylenes, Total	400	2000	< 0.068	0.37 J	< 0.068	< 0.068	< 0.068	NA	NA	< 0.068	< 0.068	0.36 J	< 0.068	< 0.068	1.6	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	1.9	< 0.058	< 0.12
Total PCBs																							
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	< 0.035	< 0.035	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	< 0.037	< 0.037	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	< 0.038	< 0.038	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	< 0.02	< 0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																							
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																							
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	2060	2300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	1 J	1.2 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2[3]
SCREEN INTERVAL (feet bgs)	PREVENTIVE ACTION LIMIT	ENFORCEMENT STANDARD	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft
SAMPLE DATE			05/06/2013	07/19/2013	10/04/2013	04/21/2014	07/10/2014	08/26/2014	10/22/2014	01/28/2015	04/10/2015	07/21/2015	10/19/2015	01/21/2016	04/20/2016	07/19/2016	10/11/2016	1/19/2017	04/12/2017	10/03/2017	04/03/2018	04/03/2018
VOCs																					
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.06	< 0.060	< 0.060
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	0.070 J	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3	< 3.0	< 3.0
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Benzene	0.5	5	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	0.44 J	< 0.053	< 0.053	< 0.053
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	0.12 J	< 0.062	< 0.062	< 0.062
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	< 0.16	0.17 J	0.68 BJ	< 0.16	0.64 J	0.37 J+	< 0.16	< 0.16
cis-1,2-Dichloroethene	7	70	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.41	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.13	< 0.13	0.47 J	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	0.38 J	< 0.14	< 0.14	< 0.14	0.14 BJ	< 0.14	< 0.14	0.14 J+	< 0.14
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	0.31 BJ	< 0.088	0.31 BJ	< 0.088
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 0.065	0.14 J	< 0.065	< 0.065	< 0.065	0.08 BJ	< 0.065	< 0.065
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Tetrachloroethene	0.5	5	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.081	< 0.081	< 0.081	< 0.081	0.090 BJ	< 0.081	0.1 J-	0.14 J	0.11 J
Toluene	160	800	< 0.11	< 0.11	< 0.11	< 0.11	0.63	1.2	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	< 0.053	< 0.053	< 0.053	0.11 J	< 0.053	0.16 J	0.07 BJ	< 0.053	< 0.053
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Trichloroethene	0.5	5	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.16	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.068	< 0.068	2.5	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.058	< 0.058	< 0.058	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Total PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																						
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-26S	MW-26S	MW-26S	MW-26S	MW-26S	MW-27D	MW-27D[3]	MW-27D	MW-27D	MW-27D	MW-27D	MW-27D	MW-27D	MW-27D	MW-27D	MW-27D	MW-27D	MW-27D[3]	MW-27D	MW-27D	MW-27D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	6.8 - 16.8 ft	6.8 - 16.8 ft	6.8 - 16.8 ft	6.8 - 16.8 ft	6.8 - 16.8 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	08/23/2013	10/09/2013	04/22/2014	07/10/2014	10/15/2014	12/26/2013	12/26/2013	04/18/2014	07/09/2014	10/21/2014	01/29/2015	04/14/2015	07/21/2015	10/20/2015	01/21/2016	04/20/2016	07/19/2016	10/11/2016	1/19/2017	1/19/2017	04/11/2017	10/04/2017	04/03/2018
VOCs																								
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.06	< 0.060
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3	< 3.0
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.1 J	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	3.7 BJ	< 3.4
Benzene	0.5	5	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038
Chloroform	0.6	6	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	< 0.16	< 0.16	0.53 BJ	< 0.16	< 0.16	0.4 J+	< 0.16
cis-1,2-Dichloroethene	7	70	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	0.85 J	0.83 J	2.6	2.5	1.1	2.4	2.2	2.4	5.5	1.9	1.7	1.5	0.54	0.99 B	1.1 B	1.2	0.89	0.56
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	0.12 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	0.55	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	0.06 BJ	0.080 J
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	1.3	< 0.24	< 0.24	0.92 J	< 0.24	0.86 J	< 0.39	0.68	0.68	0.62	< 0.14	0.42 J	0.38 J+	0.51	0.39 J	< 0.14
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	0.41 J	< 0.14	< 0.14	< 0.14	0.16 BJ	< 0.14	< 0.14	< 0.14	0.16 J
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Styrene	10	100	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 0.065	0.36 J	< 0.065	< 0.065	< 0.065	< 0.065 J	0.07 BJ	< 0.065
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Tetrachloroethene	0.5	5	***1.4***	< 0.17	< 0.17	< 0.17	< 0.17	***1.8***	***1.8***	***5.4***	***5***	***1.7***	***4.2***	***3.8***	***5***	***13***	***4.5***	***3.4***	***2.1***	***1.1***	***1.9 B***	***2.3 B***	***2.1 B***	***1.9***	***1.2***
Toluene	160	800	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	0.53	0.49 J	< 0.11	0.47 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	< 0.053	< 0.053	< 0.053	< 0.053	0.060 BJ	0.11 BJ	< 0.053	0.09 BJ	0.090 J
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	0.17 J	0.16 J	0.17 J	< 0.11	< 0.11	< 0.11	0.13 J	0.13 J	0.19 J
Trichloroethene	0.5	5	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	***1.3***	***1.2***	***3.5***	***3.5***	***1.7***	***3.2***	***2.9***	***3.4***	***12***	***2.8***	***2.6***	***2.1***	***1.3***	***1.7 B***	***2.1***	***2.1***	***1.6***	***1.2***
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	3.0	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.058	< 0.058	< 0.058	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Total PCBs																									
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																									
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																									
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 55.

Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-27D2	MW-27D2	MW-27D2	MW-27D2[3]	MW-27D2	MW-27D2	MW-27D2[3]	MW-27D2	MW-27D2	MW-27D2[3]	MW-27D2	MW-27D2	MW-27D2[3]	MW-27D2	MW-28	MW-28	MW-28	MW-28	MW-28	MW-29S	MW-29D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	27.7 - 37.7 ft	27.7 - 37.7 ft	27.7 - 37.7 ft	27.7 - 37.7 ft	27.7 - 37.7 ft	24 - 34 ft	45 - 50 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/26/2013	04/18/2014	07/09/2014	07/09/2014	10/21/2014	01/29/2015	01/29/2015	04/14/2015	07/21/2015	07/21/2015	10/20/2015	10/11/2016	10/11/2016	10/04/2017	03/13/2015	04/09/2015	10/20/2015	10/10/2017	04/06/2018	04/05/2018	04/05/2018
VOCs																							
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.22	< 0.22	< 0.11	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	40	200	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.38	< 0.20	< 0.20	< 0.1	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.20	< 0.20	< 0.1	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.28	< 0.28	< 0.14	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.12	< 0.12	< 0.06	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.26	< 0.26	< 0.13	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.15	< 0.15	< 0.076	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	0.5	5	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.43	< 0.20	< 0.20	< 0.1	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.090	< 0.090	< 0.045	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.15	< 0.15	< 0.077	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.15	< 0.15	< 0.075	NA	NA	NA	NA	NA	NA	NA
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.0	< 6.0	< 3	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.9	< 1.9	< 0.95	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 0.77	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.8	< 6.8	3.5 J	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.18	< 0.18	< 0.089	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.15	< 0.15	< 0.077	NA	NA	NA	NA	NA	NA	NA
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.18	< 0.18	< 0.088	NA	NA	NA	NA	NA	NA	NA
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 1.2	< 1.2	< 0.59	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	< 0.11	< 0.053	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.076	< 0.076	< 0.038	NA	NA	NA	NA	NA	NA	NA
Chloroform	0.6	6	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.37	< 0.12	< 0.12	< 0.062	NA	NA	NA	NA	NA	NA	NA
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	0.90 BJ	1.0 J	0.46 J	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	7	70	3.7	***12***	***11***	***11***	***12***	***11***	***11***	***8.2***	6.1	6.1	1.8	***21***	***23***	***9.4***	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	200	1000	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.54	< 0.22	< 0.22	< 0.11	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	140	700	< 0.13	< 0.13	0.33 J	0.36 J	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.11	< 0.11	< 0.054	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.16	< 0.16	< 0.081	NA	NA	NA	NA	NA	NA	NA
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	< 0.11	< 0.057	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	0.83 J	< 0.28	< 0.28	< 0.14	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.28	< 0.28	< 0.14	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.18	< 0.18	< 0.088	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.28	< 0.28	< 0.14	NA	NA	NA	NA	NA	NA	NA
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.42	< 0.42	< 0.21	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.20	< 0.20	< 0.1	NA	NA	NA	NA	NA	NA	NA
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.12	< 0.12	< 0.058	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.17	< 0.17	< 0.085	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.26	< 0.26	< 0.13	NA	NA	NA	NA	NA	NA	NA
Styrene	10	100	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.39	< 0.13	< 0.13	< 0.065	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.24	< 0.24	< 0.12	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5	5	***11***	***44***	***36***	***35***	***41***	***38***	***36***	***25***	***17***	***17***	***3.1***	***67***	***63***	***24***	NA	NA	NA	NA	NA	NA	NA
Toluene	160	800	0.20 J	< 0.11	0.43 J	0.41 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	< 0.11	0.18 J	0.08 J	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	0.64 J	0.66 J	0.33 J	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	0.5	5	***7.2***	***25***	***21***	***20***	***23***	***23***	***23***	***17***	***15***	***16***	***2.5***	***45***	***45***	***18***	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	0.02	0.2	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.32	< 0.32	< 0.16	NA	NA	NA	NA	NA	NA	NA
Xylenes, Total	400	2000	< 0.068	< 0.068	1.6	1.6	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.12	< 0.12	< 0.12	NA	NA	NA	NA	NA	NA	NA
Total PCBs																							
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.035	< 0.035	< 0.035	< 0.035
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.037	< 0.037	< 0.037	< 0.037
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.038	< 0.038	< 0.038	< 0.038
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.02	< 0.020	< 0.020	< 0.020
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Dissolved PCBs																							
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.068	< 0.064	< 0.062	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.20	< 0.19	< 0.19	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.20	< 0.19	< 0.19	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.20	< 0.19	< 0.19	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA
Solids																							
Total Dissolved Solids	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1530	1370	618	976
Total Suspended Solids (TSS)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	2.0

Notes on Page 55.

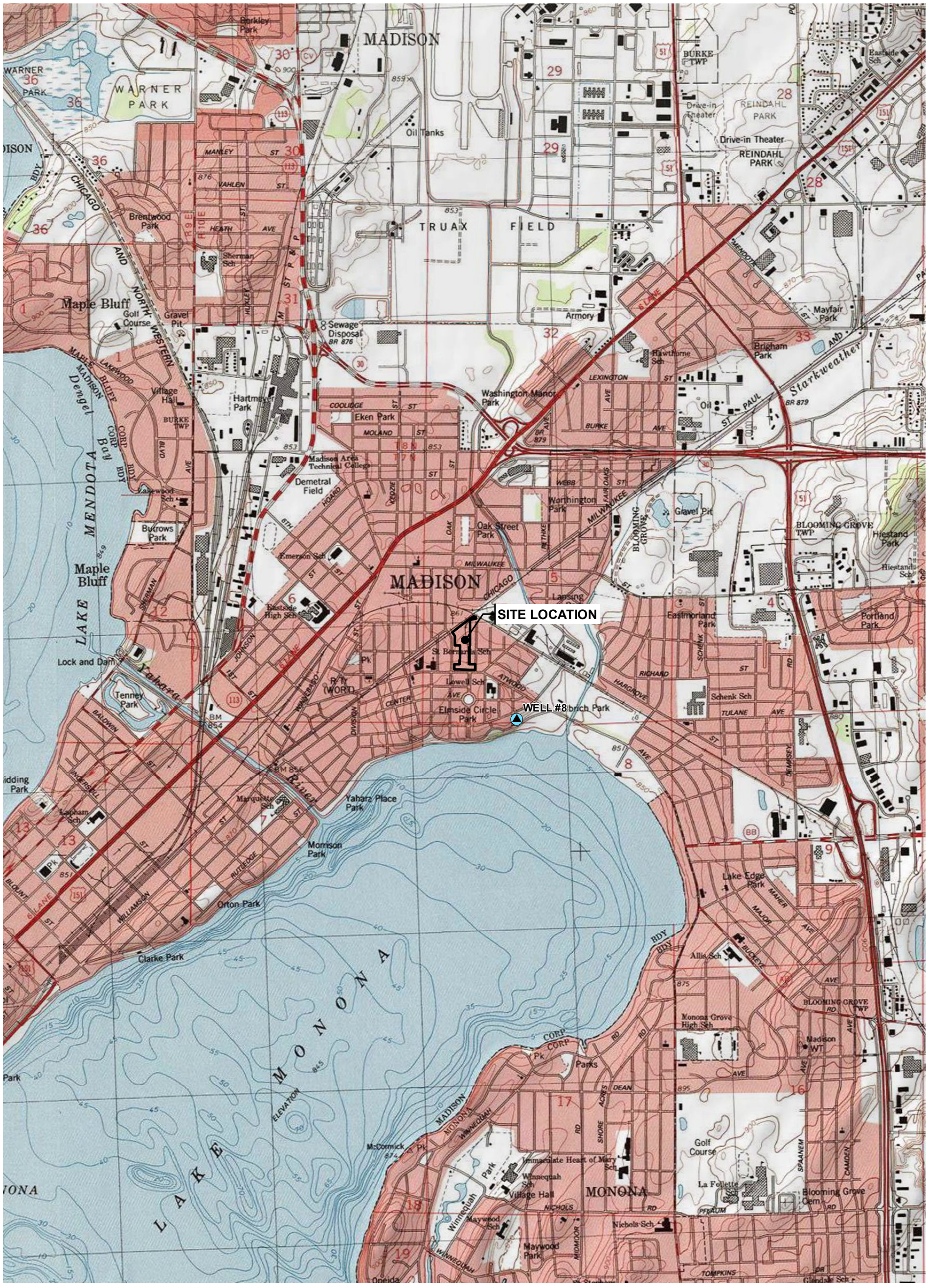
Table 17
Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Footnotes:
1 - Indicates that the sample was quenched prior to analysis.
2 - Indicates that the sample was not quenched prior to analysis.
3 - Indicates the result of a field duplicate.

Updated By: P Popp 5/31/2018
Checked By: B. Wachholz 5/31/2018

General Notes:
All concentrations noted in this table are reported in micrograms per liter (µg/L) unless otherwise noted.
Analytes shown in the table are from VOC and PCB analyte lists. Only analytes that were detected in at least one sample are shown in the table. A complete list of constituents analyzed are included in the laboratory analytical reports.

100 = NR 140 Wis. Adm. Code Preventive Action Limit Exceedance
100 = NR 140 Wis. Adm. Code Enforcement Standard Exceedance
< = Constituent not detected above noted laboratory method detection limit.
* = Data is suspect and not used in evaluation. (Note from historical data through 2015, provided by Arcadis)
B = Compound was found in the blank and sample.
bgs = Below Ground Surface.
cn = Laboratory Contaminant.
E = Estimated concentration, exceeds instrumental calibration range.
ID = Identification.
J = Estimated concentration above the adjusted method detection limit and below the reporting limit.
J- = Results may be biased low because of non-compliant laboratory quality check.
J+ = Results may be biased high because of non-compliant laboratory quality check.
NA = Not Analyzed.
ND = Not Detected.
NE = Not Established.
PCBs = Polychlorinated biphenyls.
VOCs = Volatile Organic Compounds.



LEGEND

SITE PROPERTY BOUNDARY

MUNICIPAL SUPPLY WELL

BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES, "USA TOPO MAPS" WEB BASEMAP SERVICE LAYER.

0 2,000 4,000 FEET

1 " = 2,000 '
1:24,000

N

TRC
708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3600

PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
SITE LOCATION MAP

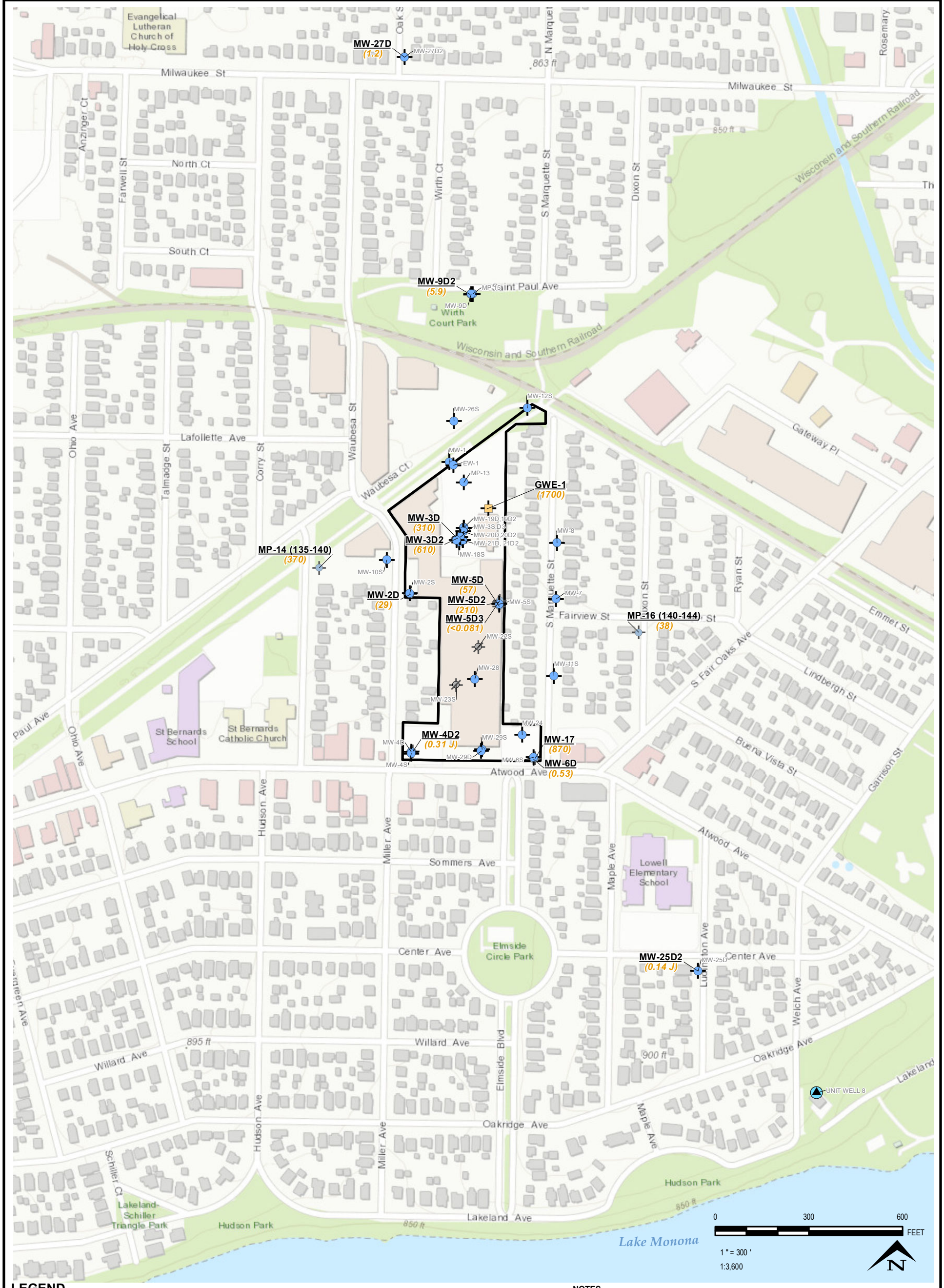
DRAWN BY:	A. REIS
CHECKED BY:	S. SELLWOOD
APPROVED BY:	A. STEHN
DATE:	SEPTEMBER 2018
PROJ. NO.:	292257
FILE:	292257-001slm.mxd

FIGURE 1

Plot Date: 9/17/2018, 10:57:36 AM by AREIS -- LAYOUT: ANSI B (11"x17")
Path: E:\MadisonKIPPCorp\2018_292257\292257-002.mxd

Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

TRC - GIS



LEGEND

- SITE PROPERTY BOUNDARY
- (1700) PCE CONCENTRATION (µg/L)
- ABANDONED MONITORING WELL
- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- MUNICIPAL SUPPLY WELL

NOTES

1. BASE MAP FROM ESRI, "WORLD TOPOGRAPHIC MAP", WEB BASEMAP SERVICE LAYER.
2. SELECT MONITORING WELLS FROM MULTIPLE FORMATIONS WERE SAMPLED BETWEEN 4/2/2018 AND 4/6/2018. TETRACHLOROETHENE (PCE) IS NOTED ON THE FIGURE IN µg/L FROM THE WELLS SAMPLED.
3. DATA QUALIFIER 'J' = ESTIMATED CONCENTRATION ABOVE THE ADJUSTED METHOD DETECTION LIMIT AND BELOW THE REPORTING LIMIT.
4. < = CONSTITUENT NOT DETECTED ABOVE NOTED LABORATORY METHOD DETECTION LIMIT.
5. GROUNDWATER EXTRACTION WELL GWE-1 WAS SAMPLED ON 4/3/2018.

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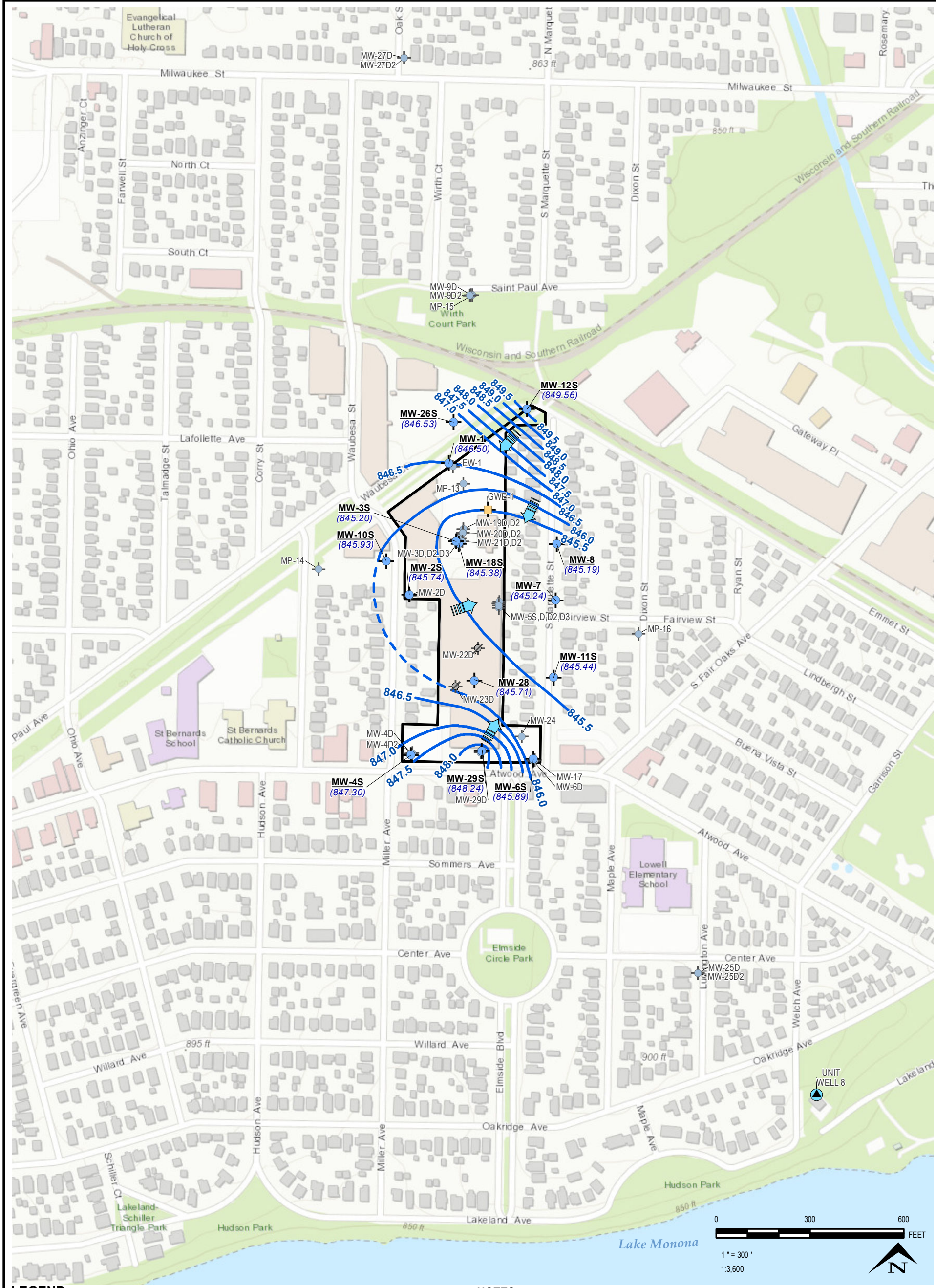
PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
WELL LOCATIONS MAP WITH TETRACHLOROETHENE (PCE) CONCENTRATIONS APRIL 2018

DRAWN BY:	A. REIS
CHECKED BY:	S. SELLWOOD
APPROVED BY:	A. STEHN
DATE:	SEPTEMBER 2018
PROJ. NO.:	292257
FILE:	292257-002.mxd

FIGURE 2



LEGEND

- SITE PROPERTY
- GROUNDWATER ELEVATION CONTOUR (0.5' INTERVAL, DASHED WHERE INFERRED)
- GROUNDWATER FLOW
- ABANDONED MONITORING
- MONITORING
- GROUNDWATER EXTRACTION
- MUNICIPAL SUPPLY

NOTES

1. BASE MAP FROM ESRI, "WORLD TOPOGRAPHIC MAP", WEB BASEMAP SERVICE LAYER.
2. THE WATER TABLE LIES WITHIN UNCONSOLIDATED SEDIMENTS WHICH ARE PRESENT TO A DEPTH OF APPROXIMATELY 35 FT BELOW GROUND SURFACE (835 FT ABOVE MEAN SEA LEVEL).
3. WELLS SHOWN IN GRAY ARE NOT PART OF THIS GROUNDWATER UNIT.
4. GROUNDWATER ELEVATIONS MEASURED APRIL 02, 2018.
5. MW-1 NOT USED FOR CONTOURING.

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Phone: 608.826.3600

PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
WATER TABLE ELEVATIONS
APRIL 2018

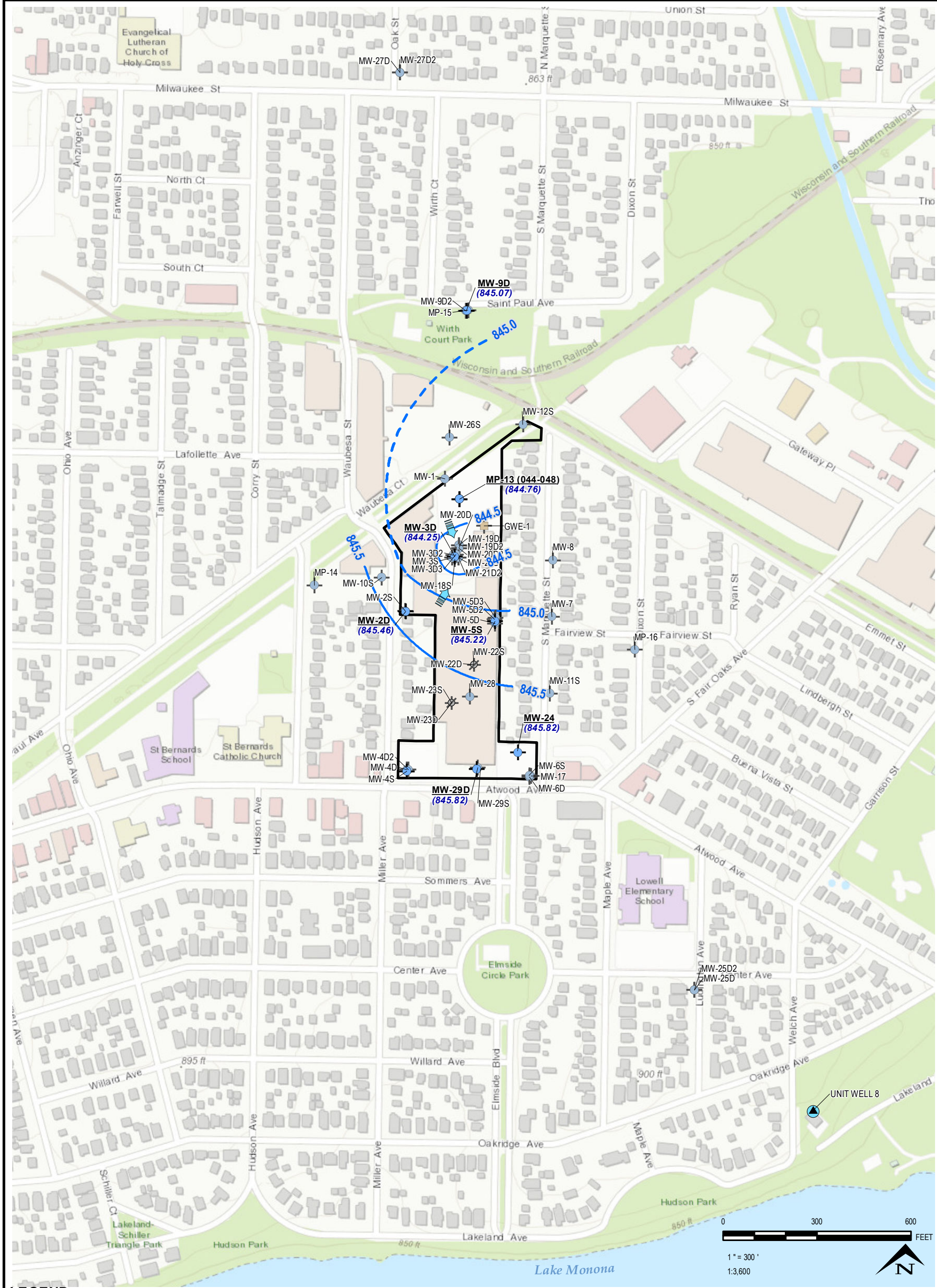
DRAWN BY:	A. REIS
CHECKED BY:	S. SELLWOOD
APPROVED BY:	A. STEHN
DATE:	SEPTEMBER 2018
PROJ. NO.:	292257
FILE:	292257-003.mxd

FIGURE 3

Plot Date: 9/17/2018, 12:08:46 PM by AREIS -- LAYOUT: ANSI B (11"x17")
Path: E:\MadisonKIPPCorp\2018_292257\292257-004.mxd

Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

TRC - GIS



LEGEND

- SITE PROPERTY BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (1' INTERVAL, DASHED WHERE INFERRED)
- GROUNDWATER FLOW
- ABANDONED MONITORING WELL
- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- MUNICIPAL SUPPLY WELL

NOTES

1. BASE MAP IMAGERY FROM, "WORLD TOPOGRAPHIC MAP" WEB BASEMAP SERVICE LAYER.
2. THE UPPER LONE ROCK FORMATION IS INTERPRETED TO BE APPROXIMATELY 35 -60 FEET BELOW GROUND SURFACE (835-810 FEET ABOVE MEAN SEA LEVEL).
3. WELLS SHOWN IN GRAY ARE NOT PART OF THIS GROUND WATER UNIT.
4. GROUNDWATER ELEVATIONS MEASURED APRIL 02, 2018.

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PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
UPPER LONE ROCK FORMATION POTENTIOMETRIC SURFACE APRIL 2018

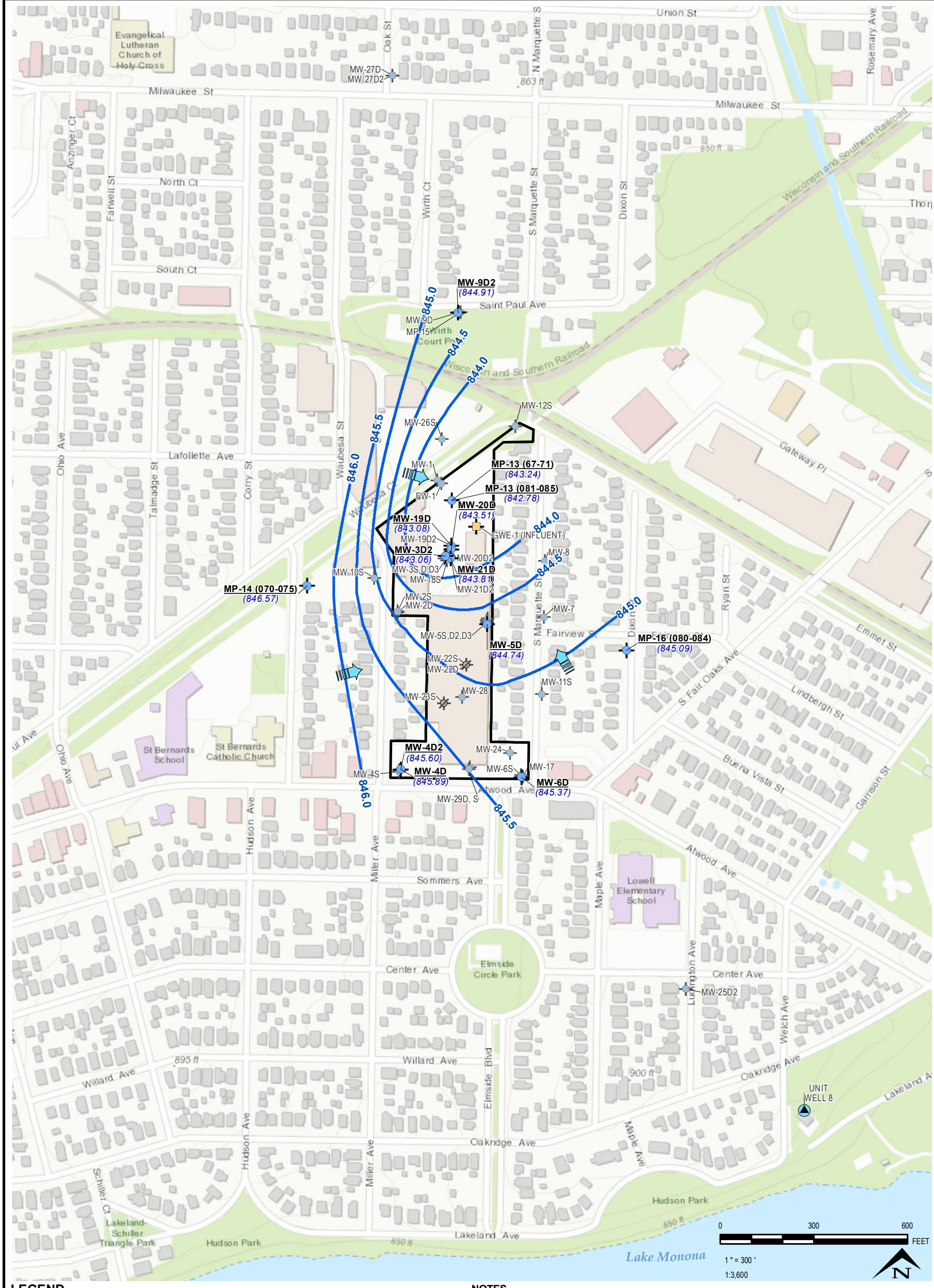
DRAWN BY:	A. REIS
CHECKED BY:	S. SELLWOOD
APPROVED BY:	A. STEHN
DATE:	SEPTEMBER 2018
PROJ. NO.:	292257
FILE:	292257-004.mxd

FIGURE 4

Plot Date: 9/17/2018, 12:10:11 PM by AREIS -- LAYOUT: ANSI B (11"x17")
Path: E:\MadisonKIPPCorp\2018_292257\292257-005.mxd

Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

TRC - GIS



LEGEND

- SITE PROPERTY BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (1' FT INTERVAL, DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- ABANDONED MONITORING WELL
- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- MUNICIPAL SUPPLY WELL

NOTES

1. BASE MAP FROM ESRI, "WORLD TOPOGRAPHIC MAP", WEB BASEMAP SERVICE LAYER.
2. THE LOWER LONE ROCK FORMATION IS INTERPRETED TO BE FROM APPROXIMATELY 60 -100 FEET BELOW GROUND SURFACE (810 -770 FEET ABOVE MEAN SEA LEVEL).
3. WELLS SHOWN IN GRAY ARE NOT PART OF TH IS GROUNDWATER UNIT.
4. GROUNDWATER ELEVATIONS MEASURED APRIL 02, 2018.
5. MW-4D2, MP-13 (67-71), MW-3D2 NOT USED FOR CONTOURING.

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PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
LOWER LONE ROCK FORMATION POTENTIOMETRIC SURFACE APRIL 2018

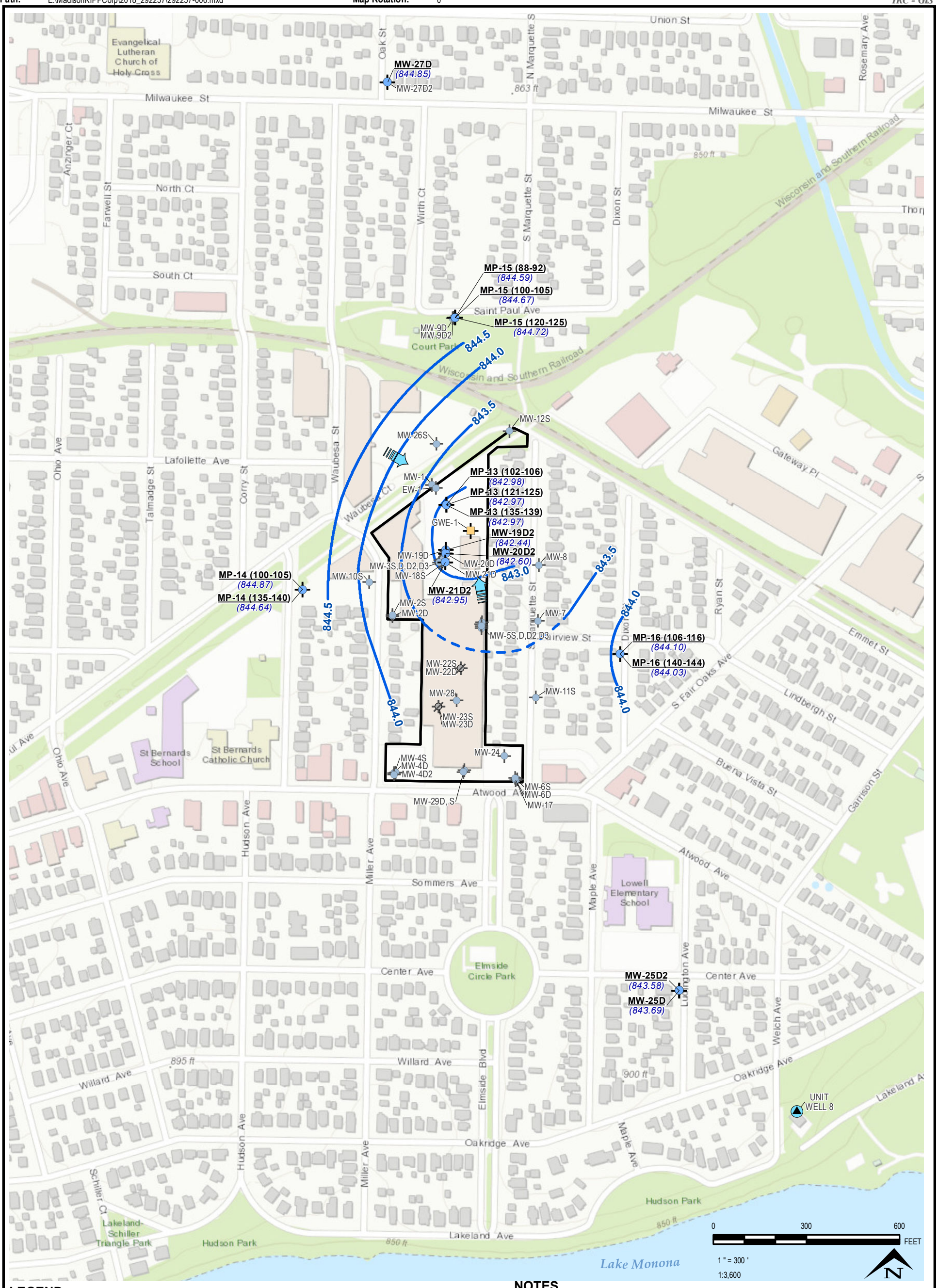
DRAWN BY:	A. REIS
CHECKED BY:	S. SELLWOOD
APPROVED BY:	A. STEHN
DATE:	SEPTEMBER 2018
PROJ. NO.:	292257
FILE:	292257-005.mxd

FIGURE 5

Plot Date: 9/17/2018, 12:11:16 PM by AREIS -- LAYOUT: ANSI B (11"x17")
Path: E:\MadisonKIPPCorp\2018_292257\292257-006.mxd

Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

TRC - GIS



LEGEND

- SITE PROPERTY BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (1' FT INTERVAL, DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- Abandoned Monitoring Well
- Monitoring Well
- Groundwater Extraction Well
- Municipal Supply Well

NOTES

1. BASE MAP FROM ESRI, "WORLD TOPOGRAPHIC MAP", WEB BASEMAP SERVICE LAYER.
2. THE UPPER WONEWOC FORMATION IS INTERPRETED TO BE FROM APPROXIMATELY 100-155 FEET BELOW GROUND SURFACE (770-715 FEET ABOVE MEAN SEA LEVEL).
3. WELLS SHOWN IN GRAY ARE NOT PART OF THIS GROUNDWATER UNIT.
4. GROUNDWATER ELEVATIONS MEASURED APRIL 02, 2018.
5. MW-25D NOT USED FOR CONTOURING.

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PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
UPPER WONEWOC FORMATION POTENTIOMETRIC SURFACE APRIL 2018

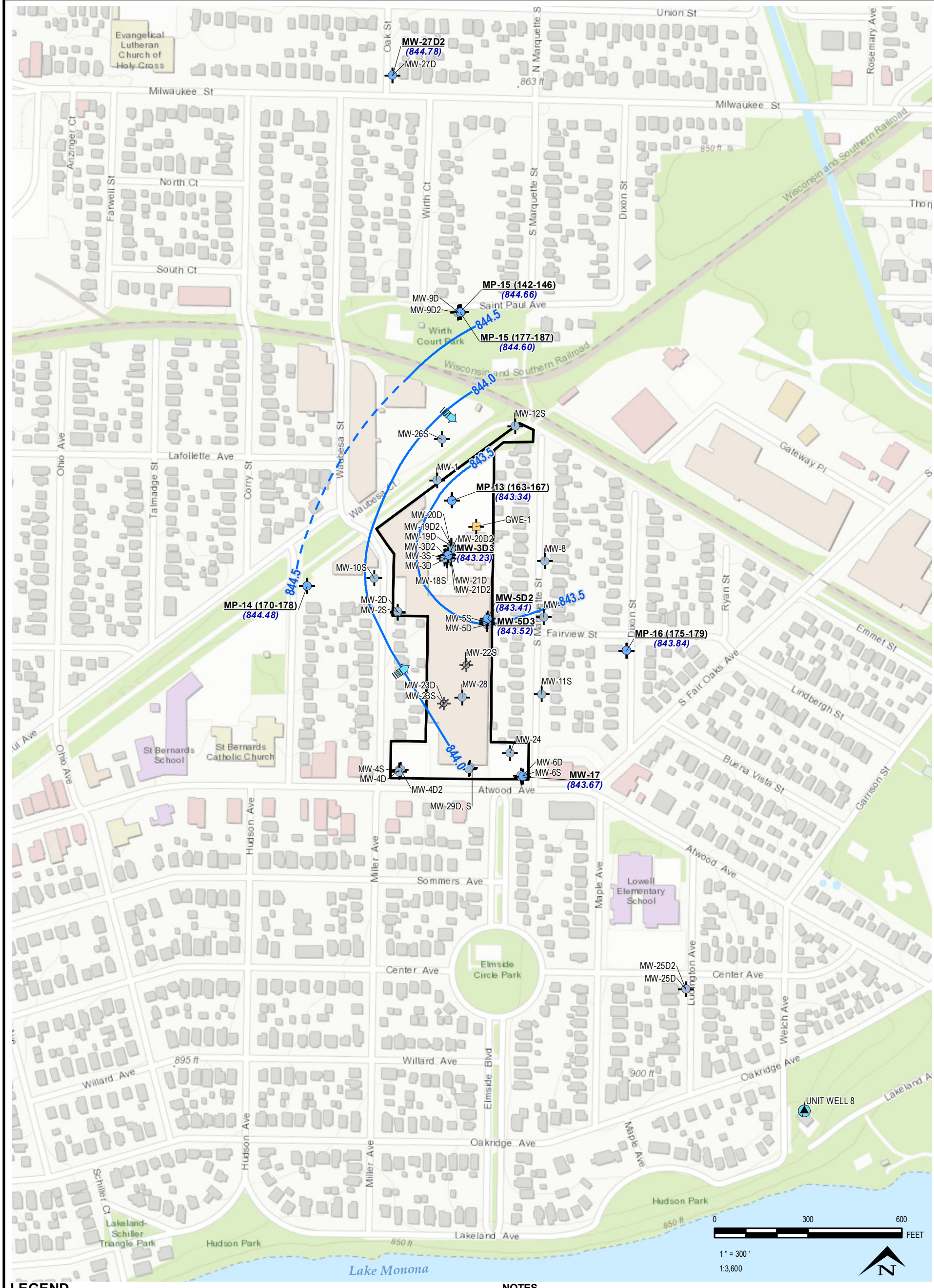
DRAWN BY:	A. REIS
CHECKED BY:	S. SELLWOOD
APPROVED BY:	A. STEHN
DATE:	SEPTEMBER 2018
PROJ. NO.:	292257
FILE:	292257-006.mxd

FIGURE 6

Plot Date: 9/17/2018, 12:12:48 PM by AREIS -- LAYOUT: ANSI B (11"x17")
Path: E:\MadisonKIPPCorp\2018_292257\292257-007.mxd

Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

TRC - GIS



LEGEND

- SITE PROPERTY BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (0.5' INTERVAL, DASHED WHERE INFERRED)
- GROUNDWATER FLOW
- ABANDONED MONITORING WELL
- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- MUNICIPAL SUPPLY WELL

NOTES

1. BASE MAP IMAGERY FROM ESRI, "WORLD TOPOGRAPHIC MAP" WEB BASEMAP SERVICE LAYER.
2. THE LOWER WONEWOC FORMATION IS INTERPRETED TO BE FROM APPROXIMATELY 155 - 240 FEET BELOW GROUND SURFACE (715 - 630 FEET ABOVE MEAN SEA LEVEL).
3. WELLS SHOWN IN GRAY ARE NOT PAR T OF THIS GROUNDWATER UNIT.
4. GROUNDWATER ELEVATIONS MEASURED APRIL 02, 2018.

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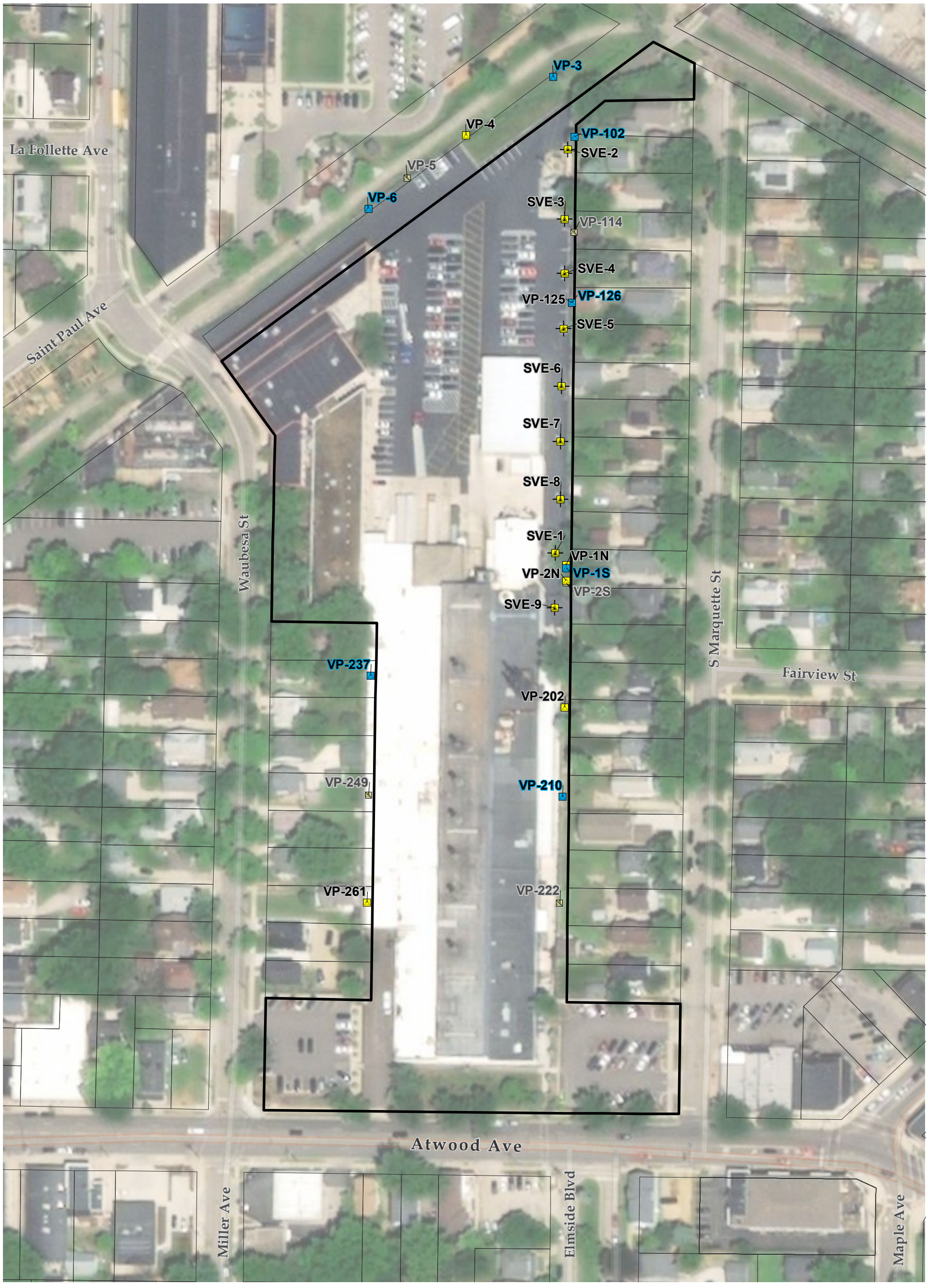
PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
LOWER WONEWOC FORMATION POTENTIOMETRIC SURFACE APRIL 2018

DRAWN BY:	A. REIS
CHECKED BY:	S. SELLWOOD
APPROVED BY:	A. STEHN
DATE:	SEPTEMBER 2018
PROJ. NO.:	292257
FILE:	292257-007.mxd

FIGURE 7

Plot Date: 9/17/2018, 12:13:53 PM by AREIS -- LAYOUT: ANSI B (11"x17")
Path: E:\MadisonKIPPCorp\2018_292257\292257-008.mxd
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0
TRC - GIS



LEGEND

- SITE PROPERTY BOUNDARY
- SOIL EXTRACTION WELL
- VAPOR MONITORING POINT
- VAPOR MONITORING POINT (PROPOSED 2018 SAMPLING)
- VAPOR MONITORING POINT (LOST)

NOTES

1. BASE MAP IMAGERY FROM ESRI/DIGITAL GLOBE, 2016.
2. PARCEL INFORMATION FROM WISCONSIN STATE CARTOGRAPHER'S OFFICE, 2018

0 100 200 FEET

1 " = 100 '
1:1,200

N

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708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3600

PROJECT:

MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:

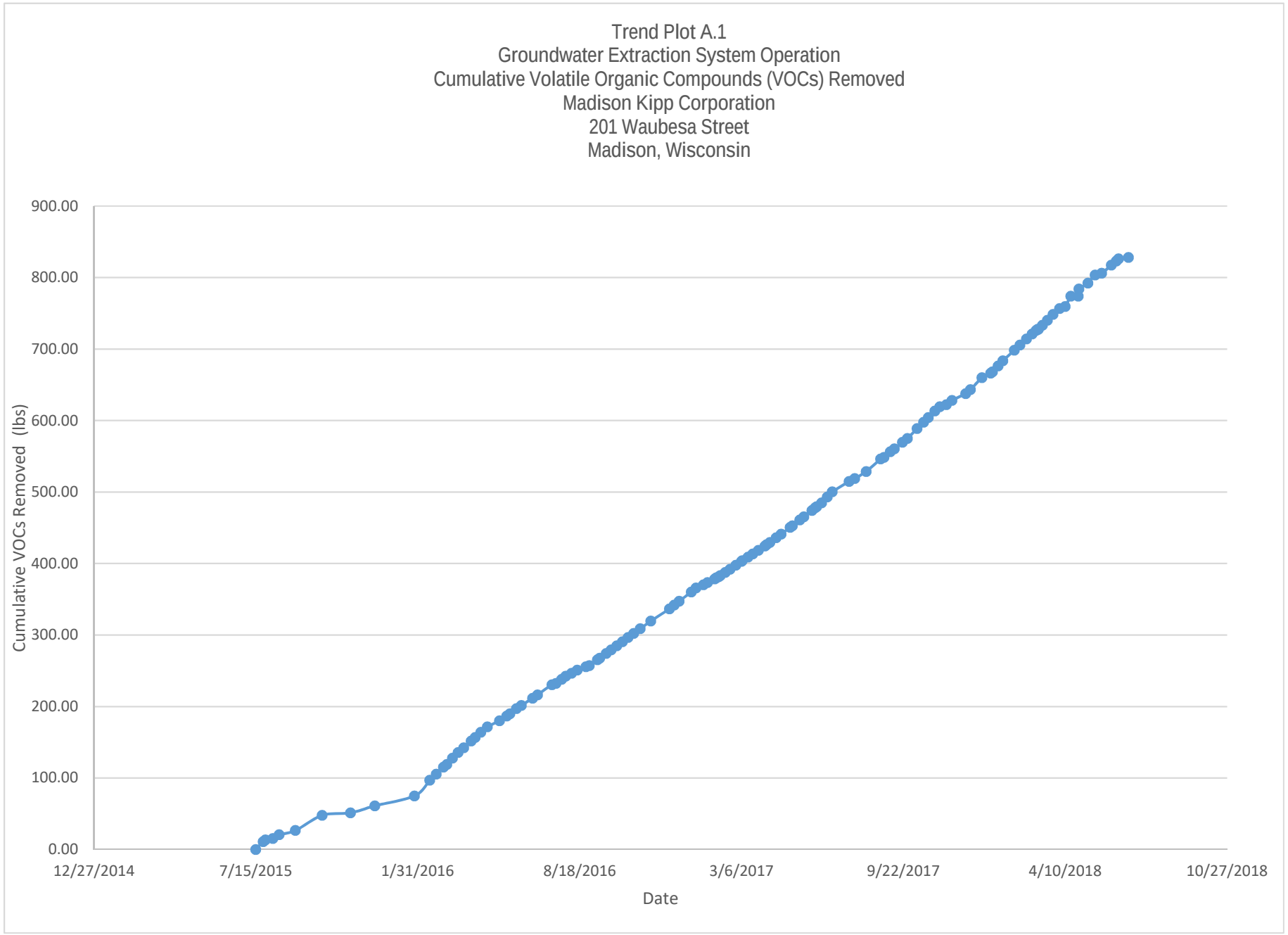
SOIL VAPOR EXTRACTION WELL AND VAPOR MONITORING POINT LOCATION MAP

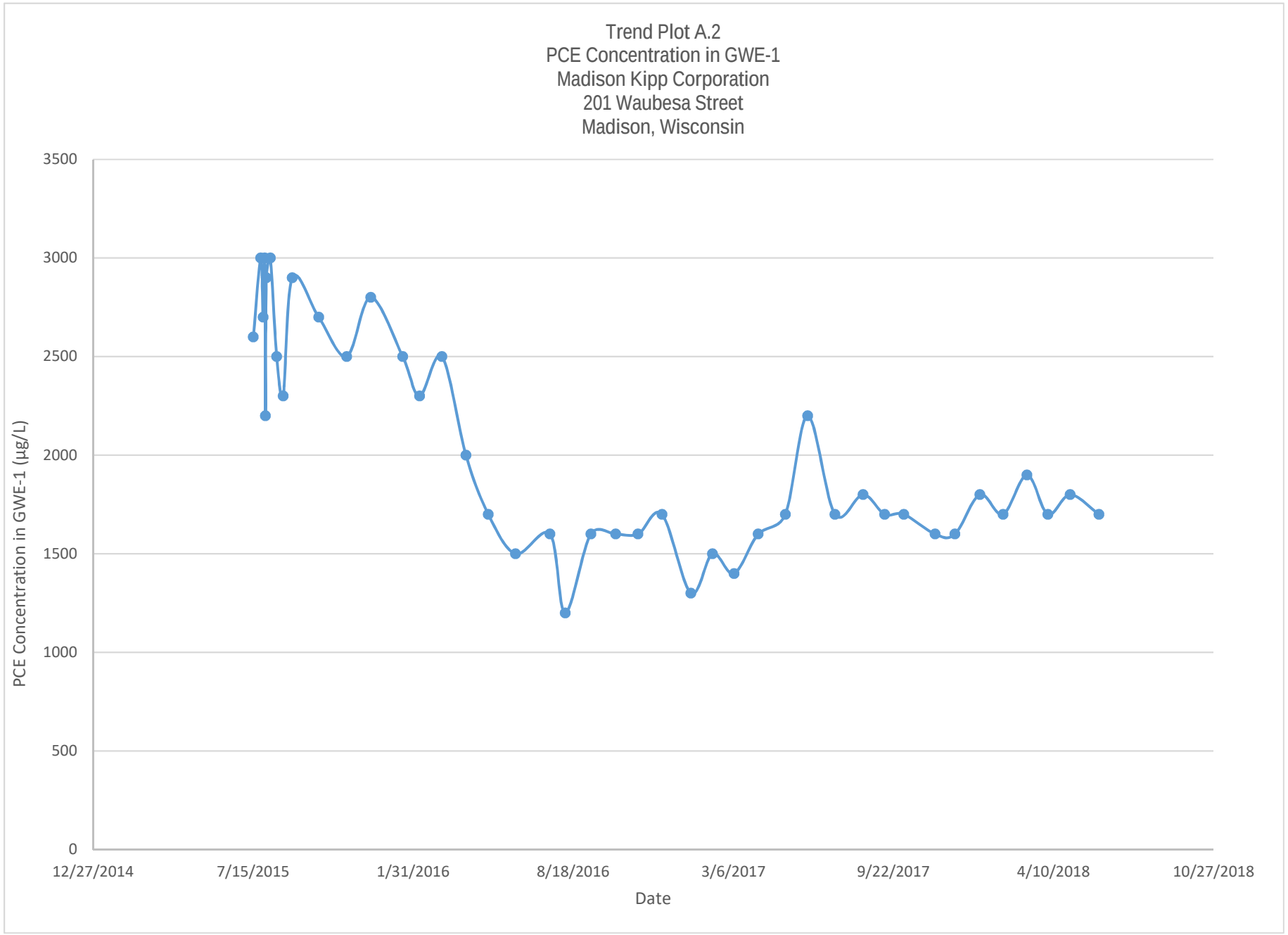
DRAWN BY:	A. REIS
CHECKED BY:	S. SELLWOOD
APPROVED BY:	A. STEHN
DATE:	SEPTEMBER 2018
PROJ. NO.:	292257
FILE:	292257-008.mxd

FIGURE 8

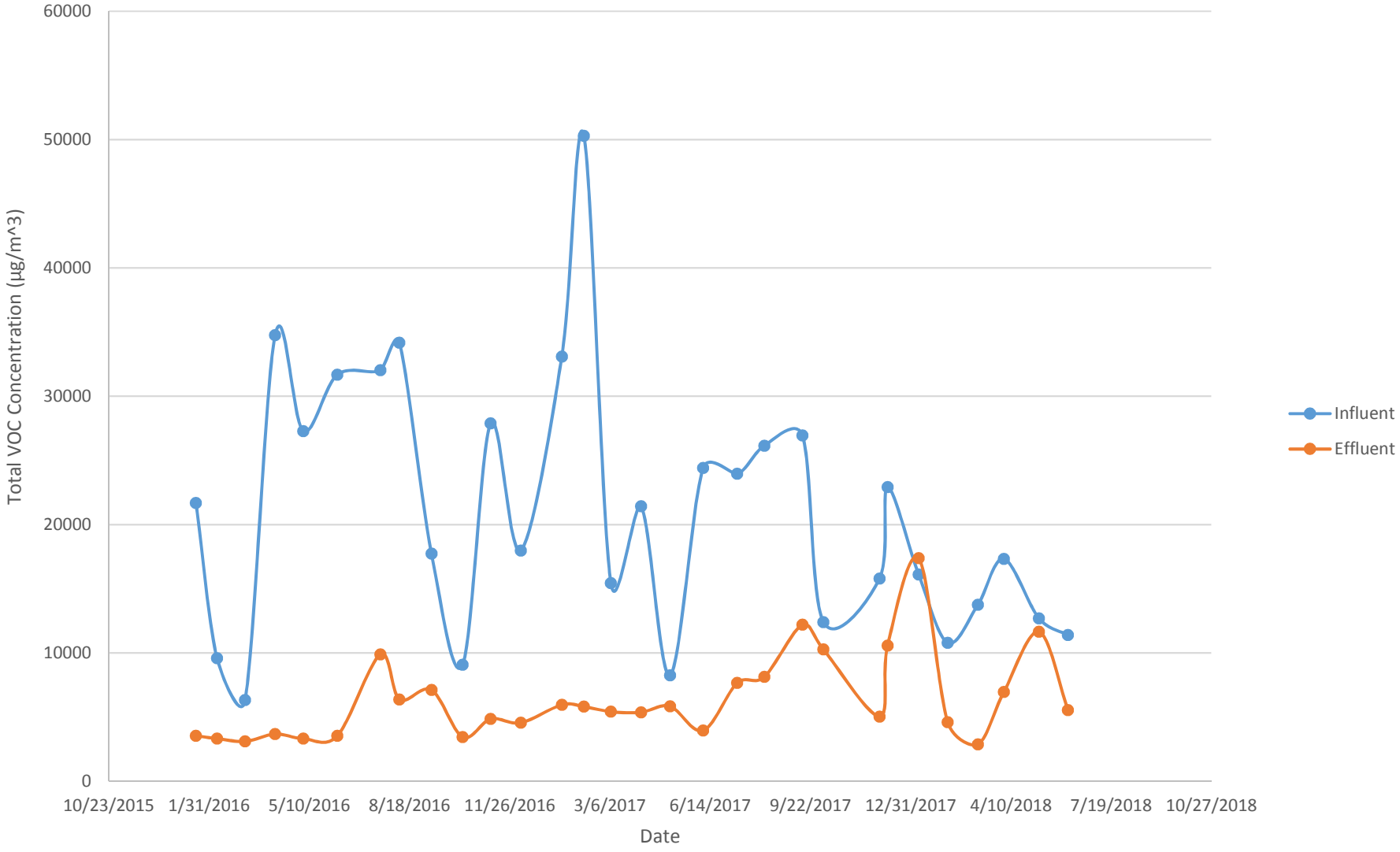
Attachment 1

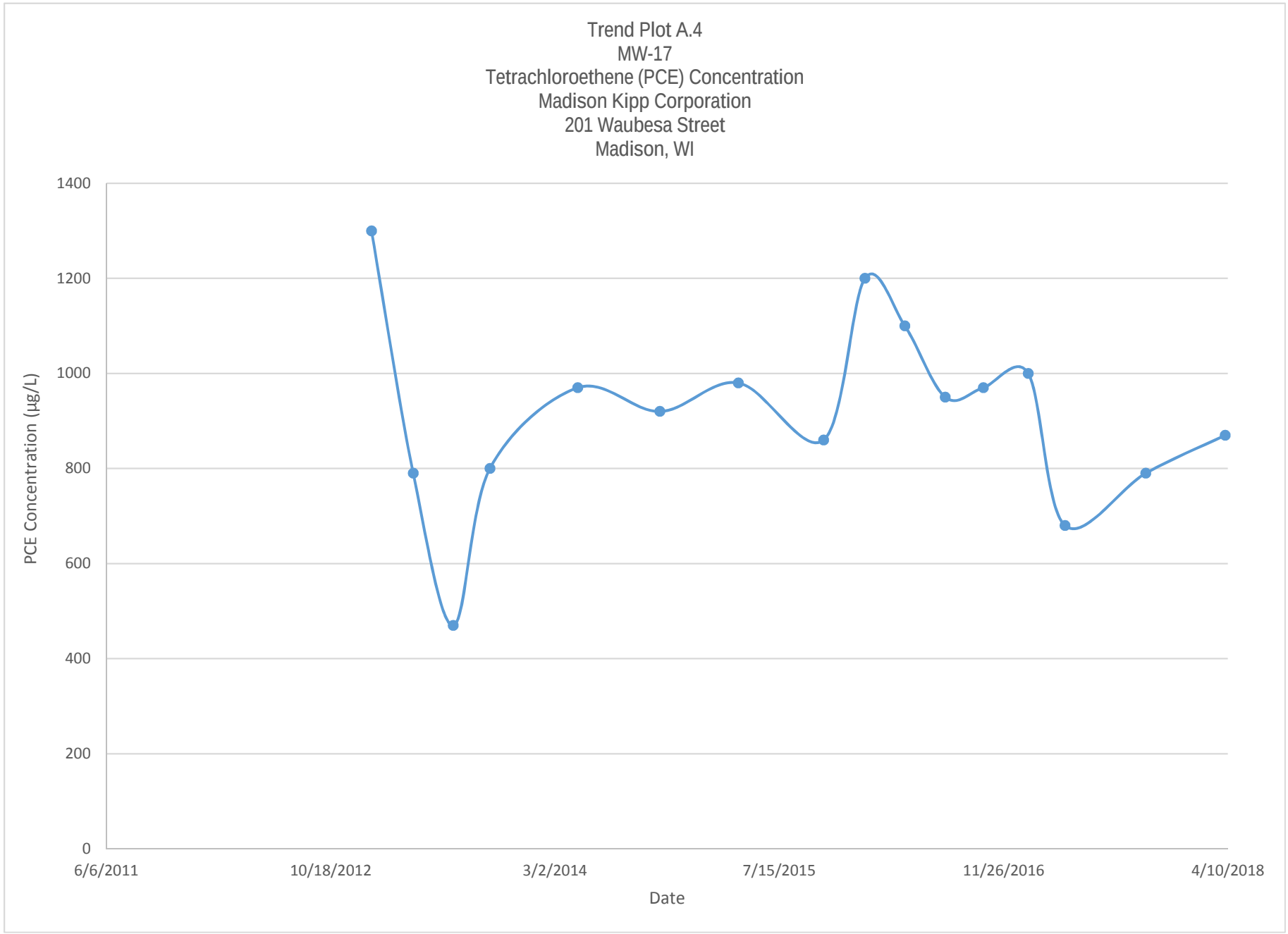
Trend Plots


Trend Plot A.1
Groundwater Extraction System Operation
Cumulative Volatile Organic Compounds (VOCs) Removed
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin
Cumulative VOCs Removed (lbs)
900.00
800.00
700.00
600.00
500.00
400.00
300.00
200.00
100.00
0.00
12/27/2014
7/15/2015
1/31/2016
8/18/2016
3/6/2017
9/22/2017
4/10/2018
10/27/2018
Date


Trend Plot A.2
PCE Concentration in GWE-1
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin
PCE Concentration in GWE-1 (µg/L)
3500
3000
2500
2000
1500
1000
500
0
12/27/2014
7/15/2015
1/31/2016
8/18/2016
3/6/2017
9/22/2017
4/10/2018
10/27/2018
Date

Trend Plot A.3
GETS and SVE Combined Total VOC Gas Concentration - Pre and Post Carbon Adsorption Treatment
Madison Kipp Corporation
201 Waubesa Street
Madison, WI




Trend Plot A.4
MW-17
Tetrachloroethene (PCE) Concentration
Madison Kipp Corporation
201 Waubesa Street
Madison, WI
PCE Concentration (µg/L)
1400
1200
1000
800
600
400
200
0
6/6/2011
10/18/2012
3/2/2014
7/15/2015
11/26/2016
4/10/2018
Date

Attachment 2

Remediation Site Operation, Maintenance, Monitoring, and Optimization Report 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 this form is required under s. NR 724.13(3), Wis. Adm. Code. A narrative report or letter containing the equivalent information required in this form may be submitted in lieu of the actual form. Failure to submit this form as required is a violation of s. NR 724.13(3), Wis. Adm. Code, and is subject to the penalties in s. 292.99, Wis. Stats. This form must be submitted every six months for soil or groundwater remediation projects that report operation and maintenance progress in accordance with s. NR 724.13(3), Wis. Adm. Code.

Note: Long-term monitoring results submitted in accordance with s. NR 724.17(3), Wis. Adm. Code 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 s. NR 724.17(3), Wis. Adm. Code.

Note: Responsible parties should check with the State 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 Superfund response.

Note: Responsible parties should check with the State Project Manager assigned to the site to determine if any of the information required in this form may be omitted or changed and obtain prior written approval for any omissions or changes.

Submittal of this form is not a substitute for reporting required by Department programs such as Waste Water or Air Management. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by the Bureau for Remediation and Redevelopment.

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 (ss. 19.31-19.39, Wis. Stats.). Unless otherwise noted, all citations refer to Wisconsin Administrative Code.

Note: There is a separate semi-annual report required under s. NR 700.11(1), Wis. Adm. Code. Reporting under that provision is through an internet-based form:

http://dnr.wi.gov/topic/Brownfields/documents/regs/NR700progreport.pdf

Section GI - General Site Information

A. General Information

1. Site name

Madison-Kipp Corporation

2. Reporting period from:	To:	Days in period:
01/01/2018	06/30/2018	181

3. Regulatory agency (enter DNR, DATCP and/or other)	4. BRRTS ID No. (2 digit program-2 digit county-6 digit site specific)
DNR	02-13-558625

5. Site location

Region	County	Address
South Central Region	Dane	201 Waubesa Street

Municipality name	Township	Range	Section	¼	¼ ¼
(●) City ( ) Town ( ) Village		(●)E ( )W			
Madison	07 N	10	5	SW	NW

6. Responsible party	7. Consultant
Name: Tony Koblinski	☐ Select if the following information has changed since the last submittal
Mailing address: 201 Waubesa Street, Madison, WI 53704	Company name: TRC
Phone number: (608) 242-5244	Mailing address: 708 Heartland Trail, Suite 3000, Madison, WI 53717
	Phone number: (608) 826-3665

8. Contaminants

VOCs, Metals, PCBs

9. Soil types (USCS or USDA)

CL, SP, GP

10. Hydraulic conductivity(cm/sec):	11. Average linear velocity of groundwater (ft/yr)
0.08 - 13.2	0.5 - 12.9

12. If soil is treated ex situ, is the treatment location off site? ( ) Yes (●) No

If yes, give location: Region	County

Municipality name	Township	Range	Section	¼	¼ ¼
( ) City ( ) Town ( ) Village		( )E ( )W			
	N				

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.

2. Are modifications to the system warranted to improve effectiveness ○ Yes ◉ No
   If yes, explain:

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:

   The onsite soil vapor extraction system is being evaluated for potential shut down.

D. Economic and Cost Data to Date

1. Total investigation cost: Cost Not Included
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
Katherine Vater	Project Manager
Signature: Katherine Vater	Date: 9/17/2018

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
Signature	Date

Scientists:

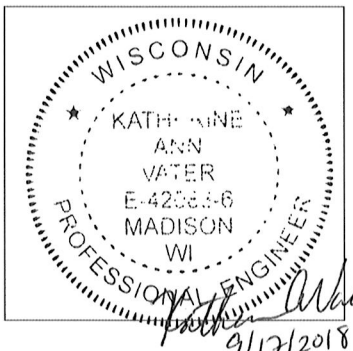
I hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm.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

Print name	Title
Signature	Date

Other Persons:

Print name	Title
Andrew Stehn	Project Engineer
Signature: Andrew Stehn	Date: 9/17/2018

Professional Seal(s), if applicable:



9/17/2018
E-42083-6

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: 1 and the number in use during period: 1

2. Number of days of operation (only list the number of days the system actually operated, if unknown explain:
154 days

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:
85%

4. Quantity of groundwater extracted during this time period: 9,970,747 gallons

5. Average groundwater extraction rate: 45 gpm

6. Quantity of dissolved phase contaminants removed during this time period in pounds: 178 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:
The groundwater extraction and treatment system was designed to facilitate the removal of volatile organic compound (VOC) mass in addition to providing hydraulic containment of VOCs in groundwater in order to minimize off-site VOC migration.

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: Tetrachloroethene

   b. Percent reduction necessary to reach ch. NR 140 ES and PAL: 99 %

   c. Maximum contaminant concentration level in any monitoring well of that contaminant: 870 µg/L

   d. Maximum contaminant concentration level in any extraction well of that contaminant: 1,900 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.
Not Applicable

D. Additional Attachments

Attach the following to this form:

- Most recent report to the DNR Wastewater Program, if applicable. Attachment 3
- Groundwater contour map with capture zone indicated. Figures 3-7
- Groundwater contaminant distribution map (may be combined with contour map). Figures 2
- 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. Attachment 1;Graph A.2
  - -- Graph of contaminant concentrations versus time for the monitoring well with the greatest level of contamination.
- Groundwater contaminant chemistry table. Table 17 Attachment 1 ;Graph A.4
- Groundwater elevations table. Table 16
- System operational data table. Table 1

Section GW-2, In Situ Air Sparging Systems

N/A

A. In Situ Air Sparging System Operation

1. Number of air injection wells at the site and the number 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:

B. System 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 B.1.a.

   a. Contaminant:

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

   c. Maximum contaminant concentration level in any monitoring well: µg/L

2. Is there any evidence that air is short circuiting through natural or man-made pathways? ◯ Yes ◯ No
   If yes, explain:

3. Is the size of the plume: ◯ Increasing ◯ Stabalized ◯ Decreasing ?
   If increasing, explain:

C. Additional Attachments

Attach the following to this form:

- 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).
- Site map with all air injection wells and groundwater monitoring points.
- Graph of contaminant concentrations versus time for the contaminant listed in B.1.a. (above) for the monitoring point 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

N/A

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: _____

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

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

2. Aquifer parameters:

   a. Hydraulic conductivity: _____ cm/sec

   b. Groundwater average linear velocity: _____ 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: _____ µg/L

   b. DO levels in the part of the plume that is most heavily contaminated _____ 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:

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

   If yes, explain:

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 GW-4, Other Groundwater Remediation Methods

N/A

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: _____

   b. Percent reduction necessary: _____ %

   c. Maximum contaminant concentration level in any monitoring well: _____ µg/L

2. Is the size of the plume: ◯ Increasing ◯ Stabalized ◯ Decreasing ?

3. Describe the method used to remediate groundwater at the site:

4. List any additional information required by the DNR for this method for this site:

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.
- Groundwater contaminant chemistry table.
- Groundwater elevations table.
- Any other attachments required by the DNR for this remediation method.

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: 9
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain):
   158 days
3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:
   87%
4. Average depth to groundwater: 23.28 gpm

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: 0.46 pounds per day
2. Average contaminant removal rate per well or venting point: N/A 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:

   Please note that removal rates noted above are approximated based on operational data from six monitoring events and represent the removal rate of the extracted gas from the SVE system and the GETS, which are combined and monitored on a monthly basis.

   a. If contaminants are aerobically biodegradable and confirmation borings have not been drilled in
      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. Figure 8
- If water table monitoring wells are present at the site, a map of well locations. Figure 2
- Time versus vapor phase contaminant concentration graph. Attachment 1- Graph A.3 depicts concentration versus time for the combined GETS and SVE vapor.
- Time versus cumulative contaminant removal graph. Not Applicable. SVE and GETS vapor is combined and sampled.
- Groundwater elevations table, if water table wells are present at the site; also list screen lengths and elevations. Table 16
- Table of soil contaminant chemistry data. N/A
- Soil gas data, if gas probes are used to monitor subsurface conditions in locations other than where air is extracted.
- System operational data table. Table 14

Soil gas sampling will be completed in October 2018 and is not included in this report.

Section IS-2, Natural Attenuation (Passive Bioremediation) in Soil

N/A

A. Effectiveness Evaluation

1. Soil gas information in the soil that is most contaminated from a permanently installed gas probe(s) or water table monitoring well(s).
   a. Hydrocarbon levels: _____ ppm, with an FID
   b. Oxygen levels: _____ percent
   c. Carbon dioxide levels(specify ppm or percent): _____
   d. Methane levels: _____ ppm
2. Soil gas information in background (uncontaminated soil) from permanently installed gas probe(s)or water table monitoring well(s):
   a. Hydrocarbon levels: _____ ppm, with an FID
   b. Oxygen levels: _____ percent
   c. Carbon dioxide levels(specify ppm or percent): _____
   d. Methane levels: _____ ppm
3. List the results of the single boring that had the highest levels of soil contamination during the last round of soil sampling, and the date those samples were collected. Since soil borings are only drilled periodically, list the most recent data even if the data is prior to this reporting period. Since this data is used to assess progress based on the most recent soil sampling event, do not list data from prior sampling events.
   a. Total hydrocarbons (Specify if GRO and/or DRO): _____ µg/kg
   b. Specific compounds (µg/kg):
      i. Benzene: _____ µg/kg
      ii. 1,2 Dichloroethane: _____ µg/kg
      iii. Ethylbenzene: _____ µg/kg
      iv. Toluene: _____ µg/kg
      v. Total xylenes: _____ µg/kg
4. Is there any evidence that contaminants are leaching into groundwater? ◯ Yes ◯ No
   If the answer is yes and if groundwater quality is not being monitored, explain:
5. Is site closure a viable option within 12 months from the date of this form? ◯ Yes ◯ No
6. Are there any modifications that can be made to the remediation to improve cost effectiveness? ◯ Yes ◯ No
   If yes, explain:

B. Additional Attachments

Attach the following to this form:

- Well and soil sample location map.
- Cross sections showing the water table, soil sampling locations, screened intervals for gas probes or water table wells, geologic contacts, and any former excavation boundaries.
- Graphs of contaminant concentrations, oxygen, carbon dioxide and methane levels over time.
- Groundwater elevations table, if water table wells are present at the site.
- Table of soil contaminant chemistry.
- Table of soil gas readings.

Section IS-3, Other In Situ Soil Remediation Methods

N/A

A. Effectiveness Evaluation

1. Describe the method used to remediate soil at the site:

2. List all information required by the DNR for this remediation method for this site:

B. Additional Attachments

Attach the following to this form:

- Any other attachments required by the DNR for this remediation method.

Section ES-1, Ex Situ Soil Treatment Using Biopiles

N/A

A. Effectiveness Evaluation

1. Volume of soil in the biopile (if multiple biopiles, list number of piles and total volume):

2. Monitoring used to assess progress and verify optimal conditions for biodegradation.

   a. Vapor phase measurements of gases (average of all readings from most recent sampling event):

      i. VOCs by FID: _____ ppm

      ii. Oxygen: _____ percent

      iii. Carbon dioxide: _____ percent

      iv. Methane: _____ ppm

   b. Soil temperature: _____ °F

   c. Soil moisture sensors, if used: _____ percent

3. Treatment amendments added to the soil during construction:

   a. Artificial nutrients, excluding manure.

      i. Types and total pounds added:

      ii. Nitrogen and phosphorous content of the added amendment: _____ percent

   b. Manure: _____ total pounds

   c. Natural organic materials (straw, wood chips, etc.)(type and total pounds):

4. Forced air biopiles only answer the following:

   a. Total air flow rate of the ventilation system: _____ scfm

   b. Average contaminant removal rate: _____ pounds per day

   c. Average biodegradation rate based on oxygen utilization: _____ pounds per day

5. If soil samples have been taken to monitor progress, list results. Only list the most recent results. If none collected enter NA.

   a. Total hydrocarbons. Specify if GRO and/or DRO: _____ µg/kg

   b. Specific compounds (µg/kg):

      i. Benzene: _____ µg/kg

      ii. 1,2 Dichloroethane: _____ µg/kg

      iii. Ethylbenzene: _____ µg/kg

      iv. Toluene: _____ µg/kg

      v. Total xylenes: _____ µg/kg

B. Additional Attachments

Attach the following to this form:

- Figure showing the construction details of the biopile and any sampling locations within the biopile.
- Table of soil contaminant chemistry data.
- Table of operational data.

Section ES-2, Ex Situ Soil Treatment Using Landspreading/Thinspreading

N/A

A. Effectiveness Evaluation

1. Method used: ◯ landspreading ◯ thinspreading

Note: For purposes of this form, "landspreading" is the placement of contaminated soil on native topsoil, incorporation of that soil into the native soil and planting crops or other plants on it. The term "thinspreading" refers to placing contaminated soil on an impervious base for aeration.

2. Was any progress monitoring using field screening on soil conducted during this reporting period? ◯ Yes ◯ No

3. If the answer to A.2. (above) is yes:

i. List monitoring method:

ii. List monitoring results:

4. Is there any evidence of soil erosion at the landspreading/thinspreading location? ◯ Yes ◯ No

5. Spreading thickness: _____ inches

6. Type of crop planted (if thinspreading with no crop planted, so state):

7. Confirmation sampling date: _____ Anticipated confirmation sampling date: _____

8. Most recent soil sample results, if soil samples for laboratory analysis have been collected to monitor progress. Only list the highest result of the most recent sampling round. If no samples have been collected, enter NA.

a. Total hydrocarbons. Specify if GRO and/or DRO: _____ µg/kg

b. Specific compounds (µg/kg):

i. Benzene: _____ µg/kg

ii. 1,2 Dichloroethane: _____ µg/kg

iii. Ethylbenzene: _____ µg/kg

iv. Toluene: _____ µg/kg

v. Total xylenes: _____ µg/kg

B. Additional Attachments

Attach the following to this form:

- Map of the landspreading/thinspreading area. If soil samples have been collected, specify locations of samples and dates of sampling.
- Table of soil contaminant chemistry data.
- Table of any field screening results with dates of sample collection.

Section ES-3, Landfills

N/A

Note: Reporting forms or reporting requirements in a Department approved Operation and Maintenance Plan for a landfill may take the place of this form.

Specific Inspection Items	Potential Problem Areas	Status	Notes
Perimeter Security Fencing	Broken or missing wood slats, torn chain link fabric, barbed wire, other - list		
Entrance Gate and Locking Mechanism	Lock broken/missing, mechanism inoperative.		
Monitoring Wells and Wellhead Covers	Signs of tampering, casing damaged, lock missing.		
Final Cover Vegetation	Bare spots, stressed vegetation, deep rooted vegetation.		
Final Cover Slope (explain below)	Gullies, lack of vegetation, subsidence, ponding.		
Evidence of Burrowing Animals	Damage to final cover, evidence of waste.		
Stormwater Drainage Channels	Gullies, erosion, debris, culvert blocked.		
Passive Landfill Gas Venting System	Damaged or blocked vent risers, stressed vegetation.		
Active Landfill Gas Extraction System	Damaged or blocked piping, cleanouts, other blower flare, knockouts, etc.		
Leachate Collection System	Pumps, connection piping, collection system piping, extraction wells, collection tanks, tanker truck loading system or sanitary sewer discharge piping.		
Access Road Cover Mowing; Tall Vegetation Removal	Ponding, rutting, erosion, cracked or damaged pavement. Mowing and tall vegetation removal done to specified vegetation.		

Summary of Deficiencies and/or Corrective Actions:

B. Additional Attachments N/A

Attach the following to this form:

- Any photographs documenting problems and maintenance activities.
- Maps, drawings showing site features requiring maintenance.
- Records for leachate pumping/discharge/hauling.
- Records for active gas extraction volumes.

Attachment 3

June 2018 WPDES DMR Submittal

July 5, 2018

Karl Knutson
Wisconsin Department of Natural Resources
South Central Region
3911 Fish Hatchery Rd.
Fitchburg, WI 53711

Subject: Discharge Monitoring Report - Groundwater Extraction and Treatment System, Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin

Dear Mr. Knutson,

The Groundwater Extraction and Treatment System (GETS) ran for the month of June with the exception of maintenance activities. This letter summarizes the activities completed in June 2018 as part of the GETS at the Madison-Kipp Corporation (MKC) site under the Wisconsin Pollution Discharge Elimination System (WPDES) Permit WI-0046566-6.

The GETS flow rate was operated at 40 gallons per minute (gpm) between June 1 and June 20, 2018 due to transfer pump issues. The GETS was shut down between June 21 and June 24 to allow for new transfer pumps to be installed. The GETS was restarted on June 25, 2018 and operated at a flow rate of 45 gpm from June 25 to June 30.

Compliance samples were collected for oil and grease, biological oxygen demand, total suspended solids, chloride, select polycyclic aromatic hydrocarbons (PAHs), volatile organic compounds, and visual monitoring for sodium permanganate on June 6, 2018. Based on the June 6, 2018 results, a second sample was collected on June 15, 2018 for the PAH group of 10 parameters and a monthly average was calculated per Section 3.5 of the State of Wisconsin Department of Natural Resources General Permit to Discharge Under the Wisconsin Pollutant Discharge Limitation System. The June 6, 2018 compliance sample results for the PAHs Group of 10 was reported at 0.20 µg/L and the June 15, 2018 compliance sample results were below the limit of detection. The monthly average for this parameter was 0.10 µg/L, which is equal to the WPDES discharge limit, indicating compliance. All other parameters were below the WPDES discharge limits. The Discharge Monitoring Report for June 2018 is included as Attachment A and laboratory reports are included as Attachment B.

In addition, during transfer pump replacement, the air stripper was cleaned. An additional sample was collected on June 25, 2018 for total suspended solids following the cleaning process and results were below the WPDES discharge limit.

If you have any questions or need additional information, please contact me at msheppard@madison-kipp.com or (608) 242-5207.

Mark Sheppard

Madison-Kipp Corporation

Attachment A Discharge Monitoring Report Form
Attachment B Laboratory Reports

Copies:
Andrew Stehn - TRC (electronic)
Mike Schmoller - WDNR (electronic)
Wendy Weihemuller - WDNR (electronic)
George Parrino - Madison Department of Health (electronic)

Attachment A
Discharge Monitoring Report Form

DISCHARGE MONITORING REPORT FORM **Year:____2018_____**
Contaminated Groundwater from Remedial Action Operations - Surface Water Discharge
Permit No. WI-0046566-6 Rev. December16, 2013

Facility Name and Location
Madison Kipp Corporation
201 Waubesa St
Madison, WI 53704
Consultant Managing Project: TRC
FIN#:

Outfall # and Description		Flow (gal/day)	Oil & Grease (mg/L)	BOD_5 (mg/L)	Total BETX (µg/L)	PAHs group of 10 (µg/L)	Benzo(a) pyrene (µg/L)	Naphthalene (µg/L)	Sodium Permanganate (mg/L)	Benzene (µg/L)	TSS (mg/L)
Effluent	Month: June 6, 2018	57,600 - 64,800	2.5 J B	<2.0	<0.40	0.20	<0.022	0.067 J	Absent	<0.15	3.5 J
	June 15, 2018	57,600 – 64,800	--	--	--	<0.046	<0.023	<0.046	Absent	--	--
	June 25, 2018	57,600 – 64,800	--	--	--	--	--	--	Absent	--	2.5 J
See Footnotes		(4) (8)	(5) (6)		(1)	(2)(9)		(6)	(3)		(6)
Effluent Limits (refer to sec. 4 of the permit)		--	10 mg/l	20 mg/L	750 µg/L	0.1 µg/l	0.1 µg/l	70 µg/l	--	50 µg/l	40 mg/L
Sample Frequency: Pre-treatment		Monthly	Quarterly	Quarterly	Monthly	Quarterly	Quarterly	Quarterly	Monthly	Monthly	Quarterly
Sample Frequency: Post-treatment		Monthly	Quarterly	Quarterly	Monthly	Quarterly	Quarterly	Quarterly	Monthly	Monthly	Quarterly
Sample Type		Estimate	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Impaired or TMDL surface waters			Does this facility discharge a pollutant of concern to an impaired surface water or to a surface water with a TMDL allocation? ○ No ⊘ Yes								

Outfall # and Description		VOCs (µg/L)	Vinyl Chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	1,1-Dichloroethene (µg/L)	Tetrachloroethene (µg/L)	Chloride (mg/L)	cis-1,2-Dichloroethene (µg/L)	Trichloroethene (µg/L)	
Effluent	Month: June 6, 2018	30.2	<0.20	<0.35	<0.39	15	120	11	4.2	
	June 15, 2018	--	--	--	--	--	--	--	--	
	June 25, 2018	--	--	--	--	--	--	--	--	
See Footnotes		(4)		(4)				(4)		
Effluent Limits (refer to sec. 4 of the permit)		--	10 µg/L	--	50 µg/L	50 µg/L	395 mg/L	--	50 µg/L	
Sample Frequency: Pre-treatment		Monthly	Monthly	Monthly	Monthly	Monthly	Quarterly	Monthly	Monthly	
Sample Frequency: Post-treatment		Monthly	Monthly	Monthly	Monthly	Monthly	Quarterly	Monthly	Monthly	
Sample Type		Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	

FOOTNOTES:

(1) Total BETX is the sum of the benzene, ethylbenzene, toluene and xylene concentrations. If all compounds were below their corresponding laboratory detection limits, then the highest detection limit of the BTEX compounds was noted.
(2) PAH group of 10 (Polynuclear Aromatic Hydrocarbons) include the sum of the following individual compounds: benzo(a)anthracene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene. If all compounds were below their corresponding laboratory detection limits, then the highest detection limit of the PAH group compounds was noted.
(3) Madison-Kipp/TRC will conduct visual monitoring for this compound.
(4) No effluent limit is established, refer to section 4 of the permit.
(5) B = Compound was found in the blank and in the sample.
(6) J = Estimated value. Analyte detected at a level less than the reporting limit and greater than or equal to the detection limit.
(7) M = Matrix Spike and/or Matrix Spike Duplicate Recovery is outside acceptance limits.
(8) GETS operated at 40 gpm between June 1 and June 20, 2018, and was adjusted to 45 GPM on June 25, 2018 following pump repairs that were completed June 21 to 24, 2018.
(9) Two samples were collected during the month of June for the PAH group of 10 and a monthly average was calculated per Section 3.5 of the State of Wisconsin Department of Natural Resources General Permit to Discharge Under the Wisconsin Pollutant Discharge Limitation System. The monthly average was equal to 0.1 µg/L.

DIRECTIONS:

- For "Outfall # and Description" enter the number of the outfall you are reporting (001 or 002, etc.) and the source of wastewater, (petroleum contact, tank bottom water, scrap and waste storage area oily water, or secondary containment). Copy and use a new form for each outfall.
- Monitoring for a given parameter depends on if the discharge is to surface water or groundwater, and petroleum category.
- The value entered must be the highest value of all samples analyzed for that day.
- For each quarter, indicate the month monitoring occurred next to "Month"
- Include as separate attachments to this form the annual reports for (a)waste oil and solids removed, and (b) tank bottom water disposal.

RETURN REPORT BY: **July 15, of the year following completion of monitoring**

RETURN TO: **ATTN: Nicholas Bertolas**
Department of Natural Resources
3911 Fish Hatchery Rd.
Fitchburg, WI 53711

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment, (40 CFR 122.5). I also certify that the values being submitted are the actual values found in the samples; no values have been modified or changed in any manner. Wherever I believe a value being reported is inaccurate, I have added an explanation indicating the reasons why the value is inaccurate.

Andrew M. Stelzer — 7-5-2018
Signature of Person Completing Form — Date

7-5-2018
Signature of Principal Exec. or Authorized Agent — Date

Attachment B
Laboratory Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-146536-1
Client Project/Site: MadisonKipp - GETS 292257

For:
TRC Environmental Corporation.
708 Heartland Trail
Suite 3000
Madison, Wisconsin 53717

Attn: Andrew Stehn

Sandie Fredrick

Authorized for release by:
6/14/2018 5:38:03 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Detection Summary 4
Method Summary 5
Sample Summary 6
Client Sample Results 7
Definitions 11
QC Association 12
Surrogate Summary 14
QC Sample Results 15
Chronicle 20
Certification Summary 21
Chain of Custody 22
Receipt Checklists 28

Job ID: 500-146536-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-146536-1

Comments
No additional comments.

Receipt
The samples were received on 6/7/2018 9:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 625 SIM: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 490-520787 and analytical batch 490-520954.

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

General Chemistry
Method(s) 300.0: The IC8 continuing calibration verification (CCV) associated with batch 500-436508 recovered above the upper control limit for Chloride. The samples associated with this CCV were batch QC which met acceptance criteria for the affected analyte; therefore, the data have been reported. The following samples are impacted: (LCS 500-436508/34) and (MB 500-436508/23).

Method(s) 300.0: The IC8 continuing calibration blank (CCB) for analytical batch 500-436508 contained Chloride above the reporting limit (RL). The samples associated with this CCB were batch QC which met acceptance criteria for the target compound; therefore, re-analysis of samples was not performed.

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

Organic Prep
Method(s) 3510C, 625: The following samples formed emulsions during the extraction procedure: Influent (500-146536-1) and Effluent (500-146536-2). The emulsions were broken up using centrifugation

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

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 500-146536-1

Client Sample ID: Influent — Lab Sample ID: 500-146536-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	120		5.0	2.0	ug/L	5		624	Total/NA
Trichloroethene	170		2.5	0.82	ug/L	5		624	Total/NA
Tetrachloroethene - DL	1700		50	19	ug/L	50		624	Total/NA
Naphthalene	0.045	J	0.086	0.043	ug/L	1		625 SIM	Total/NA
Phenanthrene	0.12		0.086	0.043	ug/L	1		625 SIM	Total/NA
Chloride	130		5.0	4.3	mg/L	25		300.0	Total/NA
Total Suspended Solids	2.0	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA

Client Sample ID: Effluent — Lab Sample ID: 500-146536-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	11		1.0	0.41	ug/L	1		624	Total/NA
Tetrachloroethene	15		1.0	0.37	ug/L	1		624	Total/NA
Trichloroethene	4.2		0.50	0.16	ug/L	1		624	Total/NA
Naphthalene	0.067	J	0.086	0.043	ug/L	1		625 SIM	Total/NA
Phenanthrene	0.20		0.086	0.043	ug/L	1		625 SIM	Total/NA
HEM (Oil & Grease)	2.5	J B	4.8	1.3	mg/L	1		1664B	Total/NA
Chloride	120		5.0	4.3	mg/L	25		300.0	Total/NA
Total Suspended Solids	3.5	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-146536-3

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 500-146536-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL CHI
625 SIM	Semivolatile Organic Compounds GC/MS (SIM)	40CFR136A	TAL NSH
1664B	HEM and SGT-HEM	1664B	TAL CHI
300.0	Anions, Ion Chromatography	MCAWW	TAL CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL CHI
SM 5210B	BOD, 5-Day	SM	TAL CHI
1664B	HEM and SGT-HEM (SPE)	1664B	TAL CHI
625	Liquid-Liquid Extraction	40CFR136A	TAL NSH

Protocol References:

1664B = EPA-821-98-002

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 500-146536-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-146536-1	Influent	Water	06/06/18 11:35	06/07/18 09:10
500-146536-2	Effluent	Water	06/06/18 11:50	06/07/18 09:10
500-146536-3	Trip Blank	Water	06/06/18 00:00	06/07/18 09:10

Client Sample ID: Influent

Date Collected: 06/06/18 11:35
Date Received: 06/07/18 09:10

Lab Sample ID: 500-146536-1

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.73		2.5	0.73	ug/L			06/14/18 04:06	5
Bromoform	<2.2		5.0	2.2	ug/L			06/14/18 04:06	5
Carbon tetrachloride	<1.9		5.0	1.9	ug/L			06/14/18 04:06	5
Chloroform	<1.9		10	1.9	ug/L			06/14/18 04:06	5
cis-1,2-Dichloroethene	**120**		5.0	2.0	ug/L			06/14/18 04:06	5
Dichlorobromomethane	<1.9		5.0	1.9	ug/L			06/14/18 04:06	5
1,2-Dichloroethane	<2.0		5.0	2.0	ug/L			06/14/18 04:06	5
1,1-Dichloroethene	<2.0		5.0	2.0	ug/L			06/14/18 04:06	5
Ethylbenzene	<0.92		2.5	0.92	ug/L			06/14/18 04:06	5
Methyl bromide	<3.2		10	3.2	ug/L			06/14/18 04:06	5
Methyl chloride	<1.6		5.0	1.6	ug/L			06/14/18 04:06	5
Methyl tert-butyl ether	<2.0		5.0	2.0	ug/L			06/14/18 04:06	5
1,1,2,2-Tetrachloroethane	<2.0		5.0	2.0	ug/L			06/14/18 04:06	5
Toluene	<0.76		2.5	0.76	ug/L			06/14/18 04:06	5
trans-1,2-Dichloroethene	<1.7		5.0	1.7	ug/L			06/14/18 04:06	5
1,1,1-Trichloroethane	<1.9		5.0	1.9	ug/L			06/14/18 04:06	5
1,1,2-Trichloroethane	<1.8		5.0	1.8	ug/L			06/14/18 04:06	5
Trichloroethene	**170**		2.5	0.82	ug/L			06/14/18 04:06	5
Vinyl chloride	<1.0		5.0	1.0	ug/L			06/14/18 04:06	5
Xylenes, Total	<2.0		5.0	2.0	ug/L			06/14/18 04:06	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*71 - 120*		*06/14/18 04:06*	*5*
1,2-Dichloroethane-d4 (Surr)	*88*		*71 - 127*		*06/14/18 04:06*	*5*
Toluene-d8 (Surr)	*96*		*75 - 120*		*06/14/18 04:06*	*5*

Method: 624 - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**1700**		50	19	ug/L			06/14/18 04:31	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*71 - 120*		*06/14/18 04:31*	*50*
1,2-Dichloroethane-d4 (Surr)	*97*		*71 - 127*		*06/14/18 04:31*	*50*
Toluene-d8 (Surr)	*97*		*75 - 120*		*06/14/18 04:31*	*50*

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<0.022		0.043	0.022	ug/L		06/10/18 17:28	06/11/18 18:44	1
Benzo[a]pyrene	<0.022		0.043	0.022	ug/L		06/10/18 17:28	06/11/18 18:44	1
Benzo[b]fluoranthene	<0.022		0.043	0.022	ug/L		06/10/18 17:28	06/11/18 18:44	1
Benzo[g,h,i]perylene	<0.043		0.086	0.043	ug/L		06/10/18 17:28	06/11/18 18:44	1
Benzo[k]fluoranthene	<0.043		0.086	0.043	ug/L		06/10/18 17:28	06/11/18 18:44	1
Chrysene	<0.043		0.086	0.043	ug/L		06/10/18 17:28	06/11/18 18:44	1
Dibenz(a,h)anthracene	<0.022		0.043	0.022	ug/L		06/10/18 17:28	06/11/18 18:44	1
Fluoranthene	<0.043		0.086	0.043	ug/L		06/10/18 17:28	06/11/18 18:44	1
Indeno[1,2,3-cd]pyrene	<0.022		0.043	0.022	ug/L		06/10/18 17:28	06/11/18 18:44	1
Naphthalene	**0.045**	**J**	0.086	0.043	ug/L		06/10/18 17:28	06/11/18 18:44	1
Phenanthrene	**0.12**		0.086	0.043	ug/L		06/10/18 17:28	06/11/18 18:44	1
Pyrene	<0.043		0.086	0.043	ug/L		06/10/18 17:28	06/11/18 18:44	1

Client Sample ID: Influent

Date Collected: 06/06/18 11:35
Date Received: 06/07/18 09:10

Lab Sample ID: 500-146536-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*63*		*27 - 120*	*06/10/18 17:28*	*06/11/18 18:44*	*1*
Terphenyl-d14	*64*		*13 - 120*	*06/10/18 17:28*	*06/11/18 18:44*	*1*
2-Fluorobiphenyl (Surr)	*63*		*10 - 120*	*06/10/18 17:28*	*06/11/18 18:44*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	<1.3		4.9	1.3	mg/L		06/11/18 18:22	06/11/18 20:10	1
Chloride	**130**		5.0	4.3	mg/L			06/12/18 05:31	25
Total Suspended Solids	**2.0**	**J**	5.0	1.9	mg/L			06/13/18 13:03	1
Biochemical Oxygen Demand	<2.0		2.0	2.0	mg/L			06/07/18 14:55	1

Client Sample ID: Effluent

Date Collected: 06/06/18 11:50
Date Received: 06/07/18 09:10

Lab Sample ID: 500-146536-2
Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/14/18 04:56	1
Bromoform	<0.45		1.0	0.45	ug/L			06/14/18 04:56	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/18 04:56	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/18 04:56	1
cis-1,2-Dichloroethene	**11**		1.0	0.41	ug/L			06/14/18 04:56	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			06/14/18 04:56	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/18 04:56	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/18 04:56	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/18 04:56	1
Methyl bromide	<0.65		2.0	0.65	ug/L			06/14/18 04:56	1
Methyl chloride	<0.32		1.0	0.32	ug/L			06/14/18 04:56	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/18 04:56	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/18 04:56	1
Tetrachloroethene	**15**		1.0	0.37	ug/L			06/14/18 04:56	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/18 04:56	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/18 04:56	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/18 04:56	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/18 04:56	1
Trichloroethene	**4.2**		0.50	0.16	ug/L			06/14/18 04:56	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/18 04:56	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			06/14/18 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*71 - 120*		*06/14/18 04:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*71 - 127*		*06/14/18 04:56*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*06/14/18 04:56*	*1*

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<0.022		0.043	0.022	ug/L		06/10/18 17:28	06/11/18 19:05	1
Benzo[a]pyrene	<0.022		0.043	0.022	ug/L		06/10/18 17:28	06/11/18 19:05	1
Benzo[b]fluoranthene	<0.022		0.043	0.022	ug/L		06/10/18 17:28	06/11/18 19:05	1
Benzo[g,h,i]perylene	<0.043		0.086	0.043	ug/L		06/10/18 17:28	06/11/18 19:05	1
Benzo[k]fluoranthene	<0.043		0.086	0.043	ug/L		06/10/18 17:28	06/11/18 19:05	1

Client Sample ID: Effluent

Lab Sample ID: 500-146536-2

Date Collected: 06/06/18 11:50

Matrix: Water

Date Received: 06/07/18 09:10

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	<0.043		0.086	0.043	ug/L		06/10/18 17:28	06/11/18 19:05	1
Dibenz(a,h)anthracene	<0.022		0.043	0.022	ug/L		06/10/18 17:28	06/11/18 19:05	1
Fluoranthene	<0.043		0.086	0.043	ug/L		06/10/18 17:28	06/11/18 19:05	1
Indeno[1,2,3-cd]pyrene	<0.022		0.043	0.022	ug/L		06/10/18 17:28	06/11/18 19:05	1
Naphthalene	**0.067**	**J**	0.086	0.043	ug/L		06/10/18 17:28	06/11/18 19:05	1
Phenanthrene	**0.20**		0.086	0.043	ug/L		06/10/18 17:28	06/11/18 19:05	1
Pyrene	<0.043		0.086	0.043	ug/L		06/10/18 17:28	06/11/18 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*68*		*27 - 120*	*06/10/18 17:28*	*06/11/18 19:05*	*1*
Terphenyl-d14	*75*		*13 - 120*	*06/10/18 17:28*	*06/11/18 19:05*	*1*
2-Fluorobiphenyl (Surr)	*70*		*10 - 120*	*06/10/18 17:28*	*06/11/18 19:05*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	**2.5**	**J B**	4.8	1.3	mg/L		06/11/18 18:34	06/11/18 20:10	1
Chloride	**120**		5.0	4.3	mg/L			06/12/18 05:44	25
Total Suspended Solids	**3.5**	**J**	5.0	1.9	mg/L			06/13/18 13:04	1
Biochemical Oxygen Demand	<2.0		2.0	2.0	mg/L			06/07/18 15:10	1

Client Sample ID: Trip Blank

Lab Sample ID: 500-146536-3

Date Collected: 06/06/18 00:00

Matrix: Water

Date Received: 06/07/18 09:10

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/13/18 22:42	1
Bromoform	<0.45		1.0	0.45	ug/L			06/13/18 22:42	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/18 22:42	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/18 22:42	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/18 22:42	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			06/13/18 22:42	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/18 22:42	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/18 22:42	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/18 22:42	1
Methyl bromide	<0.65		2.0	0.65	ug/L			06/13/18 22:42	1
Methyl chloride	<0.32		1.0	0.32	ug/L			06/13/18 22:42	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/18 22:42	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/18 22:42	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/18 22:42	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/18 22:42	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/18 22:42	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/18 22:42	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/18 22:42	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/13/18 22:42	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/18 22:42	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			06/13/18 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*71 - 120*		*06/13/18 22:42*	*1*

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 500-146536-1

Client Sample ID: Trip Blank
Date Collected: 06/06/18 00:00
Date Received: 06/07/18 09:10

Lab Sample ID: 500-146536-3
Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		71 - 127		06/13/18 22:42	1
Toluene-d8 (Surr)	93		75 - 120		06/13/18 22:42	1

Qualifiers

GC/MS Semi VOA

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

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.

Glossary

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

QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 500-146536-1

GC/MS VOA

Analysis Batch: 436668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-146536-1	Influent	Total/NA	Water	624	
500-146536-1 - DL	Influent	Total/NA	Water	624	
500-146536-2	Effluent	Total/NA	Water	624	
500-146536-3	Trip Blank	Total/NA	Water	624	
MB 500-436668/31	Method Blank	Total/NA	Water	624	
LCS 500-436668/29	Lab Control Sample	Total/NA	Water	624	

GC/MS Semi VOA

Prep Batch: 520787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-146536-1	Influent	Total/NA	Water	625	
500-146536-2	Effluent	Total/NA	Water	625	
MB 490-520787/1-A	Method Blank	Total/NA	Water	625	
LCS 490-520787/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 490-520787/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Analysis Batch: 520954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-146536-1	Influent	Total/NA	Water	625 SIM	520787
500-146536-2	Effluent	Total/NA	Water	625 SIM	520787
MB 490-520787/1-A	Method Blank	Total/NA	Water	625 SIM	520787
LCS 490-520787/2-A	Lab Control Sample	Total/NA	Water	625 SIM	520787
LCSD 490-520787/3-A	Lab Control Sample Dup	Total/NA	Water	625 SIM	520787

General Chemistry

Analysis Batch: 435852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-146536-1	Influent	Total/NA	Water	SM 5210B	
500-146536-2	Effluent	Total/NA	Water	SM 5210B	
USB 500-435852/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 500-435852/2	Lab Control Sample	Total/NA	Water	SM 5210B	
LCSD 500-435852/3	Lab Control Sample Dup	Total/NA	Water	SM 5210B	

Prep Batch: 436354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-146536-1	Influent	Total/NA	Water	1664B	
500-146536-2	Effluent	Total/NA	Water	1664B	
MB 500-436354/1-A	Method Blank	Total/NA	Water	1664B	
LCS 500-436354/2-A	Lab Control Sample	Total/NA	Water	1664B	

Analysis Batch: 436384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-146536-1	Influent	Total/NA	Water	1664B	436354
500-146536-2	Effluent	Total/NA	Water	1664B	436354
MB 500-436354/1-A	Method Blank	Total/NA	Water	1664B	436354
LCS 500-436354/2-A	Lab Control Sample	Total/NA	Water	1664B	436354

General Chemistry (Continued)

Analysis Batch: 436508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-146536-1	Influent	Total/NA	Water	300.0	
500-146536-2	Effluent	Total/NA	Water	300.0	
MB 500-436508/23	Method Blank	Total/NA	Water	300.0	
LCS 500-436508/34	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 436742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-146536-1	Influent	Total/NA	Water	SM 2540D	
500-146536-2	Effluent	Total/NA	Water	SM 2540D	
MB 500-436742/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-436742/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-146536-2 DU	Effluent	Total/NA	Water	SM 2540D	

Surrogate Summary

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 500-146536-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DCA	TOL
Lab Sample ID	Client Sample ID	(71-120)	(71-127)	(75-120)
500-146536-1	Influent	111	88	96
500-146536-1 - DL	Influent	111	97	97
500-146536-2	Effluent	111	93	97
500-146536-3	Trip Blank	107	97	93
LCS 500-436668/29	Lab Control Sample	98	93	95
MB 500-436668/31	Method Blank	108	93	90

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	TPHL	FBP
Lab Sample ID	Client Sample ID	(27-120)	(13-120)	(10-120)
500-146536-1	Influent	63	64	63
500-146536-2	Effluent	68	75	70
LCS 490-520787/2-A	Lab Control Sample	64	60	61
LCSD 490-520787/3-A	Lab Control Sample Dup	66	67	66
MB 490-520787/1-A	Method Blank	63	64	64

Surrogate Legend

NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
FBP = 2-Fluorobiphenyl (Surr)

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-436668/31
Matrix: Water
Analysis Batch: 436668

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/13/18 22:17	1
Bromoform	<0.45		1.0	0.45	ug/L			06/13/18 22:17	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/18 22:17	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/18 22:17	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/18 22:17	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			06/13/18 22:17	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/18 22:17	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/18 22:17	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/18 22:17	1
Methyl bromide	<0.65		2.0	0.65	ug/L			06/13/18 22:17	1
Methyl chloride	<0.32		1.0	0.32	ug/L			06/13/18 22:17	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/18 22:17	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/18 22:17	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/18 22:17	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/18 22:17	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/18 22:17	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/18 22:17	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/18 22:17	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/13/18 22:17	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/18 22:17	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			06/13/18 22:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*71 - 120*		*06/13/18 22:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*71 - 127*		*06/13/18 22:17*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*06/13/18 22:17*	*1*

Lab Sample ID: LCS 500-436668/29
Matrix: Water
Analysis Batch: 436668

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	46.5		ug/L		93	37 - 151
Bromoform	50.0	50.2		ug/L		100	45 - 169
Carbon tetrachloride	50.0	42.7		ug/L		85	70 - 140
Chloroform	50.0	44.0		ug/L		88	51 - 138
cis-1,2-Dichloroethene	50.0	46.6		ug/L		93	70 - 130
Dichlorobromomethane	50.0	47.3		ug/L		95	35 - 155
1,2-Dichloroethane	50.0	47.7		ug/L		95	49 - 155
1,1-Dichloroethene	50.0	43.5		ug/L		87	10 - 234
Ethylbenzene	50.0	42.9		ug/L		86	37 - 162
Methyl bromide	50.0	39.1		ug/L		78	10 - 242
Methyl chloride	50.0	54.8		ug/L		110	10 - 273
m&p-Xylene	50.0	41.9		ug/L		84	
o-Xylene	50.0	43.8		ug/L		88	
1,1,2,2-Tetrachloroethane	50.0	49.5		ug/L		99	46 - 157
Tetrachloroethene	50.0	51.9		ug/L		104	64 - 148
Toluene	50.0	46.4		ug/L		93	47 - 150

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-436668/29
Matrix: Water
Analysis Batch: 436668

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
trans-1,2-Dichloroethene			50.0	45.1		ug/L		90	54 - 156		
1,1,1-Trichloroethane			50.0	42.7		ug/L		85	52 - 162		
1,1,2-Trichloroethane			50.0	50.9		ug/L		102	52 - 150		
Trichloroethene			50.0	51.2		ug/L		102	71 - 157		
Vinyl chloride			50.0	47.3		ug/L		95	10 - 251		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*71 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*71 - 127*
Toluene-d8 (Surr)	*95*		*75 - 120*

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Lab Sample ID: MB 490-520787/1-A
Matrix: Water
Analysis Batch: 520954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 520787

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<0.025		0.050	0.025	ug/L		06/10/18 17:28	06/11/18 16:21	1
Benzo[a]pyrene	<0.025		0.050	0.025	ug/L		06/10/18 17:28	06/11/18 16:21	1
Benzo[b]fluoranthene	<0.025		0.050	0.025	ug/L		06/10/18 17:28	06/11/18 16:21	1
Benzo[g,h,i]perylene	<0.050		0.10	0.050	ug/L		06/10/18 17:28	06/11/18 16:21	1
Benzo[k]fluoranthene	<0.050		0.10	0.050	ug/L		06/10/18 17:28	06/11/18 16:21	1
Chrysene	<0.050		0.10	0.050	ug/L		06/10/18 17:28	06/11/18 16:21	1
Dibenz(a,h)anthracene	<0.025		0.050	0.025	ug/L		06/10/18 17:28	06/11/18 16:21	1
Fluoranthene	<0.050		0.10	0.050	ug/L		06/10/18 17:28	06/11/18 16:21	1
Indeno[1,2,3-cd]pyrene	<0.025		0.050	0.025	ug/L		06/10/18 17:28	06/11/18 16:21	1
Naphthalene	<0.050		0.10	0.050	ug/L		06/10/18 17:28	06/11/18 16:21	1
Phenanthrene	<0.050		0.10	0.050	ug/L		06/10/18 17:28	06/11/18 16:21	1
Pyrene	<0.050		0.10	0.050	ug/L		06/10/18 17:28	06/11/18 16:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*63*		*27 - 120*	*06/10/18 17:28*	*06/11/18 16:21*	*1*
Terphenyl-d14	*64*		*13 - 120*	*06/10/18 17:28*	*06/11/18 16:21*	*1*
2-Fluorobiphenyl (Surr)	*64*		*10 - 120*	*06/10/18 17:28*	*06/11/18 16:21*	*1*

Lab Sample ID: LCS 490-520787/2-A
Matrix: Water
Analysis Batch: 520954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 520787

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzo[a]anthracene			40.0	29.5		ug/L		74	33 - 143		
Benzo[a]pyrene			40.0	30.8		ug/L		77	17 - 163		
Benzo[b]fluoranthene			40.0	29.6		ug/L		74	24 - 159		
Benzo[g,h,i]perylene			40.0	30.1		ug/L		75	10 - 219		
Benzo[k]fluoranthene			40.0	30.0		ug/L		75	11 - 162		
Chrysene			40.0	29.5		ug/L		74	17 - 168		

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM) (Continued)

Lab Sample ID: LCS 490-520787/2-A
Matrix: Water
Analysis Batch: 520954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 520787

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenz(a,h)anthracene	40.0	30.7		ug/L		77	10 - 227
Fluoranthene	40.0	29.2		ug/L		73	26 - 137
Indeno[1,2,3-cd]pyrene	40.0	30.1		ug/L		75	10 - 171
Naphthalene	40.0	27.6		ug/L		69	21 - 133
Phenanthrene	40.0	29.5		ug/L		74	54 - 120
Pyrene	40.0	29.4		ug/L		73	52 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*64*		*27 - 120*
Terphenyl-d14	*60*		*13 - 120*
2-Fluorobiphenyl (Surr)	*61*		*10 - 120*

Lab Sample ID: LCSD 490-520787/3-A
Matrix: Water
Analysis Batch: 520954

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 520787

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene	40.0	32.8		ug/L		82	33 - 143	11	30
Benzo[a]pyrene	40.0	34.3		ug/L		86	17 - 163	11	30
Benzo[b]fluoranthene	40.0	33.7		ug/L		84	24 - 159	13	30
Benzo[g,h,i]perylene	40.0	33.7		ug/L		84	10 - 219	11	30
Benzo[k]fluoranthene	40.0	33.7		ug/L		84	11 - 162	12	30
Chrysene	40.0	32.9		ug/L		82	17 - 168	11	30
Dibenz(a,h)anthracene	40.0	35.0		ug/L		87	10 - 227	13	30
Fluoranthene	40.0	32.2		ug/L		80	26 - 137	10	30
Indeno[1,2,3-cd]pyrene	40.0	33.9		ug/L		85	10 - 171	12	30
Naphthalene	40.0	29.7		ug/L		74	21 - 133	8	30
Phenanthrene	40.0	32.5		ug/L		81	54 - 120	10	30
Pyrene	40.0	32.5		ug/L		81	52 - 115	10	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5	*66*		*27 - 120*
Terphenyl-d14	*67*		*13 - 120*
2-Fluorobiphenyl (Surr)	*66*		*10 - 120*

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 500-436354/1-A
Matrix: Water
Analysis Batch: 436384

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 436354

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	1.30	J	5.0	1.3	mg/L		06/11/18 15:20	06/11/18 20:10	1

Method: 1664B - HEM and SGT-HEM (Continued)

Lab Sample ID: LCS 500-436354/2-A
Matrix: Water
Analysis Batch: 436384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436354

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM (Oil & Grease)	40.0	37.40		mg/L		93	78 - 114

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-436508/23
Matrix: Water
Analysis Batch: 436508

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.17		0.20	0.17	mg/L			06/11/18 21:55	1

Lab Sample ID: LCS 500-436508/34
Matrix: Water
Analysis Batch: 436508

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	3.00	2.95		mg/L		98	90 - 110

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-436742/1
Matrix: Water
Analysis Batch: 436742

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			06/13/18 12:55	1

Lab Sample ID: LCS 500-436742/2
Matrix: Water
Analysis Batch: 436742

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	200	185		mg/L		93	80 - 120

Lab Sample ID: 500-146536-2 DU
Matrix: Water
Analysis Batch: 436742

Client Sample ID: Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	3.5	J	4.00	J F5	mg/L		13	5

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 500-435852/1
Matrix: Water
Analysis Batch: 435852

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	<2.0		2.0	2.0	mg/L			06/07/18 13:13	1

Lab Sample ID: LCS 500-435852/2
Matrix: Water
Analysis Batch: 435852

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	212		mg/L		107	85 - 115

Lab Sample ID: LCSD 500-435852/3
Matrix: Water
Analysis Batch: 435852

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Biochemical Oxygen Demand	198	206		mg/L		104	85 - 115	3	20

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 500-146536-1

Client Sample ID: Influent

Lab Sample ID: 500-146536-1

Date Collected: 06/06/18 11:35

Matrix: Water

Date Received: 06/07/18 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	436668	06/14/18 04:06	PMF	TAL CHI
Total/NA	Analysis	624	DL	50	436668	06/14/18 04:31	PMF	TAL CHI
Total/NA	Prep	625			520787	06/10/18 17:28	JKG	TAL NSH
Total/NA	Analysis	625 SIM		1	520954	06/11/18 18:44	RP	TAL NSH
Total/NA	Prep	1664B			436354	06/11/18 18:22	SA	TAL CHI
Total/NA	Analysis	1664B		1	436384	06/11/18 20:10	SA	TAL CHI
Total/NA	Analysis	300.0		25	436508	06/12/18 05:31	EAT	TAL CHI
Total/NA	Analysis	SM 2540D		1	436742		SMO	TAL CHI
					(Start)	06/13/18 13:03		
					(End)	06/13/18 13:04		
Total/NA	Analysis	SM 5210B		1	435852		SSN	TAL CHI
					(Start)	06/07/18 14:55		
					(End)	06/07/18 15:10		

Client Sample ID: Effluent

Lab Sample ID: 500-146536-2

Date Collected: 06/06/18 11:50

Matrix: Water

Date Received: 06/07/18 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	436668	06/14/18 04:56	PMF	TAL CHI
Total/NA	Prep	625			520787	06/10/18 17:28	JKG	TAL NSH
Total/NA	Analysis	625 SIM		1	520954	06/11/18 19:05	RP	TAL NSH
Total/NA	Prep	1664B			436354	06/11/18 18:34	SA	TAL CHI
Total/NA	Analysis	1664B		1	436384	06/11/18 20:10	SA	TAL CHI
Total/NA	Analysis	300.0		25	436508	06/12/18 05:44	EAT	TAL CHI
Total/NA	Analysis	SM 2540D		1	436742		SMO	TAL CHI
					(Start)	06/13/18 13:04		
					(End)	06/13/18 13:06		
Total/NA	Analysis	SM 5210B		1	435852		SSN	TAL CHI
					(Start)	06/07/18 15:10		
					(End)	06/07/18 15:25		

Client Sample ID: Trip Blank

Lab Sample ID: 500-146536-3

Date Collected: 06/06/18 00:00

Matrix: Water

Date Received: 06/07/18 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	436668	06/13/18 22:42	PMF	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

Client: TRC Environmental Corporation. TestAmerica Job ID: 500-146536-1
Project/Site: MadisonKipp - GETS 292257

Laboratory: TestAmerica Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	999580010	08-31-18

Laboratory: TestAmerica Nashville

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	998020430	08-31-18

Chain of Custody Record

267268

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andy Stehn	Site Contact: Andy Stehn	Date: 6/6/18	COC No: 267268
Company Name: TRC	Tel/Fax: (608) 826-3665	Lab Contact: Sandy Fredrick	Carrier: Fed Ex	___ of 1 COCs
Address: 708 Heartland Tr.	Analysis Turnaround Time			Sampler: J. Roelke
City/State/Zip: Madison WI 53717	☒ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (608) 826-3665	TAT if different from Below ____			Walk-in Client:
Fax:	~~2 weeks~~			Lab Sampling:
Project Name: Madison Kipp Corp.	☒ 1 week EDD-6/6/18			
Site: Madison WI	☐ 2 days			Job / SDG No.: 500-146536
PO # 117375	☐ 1 day			

500-146536 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	PAHs	BOD/TSS, Chloride	Oil & Grease	Sample Specific Notes:
1 Influent	6/6/18	1135	G	W	8	N	N	3	2	1	2	
2 Effluent	6/6/18	1150	G	W	8	N	N	3	2	1	2	
3 Trip Blank	4/24/18	—	G	W	1			1				

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☒ Yes ☐ No	Custody Seal No.: 228605	Cooler Temp. (°C): Obs'd: 0.6	Corr'd: 0.1	Therm ID No.: ____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TRC	6/6/18 1505			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
				TA-CHI	6/7/18 0910

Parameter	Method
VOCs	
Bromoform	624
Carbon Tetrachloride	624
Dichlorobromomethane	624
1,2-Dichloroethane	624
1,1-Dichloroethylene	624
Methyl Bromide	624
Methyl Chloride	624
1,1,2,2-Tetrachloroethane	624
Tetrachloroethylene	624
1,1,2-Trichloroethane	624
1,1,1-Trichloroethane	624
Trichloroethylene	624
Vinyl Chloride	624
Cis-1,2-Dichloroethene	624
Trans-1,2-Dichloroethene	624
TSS	
Suspended Solids, Total	2540D
BTEX	
Benzene	624
Toluene	
Ethylbenzene	
Xylenes	

PAHs (Group of 10)	
Benzo(a)anthracene	625 SIM
Benzo(b)fluoranthene	
Benzo(g,h,i)perylene	
Benzo(k)fluoranthene	
Chrysene	
Dibenzo(a,h)anthracene	
Fluoranthene	
Indeno(1,2,3-cd)pyrene	
Phenanthrene	
Pyrene	
PAHs	
Benzo(a)pyrene	625 SIM
Naphthalene	
Oil and Grease	
Oil and Grease	1664
BOD_5	
BOD_5	5210B
Anions	
Chloride	300

500-146536 Waybill


ORIGIN ID:PHDA (330) 966-9677
ANDREW STEHN
TRC ENVIRONMENTAL CORPORATION.
708 HEARTLAND TRAIL
SUITE 3000
MADISON, WI 53717
UNITED STATES US

SHIP DATE: 24MAY18
ACTWGT: 10.00 LB MAN
CAD: 0562065/CAFE3209

TO SAMPLE RECEIVING
TESTAMERICA CHICAGO
2417 BOND STREET

UNIVERSITY PARK IL 60484
(708) 534-5200
REF: S500-59446

RMA:

FedEx Express

FedEx
TRK# 0221 4433 3389 8049

THU - 07 JUN 10:30A
PRIORITY OVERNIGHT

79 JOTA

60484
IL-US ORD

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Nashville, TN

500-146536 Chain of Custody

COOLER RECEIPT FORM

Cooler Received/Opened On 6/8/2018 @ 0920

Time Samples Removed From Cooler 1415 Time Samples Placed In Storage 1417 (2 Hour Window)

1. Tracking # 2634 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 17960358 pH Strip Lot NA Chlorine Strip Lot NA

2. Temperature of rep. sample or temp blank when opened: 0.7 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) GH

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

Larger than this.

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) GH

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) GH

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) GH

I certify that I attached a label with the unique LIMS number to each container (intial) GH

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form doc

LF-1
End of Form

Revised 8 23 17

Loc: 500
146536

TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie J	COC No: 500-105495.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: sandie.fredrick@testamericainc.com	State of Origin: Wisconsin	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): State Program - Wisconsin	Job #: 500-146536-1
Address: 2960 Foster Creighton Drive,	Due Date Requested: 6/13/2018		
City: Nashville	TAT Requested (days):		
State, Zip: TN, 37204			
Phone: 615-726-0177(Tel) 615-726-3404(Fax)	PO #:		
Email:	WO #:		
Project Name: MadisonKipp - GETS 292257	Project #: 50014136		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	625_SIM/625_Prep_LVI (MOD) Single compound	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Influent (500-146536-1)	6/6/18	11:35 Central		Water			X	2	
Effluent (500-146536-2)	6/6/18	11:50 Central		Water			X	2	

Loc: 500
146536

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	06/07/18 1630	TA		6-8-18/0820	TA-NAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.7

Ver: 09/20/2016

6/14/2018

Login Sample Receipt Checklist

Client: TRC Environmental Corporation.

Job Number: 500-146536-1

Login Number: 146536
List Number: 1
Creator: Scott, Sherri L

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-153954-1
Client Project/Site: MadisonKipp - GETS 292257

For:
TRC Environmental Corporation.
708 Heartland Trail
Suite 3000
Madison, Wisconsin 53717

Attn: Andrew Stehn

Authorized for release by:
6/21/2018 7:35:58 PM
Eric Lang, Manager of Project Management
(708)534-5200
eric.lang@testamericainc.com

Designee for

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

Table of Contents

Cover Page 1
Table of Contents 2
Sample Summary 3
Case Narrative 4
Definitions 5
Client Sample Results 6
QC Sample Results 8
QC Association 11
Chronicle 12
Method Summary 13
Certification Summary 14
Chain of Custody 15

Sample Summary

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 490-153954-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-153954-1	EFFLUENT	Water	06/15/18 17:25	06/16/18 09:00
490-153954-2	INFLUENT	Water	06/15/18 17:35	06/16/18 09:00

Job ID: 490-153954-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-153954-1

Comments
No additional comments.

Receipt
The samples were received on 6/16/2018 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.6º C.

GC/MS Semi VOA
Method(s) 625 SIM: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 490-522797 and analytical batch 490-522964.

Method(s) 625 SIM: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 490-523185 and analytical batch 490-523602.

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

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

Qualifiers

GC/MS Semi VOA

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

Glossary

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

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 490-153954-1

Client Sample ID: EFFLUENT
Date Collected: 06/15/18 17:25
Date Received: 06/16/18 09:00

Lab Sample ID: 490-153954-1
Matrix: Water

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<0.023		0.046	0.023	ug/L		06/19/18 07:30	06/19/18 16:36	1
Benzo[a]pyrene	<0.023		0.046	0.023	ug/L		06/19/18 07:30	06/19/18 16:36	1
Benzo[b]fluoranthene	<0.023		0.046	0.023	ug/L		06/19/18 07:30	06/19/18 16:36	1
Benzo[g,h,i]perylene	<0.046		0.093	0.046	ug/L		06/19/18 07:30	06/19/18 16:36	1
Benzo[k]fluoranthene	<0.046		0.093	0.046	ug/L		06/19/18 07:30	06/19/18 16:36	1
Chrysene	<0.046		0.093	0.046	ug/L		06/19/18 07:30	06/19/18 16:36	1
Dibenz(a,h)anthracene	<0.023		0.046	0.023	ug/L		06/19/18 07:30	06/19/18 16:36	1
Fluoranthene	<0.046		0.093	0.046	ug/L		06/19/18 07:30	06/19/18 16:36	1
Indeno[1,2,3-cd]pyrene	<0.023		0.046	0.023	ug/L		06/19/18 07:30	06/19/18 16:36	1
Naphthalene	<0.046		0.093	0.046	ug/L		06/19/18 07:30	06/19/18 16:36	1
Phenanthrene	<0.046		0.093	0.046	ug/L		06/20/18 14:42	06/21/18 14:32	1
Pyrene	<0.046		0.093	0.046	ug/L		06/19/18 07:30	06/19/18 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*63*		*27 - 120*	*06/19/18 07:30*	*06/19/18 16:36*	*1*
Terphenyl-d14	*75*		*13 - 120*	*06/19/18 07:30*	*06/19/18 16:36*	*1*
2-Fluorobiphenyl (Surr)	*66*		*10 - 120*	*06/19/18 07:30*	*06/19/18 16:36*	*1*

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 490-153954-1

Client Sample ID: INFLUENT
Date Collected: 06/15/18 17:35
Date Received: 06/16/18 09:00

Lab Sample ID: 490-153954-2
Matrix: Water

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<0.023		0.046	0.023	ug/L		06/19/18 07:30	06/19/18 16:57	1
Benzo[a]pyrene	<0.023		0.046	0.023	ug/L		06/19/18 07:30	06/19/18 16:57	1
Benzo[b]fluoranthene	<0.023		0.046	0.023	ug/L		06/19/18 07:30	06/19/18 16:57	1
Benzo[g,h,i]perylene	<0.046		0.093	0.046	ug/L		06/19/18 07:30	06/19/18 16:57	1
Benzo[k]fluoranthene	<0.046		0.093	0.046	ug/L		06/19/18 07:30	06/19/18 16:57	1
Chrysene	<0.046		0.093	0.046	ug/L		06/19/18 07:30	06/19/18 16:57	1
Dibenz(a,h)anthracene	<0.023		0.046	0.023	ug/L		06/19/18 07:30	06/19/18 16:57	1
Fluoranthene	<0.046		0.093	0.046	ug/L		06/19/18 07:30	06/19/18 16:57	1
Indeno[1,2,3-cd]pyrene	<0.023		0.046	0.023	ug/L		06/19/18 07:30	06/19/18 16:57	1
Naphthalene	**0.087**	**J**	0.093	0.046	ug/L		06/19/18 07:30	06/19/18 16:57	1
Phenanthrene	<0.045		0.089	0.045	ug/L		06/20/18 14:42	06/21/18 14:53	1
Pyrene	<0.046		0.093	0.046	ug/L		06/19/18 07:30	06/19/18 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*68*		*27 - 120*	*06/20/18 14:42*	*06/21/18 14:53*	*1*
Terphenyl-d14	*56*		*13 - 120*	*06/20/18 14:42*	*06/21/18 14:53*	*1*
2-Fluorobiphenyl (Surr)	*54*		*10 - 120*	*06/20/18 14:42*	*06/21/18 14:53*	*1*

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Lab Sample ID: MB 490-522797/1-A
Matrix: Water
Analysis Batch: 522964

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 522797

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<0.025		0.050	0.025	ug/L		06/19/18 07:30	06/19/18 16:15	1
Benzo[a]pyrene	<0.025		0.050	0.025	ug/L		06/19/18 07:30	06/19/18 16:15	1
Benzo[b]fluoranthene	<0.025		0.050	0.025	ug/L		06/19/18 07:30	06/19/18 16:15	1
Benzo[g,h,i]perylene	<0.050		0.10	0.050	ug/L		06/19/18 07:30	06/19/18 16:15	1
Benzo[k]fluoranthene	<0.050		0.10	0.050	ug/L		06/19/18 07:30	06/19/18 16:15	1
Chrysene	<0.050		0.10	0.050	ug/L		06/19/18 07:30	06/19/18 16:15	1
Dibenz(a,h)anthracene	<0.025		0.050	0.025	ug/L		06/19/18 07:30	06/19/18 16:15	1
Fluoranthene	<0.050		0.10	0.050	ug/L		06/19/18 07:30	06/19/18 16:15	1
Indeno[1,2,3-cd]pyrene	<0.025		0.050	0.025	ug/L		06/19/18 07:30	06/19/18 16:15	1
Naphthalene	<0.050		0.10	0.050	ug/L		06/19/18 07:30	06/19/18 16:15	1
Phenanthrene	0.188		0.10	0.050	ug/L		06/19/18 07:30	06/19/18 16:15	1
Pyrene	<0.050		0.10	0.050	ug/L		06/19/18 07:30	06/19/18 16:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*69*		*27 - 120*	*06/19/18 07:30*	*06/19/18 16:15*	*1*
Terphenyl-d14	*78*		*13 - 120*	*06/19/18 07:30*	*06/19/18 16:15*	*1*
2-Fluorobiphenyl (Surr)	*73*		*10 - 120*	*06/19/18 07:30*	*06/19/18 16:15*	*1*

Lab Sample ID: LCS 490-522797/2-A
Matrix: Water
Analysis Batch: 522964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 522797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	40.0	33.7		ug/L		84	33 - 143
Benzo[a]pyrene	40.0	39.6		ug/L		99	17 - 163
Benzo[b]fluoranthene	40.0	39.4		ug/L		98	24 - 159
Benzo[g,h,i]perylene	40.0	37.3		ug/L		93	10 - 219
Benzo[k]fluoranthene	40.0	39.9		ug/L		100	11 - 162
Chrysene	40.0	33.5		ug/L		84	17 - 168
Dibenz(a,h)anthracene	40.0	39.3		ug/L		98	10 - 227
Fluoranthene	40.0	32.7		ug/L		82	26 - 137
Indeno[1,2,3-cd]pyrene	40.0	37.6		ug/L		94	10 - 171
Naphthalene	40.0	30.2		ug/L		76	21 - 133
Phenanthrene	40.0	33.7		ug/L		84	54 - 120
Pyrene	40.0	34.6		ug/L		86	52 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*71*		*27 - 120*
Terphenyl-d14	*79*		*13 - 120*
2-Fluorobiphenyl (Surr)	*72*		*10 - 120*

Lab Sample ID: LCSD 490-522797/3-A
Matrix: Water
Analysis Batch: 522964

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 522797

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene	40.0	34.4		ug/L		86	33 - 143	2	30

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM) (Continued)

Lab Sample ID: LCSD 490-522797/3-A
Matrix: Water
Analysis Batch: 522964

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 522797

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]pyrene			40.0	40.8		ug/L		102	17 - 163	3	30
Benzo[b]fluoranthene			40.0	39.6		ug/L		99	24 - 159	1	30
Benzo[g,h,i]perylene			40.0	39.1		ug/L		98	10 - 219	5	30
Benzo[k]fluoranthene			40.0	40.6		ug/L		101	11 - 162	2	30
Chrysene			40.0	34.2		ug/L		86	17 - 168	2	30
Dibenz(a,h)anthracene			40.0	40.6		ug/L		102	10 - 227	3	30
Fluoranthene			40.0	34.1		ug/L		85	26 - 137	4	30
Indeno[1,2,3-cd]pyrene			40.0	40.2		ug/L		101	10 - 171	7	30
Naphthalene			40.0	31.0		ug/L		78	21 - 133	3	30
Phenanthrene			40.0	34.5		ug/L		86	54 - 120	2	30
Pyrene			40.0	33.9		ug/L		85	52 - 115	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5	*69*		*27 - 120*
Terphenyl-d14	*74*		*13 - 120*
2-Fluorobiphenyl (Surr)	*70*		*10 - 120*

Lab Sample ID: MB 490-523185/1-A
Matrix: Water
Analysis Batch: 523602

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 523185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<0.025		0.050	0.025	ug/L		06/20/18 08:54	06/21/18 14:11	1
Benzo[a]pyrene	<0.025		0.050	0.025	ug/L		06/20/18 08:54	06/21/18 14:11	1
Benzo[b]fluoranthene	<0.025		0.050	0.025	ug/L		06/20/18 08:54	06/21/18 14:11	1
Benzo[g,h,i]perylene	<0.050		0.10	0.050	ug/L		06/20/18 08:54	06/21/18 14:11	1
Benzo[k]fluoranthene	<0.050		0.10	0.050	ug/L		06/20/18 08:54	06/21/18 14:11	1
Chrysene	<0.050		0.10	0.050	ug/L		06/20/18 08:54	06/21/18 14:11	1
Dibenz(a,h)anthracene	<0.025		0.050	0.025	ug/L		06/20/18 08:54	06/21/18 14:11	1
Fluoranthene	<0.050		0.10	0.050	ug/L		06/20/18 08:54	06/21/18 14:11	1
Indeno[1,2,3-cd]pyrene	<0.025		0.050	0.025	ug/L		06/20/18 08:54	06/21/18 14:11	1
Naphthalene	0.253		0.10	0.050	ug/L		06/20/18 08:54	06/21/18 14:11	1
Phenanthrene	<0.050		0.10	0.050	ug/L		06/20/18 08:54	06/21/18 14:11	1
Pyrene	<0.050		0.10	0.050	ug/L		06/20/18 08:54	06/21/18 14:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*62*		*27 - 120*	*06/20/18 08:54*	*06/21/18 14:11*	*1*
Terphenyl-d14	*53*		*13 - 120*	*06/20/18 08:54*	*06/21/18 14:11*	*1*
2-Fluorobiphenyl (Surr)	*49*		*10 - 120*	*06/20/18 08:54*	*06/21/18 14:11*	*1*

Lab Sample ID: LCS 490-523185/2-A
Matrix: Water
Analysis Batch: 523602

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 523185

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene			40.0	27.7		ug/L		69	33 - 143
Benzo[a]pyrene			40.0	29.3		ug/L		73	17 - 163
Benzo[b]fluoranthene			40.0	28.7		ug/L		72	24 - 159

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM) (Continued)

Lab Sample ID: LCS 490-523185/2-A
Matrix: Water
Analysis Batch: 523602

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 523185

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzo[g,h,i]perylene			40.0	29.4		ug/L		74	10 - 219		
Benzo[k]fluoranthene			40.0	28.6		ug/L		72	11 - 162		
Chrysene			40.0	26.6		ug/L		66	17 - 168		
Dibenz(a,h)anthracene			40.0	30.8		ug/L		77	10 - 227		
Fluoranthene			40.0	27.3		ug/L		68	26 - 137		
Indeno[1,2,3-cd]pyrene			40.0	29.8		ug/L		75	10 - 171		
Naphthalene			40.0	26.6		ug/L		66	21 - 133		
Phenanthrene			40.0	29.0		ug/L		73	54 - 120		
Pyrene			40.0	24.8		ug/L		62	52 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*69*		*27 - 120*
Terphenyl-d14	*56*		*13 - 120*
2-Fluorobiphenyl (Surr)	*58*		*10 - 120*

Lab Sample ID: LCSD 490-523185/3-A
Matrix: Water
Analysis Batch: 523602

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 523185

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene			40.0	31.1		ug/L		78	33 - 143	11	30
Benzo[a]pyrene			40.0	32.8		ug/L		82	17 - 163	11	30
Benzo[b]fluoranthene			40.0	31.8		ug/L		80	24 - 159	10	30
Benzo[g,h,i]perylene			40.0	32.6		ug/L		82	10 - 219	10	30
Benzo[k]fluoranthene			40.0	33.3		ug/L		83	11 - 162	15	30
Chrysene			40.0	29.4		ug/L		74	17 - 168	10	30
Dibenz(a,h)anthracene			40.0	34.2		ug/L		86	10 - 227	11	30
Fluoranthene			40.0	30.5		ug/L		76	26 - 137	11	30
Indeno[1,2,3-cd]pyrene			40.0	33.1		ug/L		83	10 - 171	10	30
Naphthalene			40.0	28.5		ug/L		71	21 - 133	7	30
Phenanthrene			40.0	32.2		ug/L		81	54 - 120	10	30
Pyrene			40.0	28.7		ug/L		72	52 - 115	15	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5	*75*		*27 - 120*
Terphenyl-d14	*68*		*13 - 120*
2-Fluorobiphenyl (Surr)	*62*		*10 - 120*

GC/MS Semi VOA

Prep Batch: 522797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-153954-1	EFFLUENT	Total/NA	Water	625	
490-153954-2	INFLUENT	Total/NA	Water	625	
MB 490-522797/1-A	Method Blank	Total/NA	Water	625	
LCS 490-522797/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 490-522797/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Analysis Batch: 522964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-153954-1	EFFLUENT	Total/NA	Water	625 SIM	522797
490-153954-2	INFLUENT	Total/NA	Water	625 SIM	522797
MB 490-522797/1-A	Method Blank	Total/NA	Water	625 SIM	522797
LCS 490-522797/2-A	Lab Control Sample	Total/NA	Water	625 SIM	522797
LCSD 490-522797/3-A	Lab Control Sample Dup	Total/NA	Water	625 SIM	522797

Prep Batch: 523185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-153954-1	EFFLUENT	Total/NA	Water	625	
490-153954-2	INFLUENT	Total/NA	Water	625	
MB 490-523185/1-A	Method Blank	Total/NA	Water	625	
LCS 490-523185/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 490-523185/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Analysis Batch: 523602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-153954-1	EFFLUENT	Total/NA	Water	625 SIM	523185
490-153954-2	INFLUENT	Total/NA	Water	625 SIM	523185
MB 490-523185/1-A	Method Blank	Total/NA	Water	625 SIM	523185
LCS 490-523185/2-A	Lab Control Sample	Total/NA	Water	625 SIM	523185
LCSD 490-523185/3-A	Lab Control Sample Dup	Total/NA	Water	625 SIM	523185

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 490-153954-1

Client Sample ID: EFFLUENT

Lab Sample ID: 490-153954-1

Date Collected: 06/15/18 17:25

Matrix: Water

Date Received: 06/16/18 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	625			270 mL	1 mL	522797	06/19/18 07:30	CC	TAL NSH
Total/NA	Analysis	625 SIM		1			522964	06/19/18 16:36	JDJ	TAL NSH
Total/NA	Prep	625			270 mL	1 mL	523185	06/20/18 14:42	MCO	TAL NSH
Total/NA	Analysis	625 SIM		1			523602	06/21/18 14:32	MJH	TAL NSH

Client Sample ID: INFLUENT

Lab Sample ID: 490-153954-2

Date Collected: 06/15/18 17:35

Matrix: Water

Date Received: 06/16/18 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	625			270 mL	1 mL	522797	06/19/18 07:30	CC	TAL NSH
Total/NA	Analysis	625 SIM		1			522964	06/19/18 16:57	JDJ	TAL NSH
Total/NA	Prep	625			280 mL	1 mL	523185	06/20/18 14:42	MCO	TAL NSH
Total/NA	Analysis	625 SIM		1			523602	06/21/18 14:53	MJH	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 490-153954-1

Method	Method Description	Protocol	Laboratory
625 SIM	Semivolatile Organic Compounds GC/MS (SIM)	40CFR136A	TAL NSH
625	Liquid-Liquid Extraction	40CFR136A	TAL NSH

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 490-153954-1

Laboratory: TestAmerica Nashville

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	998020430	08-31-18

Laboratory: TestAmerica Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	999580010	08-31-18 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-153954 Chain of Custody

Cooler Received/Opened On 06-16-2018 @ 09:00

Time Samples Removed From Cooler _____ Time Samples Placed In Storage _____ (2 Hour Window)

1. Tracking # 9945 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 31470368 pH Strip Lot _____ Chlorine Strip Lot _____

2. Temperature of rep. sample or temp blank when opened 0.1 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: (Front)

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) JJ

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

● ⬅ Larger than this.

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (intial) EG

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) EG

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) EG

I certify that I attached a label with the unique LIMS number to each container (intial) EG

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

Chain of Custody Record

267270

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andy Stehn	Site Contact: Andy Stehn	Date: 06/15/17	COC No:
Company Name: TRC	Tel/Fax:	Lab Contact: Sandie Fredrick	Carrier: FED EX	1 of 1 COCs
Address: 708 Heartland TRL	Analysis Turnaround Time			Sampler: A. STEHN
City/State/Zip: Madison, WI 53717	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 608-826-3665	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: MKC GETS OMFM	☐ 1 week			
Site: Madison, WI	☐ 2 days			Job / SDG No.:
PO# 117375	☒ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	PAHs	Sample Specific Notes:
EFFLUENT	6/15/18	17:25	G	W	2	N	N	X	See attached PAH
INFLUENT	6/15/18	17:35	G	W	2	N	N	X	List

Loc: 490
153954

Page 16 of 16

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
Provide results as soon as possible - 1 or 2 day turn. See attached PAH List ANS ✓ 440565 / 440566

Custody Seals Intact: ☒ Yes ☐ No | Custody Seal No.: ~~578677 / 578678~~ | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew Stehn 6/15/17	TRC	06/15/17 1800			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA-NAS	Date/Time: 6/16/18 900

0.6

8/21/2018

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-147524-1
Client Project/Site: MadisonKipp - GETS 292257

For:
TRC Environmental Corporation.
708 Heartland Trail
Suite 3000
Madison, Wisconsin 53717

Attn: Andrew Stehn

Authorized for release by:
7/2/2018 1:19:10 PM
Eric Lang, Manager of Project Management
(708)534-5200
eric.lang@testamericainc.com

Designee for

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Detection Summary 4
Method Summary 5
Sample Summary 6
Client Sample Results 7
Definitions 8
QC Association 9
QC Sample Results 10
Chronicle 11
Certification Summary 12
Chain of Custody 13
Receipt Checklists 14

Case Narrative

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 500-147524-1

Job ID: 500-147524-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-147524-1

Comments
No additional comments.

Receipt
The samples were received on 6/26/2018 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

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

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 500-147524-1

Client Sample ID: Influent — Lab Sample ID: 500-147524-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	3.0	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA

Client Sample ID: Effluent — Lab Sample ID: 500-147524-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	2.5	J	5.0	1.9	mg/L	1		SM 2540D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 500-147524-1

Method	Method Description	Protocol	Laboratory
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL CHI

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 500-147524-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-147524-1	Influent	Water	06/25/18 09:38	06/26/18 09:00
500-147524-2	Effluent	Water	06/25/18 09:35	06/26/18 09:00

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 500-147524-1

Client Sample ID: Influent

Lab Sample ID: 500-147524-1
Date Collected: 06/25/18 09:38
Matrix: Water
Date Received: 06/26/18 09:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	3.0	J	5.0	1.9	mg/L			06/30/18 12:34	1

Client Sample ID: Effluent

Lab Sample ID: 500-147524-2
Date Collected: 06/25/18 09:35
Matrix: Water
Date Received: 06/26/18 09:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	2.5	J	5.0	1.9	mg/L			06/30/18 12:39	1

Definitions/Glossary

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 500-147524-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.

Glossary

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

QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 500-147524-1

General Chemistry

Analysis Batch: 439306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-147524-1	Influent	Total/NA	Water	SM 2540D	
500-147524-2	Effluent	Total/NA	Water	SM 2540D	
MB 500-439306/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-439306/2	Lab Control Sample	Total/NA	Water	SM 2540D	
500-147524-1 MS	Influent	Total/NA	Water	SM 2540D	
500-147524-1 DU	Influent	Total/NA	Water	SM 2540D	
500-147524-2 DU	Effluent	Total/NA	Water	SM 2540D	

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-439306/1
Matrix: Water
Analysis Batch: 439306

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			06/30/18 12:25	1

Lab Sample ID: LCS 500-439306/2
Matrix: Water
Analysis Batch: 439306

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	200	181		mg/L		91	80 - 120

Lab Sample ID: 500-147524-1 MS
Matrix: Water
Analysis Batch: 439306

Client Sample ID: Influent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	3.0	J	100	99.0		mg/L		96	75 - 125

Lab Sample ID: 500-147524-1 DU
Matrix: Water
Analysis Batch: 439306

Client Sample ID: Influent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	3.0	J	<1.9		mg/L		NC	5

Lab Sample ID: 500-147524-2 DU
Matrix: Water
Analysis Batch: 439306

Client Sample ID: Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	2.5	J	3.00	J F5	mg/L		18	5

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 500-147524-1

Client Sample ID: Influent

Lab Sample ID: 500-147524-1

Date Collected: 06/25/18 09:38

Matrix: Water

Date Received: 06/26/18 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	439306		SMO	TAL CHI
					(Start)	06/30/18 12:34		
					(End)	06/30/18 12:36		

Client Sample ID: Effluent

Lab Sample ID: 500-147524-2

Date Collected: 06/25/18 09:35

Matrix: Water

Date Received: 06/26/18 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	439306		SMO	TAL CHI
					(Start)	06/30/18 12:39		
					(End)	06/30/18 12:40		

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 292257

TestAmerica Job ID: 500-147524-1

Laboratory: TestAmerica Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	999580010	08-31-18 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)

Report To Contact: Andrew Stehn
Company: TRC Environmental
Address: 708 Heartland Trail Suite 3000
Address: Madison, WI 53717
Phone: 608-826-3665
Fax:
E-Mail: astehn@trcsolutions.com

(optional)

Bill To Contact: Same as reporting
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-147524

Chain of Custody Number:

Page 1 of 1

Temperature °C of Cooler: 2.6

Client	Client Project #	Preservative	8									
MKC/TRC	292257											
Project Name: GETS/SVE		Parameter	TSS									
Project Location/State: WI	Lab Project #											
Sampler: Ben Wachholz	Lab PM											

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix		Comments
1		Influent	6/25/18	9:38	1	W	X	
2		Effluent	6/25/18	9:35	1	W	X	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days X 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Andrew Stehn	TRC	6/25/18	13:00	FED EX			
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
					TA	06/26/18	0900
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier ☐
Shipped ✓
Hand Delivered ☐

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

500-147524 COC

Login Sample Receipt Checklist

Client: TRC Environmental Corporation.

Job Number: 500-147524-1

Login Number: 147524
List Number: 1
Creator: Kelsey, Shawn M

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Attachment 4

Monthly SVE/GETS Influent and Effluent Vapor Laboratory Analytical Results

eurofins | Air Toxics

1/29/2018
Mr. Andrew Stehn
TRC Corporation (RMT)
708 Heartland Trail
Suite 3000
Madison WI 53717

Project Name: GETS/SVE
Project #: 292257.
Workorder #: 1801235

Dear Mr. Andrew Stehn

The following report includes the data for the above referenced project for sample(s) received on 1/17/2018 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

eurofins | Air Toxics

WORK ORDER #: 1801235

Work Order Summary

CLIENT:	Mr. Andrew Stehn TRC Corporation (RMT) 708 Heartland Trail Suite 3000 Madison, WI 53717	**BILL TO:**	Accounts Payable/Windsor TRC Companies, Inc. 21 Griffin Rd North Windsor, CT 06095
PHONE:	608-826-3665	**P.O. #**	117373
FAX:	608-826-3941	**PROJECT #**	292257. GETS/SVE
DATE RECEIVED:	01/17/2018	**CONTACT:**	Ausha Scott
DATE COMPLETED:	01/29/2018		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	Combined Influent	TO-15	5.7 "Hg	14.8 psi
02A	Combined Effluent	TO-15	7.3 "Hg	15.1 psi
03A	Lab Blank	TO-15	NA	NA
04A	CCV	TO-15	NA	NA
05A	LCS	TO-15	NA	NA
05AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 01/29/18

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704434-16-11, UT NELAP CA0093332016-7, VA NELAP - 8113, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2016, Expiration date: 10/17/2017.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

LABORATORY NARRATIVE
EPA Method TO-15
TRC Corporation (RMT)
Workorder# 1801235

Two 1 Liter Summa Canister samples were received on January 17, 2018. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Dilution was performed on samples Combined Influent and Combined Effluent due to the presence of high level target species.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

eurofins | Air Toxics

Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: Combined Influent

Lab ID#: 1801235-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	6.2	23	16	58
cis-1,2-Dichloroethene	6.2	700	24	2800
Trichloroethene	6.2	440	33	2400
Tetrachloroethene	6.2	1400	42	9800

Client Sample ID: Combined Effluent

Lab ID#: 1801235-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	6.7	20	17	51
cis-1,2-Dichloroethene	6.7	740	26	2900
Trichloroethene	6.7	440	36	2300
Tetrachloroethene	6.7	1600	45	11000

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Client Sample ID: Combined Influent

Lab ID#: 1801235-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a011924**	**Date of Collection:**	**1/8/18 11:00:00 AM**
Dil. Factor:	**12.4**	**Date of Analysis:**	**1/20/18 01:10 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	6.2	Not Detected	31	Not Detected
Freon 114	6.2	Not Detected	43	Not Detected
Chloromethane	62	Not Detected	130	Not Detected
Vinyl Chloride	6.2	23	16	58
Bromomethane	62	Not Detected	240	Not Detected
Chloroethane	25	Not Detected	65	Not Detected
Freon 11	6.2	Not Detected	35	Not Detected
Freon 113	6.2	Not Detected	48	Not Detected
1,1-Dichloroethene	6.2	Not Detected	24	Not Detected
Methylene Chloride	62	Not Detected	220	Not Detected
Methyl tert-butyl ether	25	Not Detected	89	Not Detected
1,1-Dichloroethane	6.2	Not Detected	25	Not Detected
cis-1,2-Dichloroethene	6.2	700	24	2800
Chloroform	6.2	Not Detected	30	Not Detected
1,1,1-Trichloroethane	6.2	Not Detected	34	Not Detected
Carbon Tetrachloride	6.2	Not Detected	39	Not Detected
Benzene	6.2	Not Detected	20	Not Detected
1,2-Dichloroethane	6.2	Not Detected	25	Not Detected
Trichloroethene	6.2	440	33	2400
1,2-Dichloropropane	6.2	Not Detected	29	Not Detected
cis-1,3-Dichloropropene	6.2	Not Detected	28	Not Detected
Toluene	6.2	Not Detected	23	Not Detected
trans-1,3-Dichloropropene	6.2	Not Detected	28	Not Detected
1,1,2-Trichloroethane	6.2	Not Detected	34	Not Detected
Tetrachloroethene	6.2	1400	42	9800
1,2-Dibromoethane (EDB)	6.2	Not Detected	48	Not Detected
Chlorobenzene	6.2	Not Detected	28	Not Detected
Ethyl Benzene	6.2	Not Detected	27	Not Detected
m,p-Xylene	6.2	Not Detected	27	Not Detected
o-Xylene	6.2	Not Detected	27	Not Detected
Styrene	6.2	Not Detected	26	Not Detected
1,1,2,2-Tetrachloroethane	6.2	Not Detected	42	Not Detected
1,3,5-Trimethylbenzene	6.2	Not Detected	30	Not Detected
1,2,4-Trimethylbenzene	6.2	Not Detected	30	Not Detected
1,3-Dichlorobenzene	6.2	Not Detected	37	Not Detected
1,4-Dichlorobenzene	6.2	Not Detected	37	Not Detected
alpha-Chlorotoluene	6.2	Not Detected	32	Not Detected
1,2-Dichlorobenzene	6.2	Not Detected	37	Not Detected
1,2,4-Trichlorobenzene	25	Not Detected	180	Not Detected
Hexachlorobutadiene	25	Not Detected	260	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Combined Influent

Lab ID#: 1801235-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a011924**	**Date of Collection: 1/8/18 11:00:00 AM**	
Dil. Factor:	**12.4**	**Date of Analysis: 1/20/18 01:10 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	89	70-130
4-Bromofluorobenzene	88	70-130

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Client Sample ID: Combined Effluent

Lab ID#: 1801235-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a011925**	**Date of Collection:**	**1/8/18 11:08:00 AM**
Dil. Factor:	**13.4**	**Date of Analysis:**	**1/20/18 01:34 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	6.7	Not Detected	33	Not Detected
Freon 114	6.7	Not Detected	47	Not Detected
Chloromethane	67	Not Detected	140	Not Detected
Vinyl Chloride	6.7	20	17	51
Bromomethane	67	Not Detected	260	Not Detected
Chloroethane	27	Not Detected	71	Not Detected
Freon 11	6.7	Not Detected	38	Not Detected
Freon 113	6.7	Not Detected	51	Not Detected
1,1-Dichloroethene	6.7	Not Detected	26	Not Detected
Methylene Chloride	67	Not Detected	230	Not Detected
Methyl tert-butyl ether	27	Not Detected	97	Not Detected
1,1-Dichloroethane	6.7	Not Detected	27	Not Detected
cis-1,2-Dichloroethene	6.7	740	26	2900
Chloroform	6.7	Not Detected	33	Not Detected
1,1,1-Trichloroethane	6.7	Not Detected	36	Not Detected
Carbon Tetrachloride	6.7	Not Detected	42	Not Detected
Benzene	6.7	Not Detected	21	Not Detected
1,2-Dichloroethane	6.7	Not Detected	27	Not Detected
Trichloroethene	6.7	440	36	2300
1,2-Dichloropropane	6.7	Not Detected	31	Not Detected
cis-1,3-Dichloropropene	6.7	Not Detected	30	Not Detected
Toluene	6.7	Not Detected	25	Not Detected
trans-1,3-Dichloropropene	6.7	Not Detected	30	Not Detected
1,1,2-Trichloroethane	6.7	Not Detected	36	Not Detected
Tetrachloroethene	6.7	1600	45	11000
1,2-Dibromoethane (EDB)	6.7	Not Detected	51	Not Detected
Chlorobenzene	6.7	Not Detected	31	Not Detected
Ethyl Benzene	6.7	Not Detected	29	Not Detected
m,p-Xylene	6.7	Not Detected	29	Not Detected
o-Xylene	6.7	Not Detected	29	Not Detected
Styrene	6.7	Not Detected	28	Not Detected
1,1,2,2-Tetrachloroethane	6.7	Not Detected	46	Not Detected
1,3,5-Trimethylbenzene	6.7	Not Detected	33	Not Detected
1,2,4-Trimethylbenzene	6.7	Not Detected	33	Not Detected
1,3-Dichlorobenzene	6.7	Not Detected	40	Not Detected
1,4-Dichlorobenzene	6.7	Not Detected	40	Not Detected
alpha-Chlorotoluene	6.7	Not Detected	35	Not Detected
1,2-Dichlorobenzene	6.7	Not Detected	40	Not Detected
1,2,4-Trichlorobenzene	27	Not Detected	200	Not Detected
Hexachlorobutadiene	27	Not Detected	280	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Combined Effluent

Lab ID#: 1801235-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a011925**	**Date of Collection: 1/8/18 11:08:00 AM**	
Dil. Factor:	**13.4**	**Date of Analysis: 1/20/18 01:34 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	90	70-130
4-Bromofluorobenzene	88	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1801235-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a011906**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/19/18 02:55 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: Lab Blank

Lab ID#: 1801235-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a011906**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/19/18 02:55 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	88	70-130

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Client Sample ID: CCV

Lab ID#: 1801235-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a011903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/19/18 01:23 PM**	

Compound	%Recovery
Freon 12	92
Freon 114	100
Chloromethane	115
Vinyl Chloride	104
Bromomethane	105
Chloroethane	100
Freon 11	93
Freon 113	93
1,1-Dichloroethene	96
Methylene Chloride	109
Methyl tert-butyl ether	85
1,1-Dichloroethane	99
cis-1,2-Dichloroethene	102
Chloroform	99
1,1,1-Trichloroethane	95
Carbon Tetrachloride	101
Benzene	95
1,2-Dichloroethane	100
Trichloroethene	106
1,2-Dichloropropane	105
cis-1,3-Dichloropropene	94
Toluene	102
trans-1,3-Dichloropropene	95
1,1,2-Trichloroethane	106
Tetrachloroethene	102
1,2-Dibromoethane (EDB)	107
Chlorobenzene	108
Ethyl Benzene	94
m,p-Xylene	97
o-Xylene	101
Styrene	104
1,1,2,2-Tetrachloroethane	98
1,3,5-Trimethylbenzene	108
1,2,4-Trimethylbenzene	104
1,3-Dichlorobenzene	101
1,4-Dichlorobenzene	102
alpha-Chlorotoluene	97
1,2-Dichlorobenzene	99
1,2,4-Trichlorobenzene	89
Hexachlorobutadiene	86

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 1801235-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a011903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/19/18 01:23 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	90	70-130
4-Bromofluorobenzene	90	70-130

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Client Sample ID: LCS

Lab ID#: 1801235-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a011904**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/19/18 02:04 PM**	

Compound	%Recovery	Method Limits
Freon 12	88	70-130
Freon 114	99	70-130
Chloromethane	105	70-130
Vinyl Chloride	99	70-130
Bromomethane	99	70-130
Chloroethane	100	70-130
Freon 11	88	70-130
Freon 113	87	70-130
1,1-Dichloroethene	92	70-130
Methylene Chloride	102	70-130
Methyl tert-butyl ether	81	70-130
1,1-Dichloroethane	94	70-130
cis-1,2-Dichloroethene	105	70-130
Chloroform	92	70-130
1,1,1-Trichloroethane	90	70-130
Carbon Tetrachloride	96	70-130
Benzene	91	70-130
1,2-Dichloroethane	93	70-130
Trichloroethene	99	70-130
1,2-Dichloropropane	98	70-130
cis-1,3-Dichloropropene	83	70-130
Toluene	95	70-130
trans-1,3-Dichloropropene	86	70-130
1,1,2-Trichloroethane	97	70-130
Tetrachloroethene	93	70-130
1,2-Dibromoethane (EDB)	99	70-130
Chlorobenzene	98	70-130
Ethyl Benzene	87	70-130
m,p-Xylene	90	70-130
o-Xylene	94	70-130
Styrene	94	70-130
1,1,2,2-Tetrachloroethane	89	70-130
1,3,5-Trimethylbenzene	97	70-130
1,2,4-Trimethylbenzene	94	70-130
1,3-Dichlorobenzene	93	70-130
1,4-Dichlorobenzene	93	70-130
alpha-Chlorotoluene	91	70-130
1,2-Dichlorobenzene	91	70-130
1,2,4-Trichlorobenzene	81	70-130
Hexachlorobutadiene	79	70-130

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 1801235-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a011904**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/19/18 02:04 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	90	70-130
4-Bromofluorobenzene	88	70-130

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Client Sample ID: LCSD

Lab ID#: 1801235-05AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a011905**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/19/18 02:29 PM**	

Compound	%Recovery	Method Limits
Freon 12	87	70-130
Freon 114	97	70-130
Chloromethane	105	70-130
Vinyl Chloride	98	70-130
Bromomethane	100	70-130
Chloroethane	99	70-130
Freon 11	87	70-130
Freon 113	86	70-130
1,1-Dichloroethene	92	70-130
Methylene Chloride	100	70-130
Methyl tert-butyl ether	78	70-130
1,1-Dichloroethane	93	70-130
cis-1,2-Dichloroethene	103	70-130
Chloroform	91	70-130
1,1,1-Trichloroethane	88	70-130
Carbon Tetrachloride	94	70-130
Benzene	90	70-130
1,2-Dichloroethane	93	70-130
Trichloroethene	99	70-130
1,2-Dichloropropane	98	70-130
cis-1,3-Dichloropropene	82	70-130
Toluene	96	70-130
trans-1,3-Dichloropropene	87	70-130
1,1,2-Trichloroethane	96	70-130
Tetrachloroethene	95	70-130
1,2-Dibromoethane (EDB)	100	70-130
Chlorobenzene	100	70-130
Ethyl Benzene	87	70-130
m,p-Xylene	90	70-130
o-Xylene	95	70-130
Styrene	94	70-130
1,1,2,2-Tetrachloroethane	90	70-130
1,3,5-Trimethylbenzene	99	70-130
1,2,4-Trimethylbenzene	95	70-130
1,3-Dichlorobenzene	95	70-130
1,4-Dichlorobenzene	94	70-130
alpha-Chlorotoluene	93	70-130
1,2-Dichlorobenzene	93	70-130
1,2,4-Trichlorobenzene	84	70-130
Hexachlorobutadiene	81	70-130

Container Type: NA - Not Applicable

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Client Sample ID: LCSD

Lab ID#: 1801235-05AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a011905**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/19/18 02:29 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	90	70-130
4-Bromofluorobenzene	90	70-130

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Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 1

Project Manager: Andy Stehn
Collected by: (Print and Sign) John Koelke [signature]
Company: TRC Email:
Address: 708 Heartland Tr City: Madison State: WI Zip: 53717
Phone: (608) 826-3665 Fax:

Project Info:
P.O. # 117373
Project # 292257.
Project Name: GETS/SVE

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas:
N2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	Combined Influent	1034	1/8/18	11:00	TO-15	-27.0	-7.0		
	~~Combined Effluent~~		~~1/8/18~~	~~11:10~~		~~-21.5~~ -27.0	~~5.0~~		
02A	Combined Effluent	1L3080	1/8/18	11:08	TO-15	-27.0	-7.0		

Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	Notes:
[signature] 1/8/18 1520	[signature] 1/17/16 1415	
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	FedEx		NA	Good	Yes No (None)	1801235

Form 1293 rev.11

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2/26/2018
Mr. Andrew Stehn
TRC Corporation (RMT)
708 Heartland Trail
Suite 3000
Madison WI 53717

Project Name: MKC O&M
Project #: 292257
Workorder #: 1802260

Dear Mr. Andrew Stehn

The following report includes the data for the above referenced project for sample(s) received on 2/13/2018 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

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WORK ORDER #: 1802260

Work Order Summary

CLIENT:	Mr. Andrew Stehn TRC Corporation (RMT) 708 Heartland Trail Suite 3000 Madison, WI 53717	**BILL TO:**	Accounts Payable/Windsor TRC Companies, Inc. 21 Griffin Rd North Windsor, CT 06095
PHONE:	608-826-3665	**P.O. #**	117373
FAX:	608-826-3941	**PROJECT #**	292257 MKC O&M
DATE RECEIVED:	02/13/2018	**CONTACT:**	Ausha Scott
DATE COMPLETED:	02/26/2018		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	Combined Influent	TO-15	5.1 "Hg	15 psi
02A	Combined Effluent	TO-15	5.5 "Hg	15.4 psi
03A	GETS Influent	TO-15	7.8 "Hg	15.3 psi
04A	Lab Blank	TO-15	NA	NA
05A	CCV	TO-15	NA	NA
06A	LCS	TO-15	NA	NA
06AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 02/26/18

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704434-16-11, UT NELAP CA0093332016-7, VA NELAP - 8113, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2016, Expiration date: 10/17/2017.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

LABORATORY NARRATIVE
EPA Method TO-15
TRC Corporation (RMT)
Workorder# 1802260

Three 1 Liter Summa Canister samples were received on February 13, 2018. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Dilution was performed on samples Combined Influent and GETS Influent due to the presence of high level target species.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: Combined Influent

Lab ID#: 1802260-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	2.7	10	6.9	26
cis-1,2-Dichloroethene	2.7	600	11	2400
Trichloroethene	2.7	370	14	2000
Tetrachloroethene	2.7	860	18	5900

Client Sample ID: Combined Effluent

Lab ID#: 1802260-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	11	3.2	28
cis-1,2-Dichloroethene	1.2	240	5.0	950
Benzene	1.2	1.7	4.0	5.6
Trichloroethene	1.2	74	6.7	400
Tetrachloroethene	1.2	440	8.5	3000

Client Sample ID: GETS Influent

Lab ID#: 1802260-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	9.2	14	24	35
cis-1,2-Dichloroethene	9.2	1000	36	4000
Trichloroethene	9.2	830	49	4500
Tetrachloroethene	9.2	2600	62	17000

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Client Sample ID: Combined Influent

Lab ID#: 1802260-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17021518**	**Date of Collection: 2/6/18 12:10:00 PM**	
Dil. Factor:	**5.41**	**Date of Analysis: 2/15/18 09:32 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	2.7	Not Detected	13	Not Detected
Freon 114	2.7	Not Detected	19	Not Detected
Chloromethane	27	Not Detected	56	Not Detected
Vinyl Chloride	2.7	10	6.9	26
Bromomethane	27	Not Detected	100	Not Detected
Chloroethane	11	Not Detected	28	Not Detected
Freon 11	2.7	Not Detected	15	Not Detected
Freon 113	2.7	Not Detected	21	Not Detected
1,1-Dichloroethene	2.7	Not Detected	11	Not Detected
Methylene Chloride	27	Not Detected	94	Not Detected
Methyl tert-butyl ether	11	Not Detected	39	Not Detected
1,1-Dichloroethane	2.7	Not Detected	11	Not Detected
cis-1,2-Dichloroethene	2.7	600	11	2400
Chloroform	2.7	Not Detected	13	Not Detected
1,1,1-Trichloroethane	2.7	Not Detected	15	Not Detected
Carbon Tetrachloride	2.7	Not Detected	17	Not Detected
Benzene	2.7	Not Detected	8.6	Not Detected
1,2-Dichloroethane	2.7	Not Detected	11	Not Detected
Trichloroethene	2.7	370	14	2000
1,2-Dichloropropane	2.7	Not Detected	12	Not Detected
cis-1,3-Dichloropropene	2.7	Not Detected	12	Not Detected
Toluene	2.7	Not Detected	10	Not Detected
trans-1,3-Dichloropropene	2.7	Not Detected	12	Not Detected
1,1,2-Trichloroethane	2.7	Not Detected	15	Not Detected
Tetrachloroethene	2.7	860	18	5900
1,2-Dibromoethane (EDB)	2.7	Not Detected	21	Not Detected
Chlorobenzene	2.7	Not Detected	12	Not Detected
Ethyl Benzene	2.7	Not Detected	12	Not Detected
m,p-Xylene	2.7	Not Detected	12	Not Detected
o-Xylene	2.7	Not Detected	12	Not Detected
Styrene	2.7	Not Detected	12	Not Detected
1,1,2,2-Tetrachloroethane	2.7	Not Detected	18	Not Detected
1,3,5-Trimethylbenzene	2.7	Not Detected	13	Not Detected
1,2,4-Trimethylbenzene	2.7	Not Detected	13	Not Detected
1,3-Dichlorobenzene	2.7	Not Detected	16	Not Detected
1,4-Dichlorobenzene	2.7	Not Detected	16	Not Detected
alpha-Chlorotoluene	2.7	Not Detected	14	Not Detected
1,2-Dichlorobenzene	2.7	Not Detected	16	Not Detected
1,2,4-Trichlorobenzene	11	Not Detected	80	Not Detected
Hexachlorobutadiene	11	Not Detected	120	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Combined Influent

Lab ID#: 1802260-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17021518**	**Date of Collection: 2/6/18 12:10:00 PM**	
Dil. Factor:	**5.41**	**Date of Analysis: 2/15/18 09:32 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	90	70-130

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Client Sample ID: Combined Effluent

Lab ID#: 1802260-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17021519**	**Date of Collection: 2/6/18 11:55:00 AM**	
Dil. Factor:	**2.51**	**Date of Analysis: 2/15/18 10:00 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	6.2	Not Detected
Freon 114	1.2	Not Detected	8.8	Not Detected
Chloromethane	12	Not Detected	26	Not Detected
Vinyl Chloride	1.2	11	3.2	28
Bromomethane	12	Not Detected	49	Not Detected
Chloroethane	5.0	Not Detected	13	Not Detected
Freon 11	1.2	Not Detected	7.0	Not Detected
Freon 113	1.2	Not Detected	9.6	Not Detected
1,1-Dichloroethene	1.2	Not Detected	5.0	Not Detected
Methylene Chloride	12	Not Detected	44	Not Detected
Methyl tert-butyl ether	5.0	Not Detected	18	Not Detected
1,1-Dichloroethane	1.2	Not Detected	5.1	Not Detected
cis-1,2-Dichloroethene	1.2	240	5.0	950
Chloroform	1.2	Not Detected	6.1	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.8	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.9	Not Detected
Benzene	1.2	1.7	4.0	5.6
1,2-Dichloroethane	1.2	Not Detected	5.1	Not Detected
Trichloroethene	1.2	74	6.7	400
1,2-Dichloropropane	1.2	Not Detected	5.8	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.7	Not Detected
Toluene	1.2	Not Detected	4.7	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.7	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.8	Not Detected
Tetrachloroethene	1.2	440	8.5	3000
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.6	Not Detected
Chlorobenzene	1.2	Not Detected	5.8	Not Detected
Ethyl Benzene	1.2	Not Detected	5.4	Not Detected
m,p-Xylene	1.2	Not Detected	5.4	Not Detected
o-Xylene	1.2	Not Detected	5.4	Not Detected
Styrene	1.2	Not Detected	5.3	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.6	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	6.2	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	6.2	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.5	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.5	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.5	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.5	Not Detected
1,2,4-Trichlorobenzene	5.0	Not Detected	37	Not Detected
Hexachlorobutadiene	5.0	Not Detected	54	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Combined Effluent

Lab ID#: 1802260-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17021519**	**Date of Collection: 2/6/18 11:55:00 AM**	
Dil. Factor:	**2.51**	**Date of Analysis: 2/15/18 10:00 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	91	70-130

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Client Sample ID: GETS Influent

Lab ID#: 1802260-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17021520**	**Date of Collection: 2/6/18 12:35:00 PM**	
Dil. Factor:	**18.4**	**Date of Analysis: 2/15/18 10:25 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	9.2	Not Detected	45	Not Detected
Freon 114	9.2	Not Detected	64	Not Detected
Chloromethane	92	Not Detected	190	Not Detected
Vinyl Chloride	9.2	14	24	35
Bromomethane	92	Not Detected	360	Not Detected
Chloroethane	37	Not Detected	97	Not Detected
Freon 11	9.2	Not Detected	52	Not Detected
Freon 113	9.2	Not Detected	70	Not Detected
1,1-Dichloroethene	9.2	Not Detected	36	Not Detected
Methylene Chloride	92	Not Detected	320	Not Detected
Methyl tert-butyl ether	37	Not Detected	130	Not Detected
1,1-Dichloroethane	9.2	Not Detected	37	Not Detected
cis-1,2-Dichloroethene	9.2	1000	36	4000
Chloroform	9.2	Not Detected	45	Not Detected
1,1,1-Trichloroethane	9.2	Not Detected	50	Not Detected
Carbon Tetrachloride	9.2	Not Detected	58	Not Detected
Benzene	9.2	Not Detected	29	Not Detected
1,2-Dichloroethane	9.2	Not Detected	37	Not Detected
Trichloroethene	9.2	830	49	4500
1,2-Dichloropropane	9.2	Not Detected	42	Not Detected
cis-1,3-Dichloropropene	9.2	Not Detected	42	Not Detected
Toluene	9.2	Not Detected	35	Not Detected
trans-1,3-Dichloropropene	9.2	Not Detected	42	Not Detected
1,1,2-Trichloroethane	9.2	Not Detected	50	Not Detected
Tetrachloroethene	9.2	2600	62	17000
1,2-Dibromoethane (EDB)	9.2	Not Detected	71	Not Detected
Chlorobenzene	9.2	Not Detected	42	Not Detected
Ethyl Benzene	9.2	Not Detected	40	Not Detected
m,p-Xylene	9.2	Not Detected	40	Not Detected
o-Xylene	9.2	Not Detected	40	Not Detected
Styrene	9.2	Not Detected	39	Not Detected
1,1,2,2-Tetrachloroethane	9.2	Not Detected	63	Not Detected
1,3,5-Trimethylbenzene	9.2	Not Detected	45	Not Detected
1,2,4-Trimethylbenzene	9.2	Not Detected	45	Not Detected
1,3-Dichlorobenzene	9.2	Not Detected	55	Not Detected
1,4-Dichlorobenzene	9.2	Not Detected	55	Not Detected
alpha-Chlorotoluene	9.2	Not Detected	48	Not Detected
1,2-Dichlorobenzene	9.2	Not Detected	55	Not Detected
1,2,4-Trichlorobenzene	37	Not Detected	270	Not Detected
Hexachlorobutadiene	37	Not Detected	390	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: GETS Influent

Lab ID#: 1802260-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17021520**	**Date of Collection: 2/6/18 12:35:00 PM**	
Dil. Factor:	**18.4**	**Date of Analysis: 2/15/18 10:25 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	90	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1802260-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17021505**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/15/18 12:13 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: Lab Blank

Lab ID#: 1802260-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17021505**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/15/18 12:13 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: CCV

Lab ID#: 1802260-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17021502**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 2/15/18 10:51 AM**

Compound	%Recovery
Freon 12	96
Freon 114	90
Chloromethane	96
Vinyl Chloride	99
Bromomethane	92
Chloroethane	97
Freon 11	95
Freon 113	86
1,1-Dichloroethene	91
Methylene Chloride	101
Methyl tert-butyl ether	98
1,1-Dichloroethane	104
cis-1,2-Dichloroethene	100
Chloroform	102
1,1,1-Trichloroethane	97
Carbon Tetrachloride	97
Benzene	113
1,2-Dichloroethane	116
Trichloroethene	108
1,2-Dichloropropane	112
cis-1,3-Dichloropropene	113
Toluene	108
trans-1,3-Dichloropropene	112
1,1,2-Trichloroethane	104
Tetrachloroethene	102
1,2-Dibromoethane (EDB)	105
Chlorobenzene	104
Ethyl Benzene	108
m,p-Xylene	112
o-Xylene	110
Styrene	116
1,1,2,2-Tetrachloroethane	106
1,3,5-Trimethylbenzene	117
1,2,4-Trimethylbenzene	114
1,3-Dichlorobenzene	103
1,4-Dichlorobenzene	107
alpha-Chlorotoluene	106
1,2-Dichlorobenzene	103
1,2,4-Trichlorobenzene	103
Hexachlorobutadiene	106

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 1802260-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17021502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/15/18 10:51 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: LCS

Lab ID#: 1802260-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17021503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/15/18 11:18 AM**	

Compound	%Recovery	Method Limits
Freon 12	98	70-130
Freon 114	93	70-130
Chloromethane	101	70-130
Vinyl Chloride	101	70-130
Bromomethane	92	70-130
Chloroethane	100	70-130
Freon 11	94	70-130
Freon 113	86	70-130
1,1-Dichloroethene	92	70-130
Methylene Chloride	96	70-130
Methyl tert-butyl ether	95	70-130
1,1-Dichloroethane	99	70-130
cis-1,2-Dichloroethene	105	70-130
Chloroform	98	70-130
1,1,1-Trichloroethane	95	70-130
Carbon Tetrachloride	95	70-130
Benzene	108	70-130
1,2-Dichloroethane	110	70-130
Trichloroethene	105	70-130
1,2-Dichloropropane	109	70-130
cis-1,3-Dichloropropene	104	70-130
Toluene	109	70-130
trans-1,3-Dichloropropene	105	70-130
1,1,2-Trichloroethane	99	70-130
Tetrachloroethene	96	70-130
1,2-Dibromoethane (EDB)	100	70-130
Chlorobenzene	100	70-130
Ethyl Benzene	106	70-130
m,p-Xylene	110	70-130
o-Xylene	110	70-130
Styrene	117	70-130
1,1,2,2-Tetrachloroethane	101	70-130
1,3,5-Trimethylbenzene	114	70-130
1,2,4-Trimethylbenzene	111	70-130
1,3-Dichlorobenzene	101	70-130
1,4-Dichlorobenzene	102	70-130
alpha-Chlorotoluene	109	70-130
1,2-Dichlorobenzene	100	70-130
1,2,4-Trichlorobenzene	100	70-130
Hexachlorobutadiene	99	70-130

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 1802260-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17021503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/15/18 11:18 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	108	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: LCSD

Lab ID#: 1802260-06AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17021504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/15/18 11:45 AM**	

Compound	%Recovery	Method Limits
Freon 12	99	70-130
Freon 114	94	70-130
Chloromethane	102	70-130
Vinyl Chloride	102	70-130
Bromomethane	93	70-130
Chloroethane	98	70-130
Freon 11	94	70-130
Freon 113	86	70-130
1,1-Dichloroethene	94	70-130
Methylene Chloride	97	70-130
Methyl tert-butyl ether	96	70-130
1,1-Dichloroethane	100	70-130
cis-1,2-Dichloroethene	105	70-130
Chloroform	97	70-130
1,1,1-Trichloroethane	95	70-130
Carbon Tetrachloride	94	70-130
Benzene	108	70-130
1,2-Dichloroethane	109	70-130
Trichloroethene	108	70-130
1,2-Dichloropropane	109	70-130
cis-1,3-Dichloropropene	106	70-130
Toluene	110	70-130
trans-1,3-Dichloropropene	108	70-130
1,1,2-Trichloroethane	99	70-130
Tetrachloroethene	99	70-130
1,2-Dibromoethane (EDB)	101	70-130
Chlorobenzene	100	70-130
Ethyl Benzene	105	70-130
m,p-Xylene	110	70-130
o-Xylene	112	70-130
Styrene	116	70-130
1,1,2,2-Tetrachloroethane	102	70-130
1,3,5-Trimethylbenzene	117	70-130
1,2,4-Trimethylbenzene	114	70-130
1,3-Dichlorobenzene	102	70-130
1,4-Dichlorobenzene	105	70-130
alpha-Chlorotoluene	111	70-130
1,2-Dichlorobenzene	103	70-130
1,2,4-Trichlorobenzene	107	70-130
Hexachlorobutadiene	105	70-130

Container Type: NA - Not Applicable

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Client Sample ID: LCSD

Lab ID#: 1802260-06AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17021504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/15/18 11:45 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	109	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	103	70-130

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Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager: Andrew Stehn TRC
Collected by: (Print and Sign) Ben Wachholz Ben Wachholz
Company: TRC Email: astehn@trcsolutions.com
Address: 708 Heartland Trail, Suite 3000 City: Madison State: WI Zip: 53717
Phone: 608-826-3665 Fax:

Project Info:
P.O. # 117373
Project # 292257
Project Name: MKC O&M

Turn Around Time:
☒ Normal
☐ Rush
_____ (days)

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psig)
01A	Combined Influent	1L1608	2/6/18	12:10	TO-15	-28	-6		
02A	Combined Effluent	1L2824	2/6/18	11:55	TO-15	-29	-8		
03A	GETS Influent	00000890	2/6/18	12:35	TO-15	-28.5	-7.5		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Ben Wachholz	2/7/18 9:05	Andrea Augustin EATL	2/8/18 1515
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:
Attempted to use can # 01L1161 but gauge did not seal and can was not used.

Lab Use Only	Shipper Name	Air Bill #	Temp °C	Condition	Custody Seals Intact?	Work Order #
	Fed Ex		NA	Good	Yes No None	1802260

Form 1950 rev 11

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3/30/2018
Mr. Andrew Stehn
TRC Corporation (RMT)
708 Heartland Trail
Suite 3000
Madison WI 53717

Project Name: MKC
Project #: 292257
Workorder #: 1803375

Dear Mr. Andrew Stehn

The following report includes the data for the above referenced project for sample(s) received on 3/20/2018 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

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WORK ORDER #: 1803375

Work Order Summary

CLIENT:	Mr. Andrew Stehn TRC Corporation (RMT) 708 Heartland Trail Suite 3000 Madison, WI 53717	**BILL TO:**	Accounts Payable/Windsor TRC Companies, Inc. 21 Griffin Rd North Windsor, CT 06095
PHONE:	608-826-3665	**P.O. #**	117373
FAX:	608-826-3941	**PROJECT #**	292257 MKC
DATE RECEIVED:	03/20/2018	**CONTACT:**	Ausha Scott
DATE COMPLETED:	03/30/2018		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	Combined Influent	TO-15	5.0 "Hg	15 psi
02A	Combined Effluent	TO-15	5.5 "Hg	15 psi
03A	Lab Blank	TO-15	NA	NA
04A	CCV	TO-15	NA	NA
05A	LCS	TO-15	NA	NA
05AA	LCSD	TO-15	NA	NA

CERTIFIED BY:  DATE: 03/30/18

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704434-16-11, UT NELAP CA0093332016-7, VA NELAP - 8113, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2016, Expiration date: 10/17/2017.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

LABORATORY NARRATIVE
EPA Method TO-15
TRC Corporation (RMT)
Workorder# 1803375

Two 1 Liter Summa Canister samples were received on March 20, 2018. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Dilution was performed on sample Combined Influent due to the presence of high level target species.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: Combined Influent

Lab ID#: 1803375-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	4.8	10	12	26
cis-1,2-Dichloroethene	4.8	780	19	3100
Trichloroethene	4.8	440	26	2400
Tetrachloroethene	4.8	1100	33	7400

Client Sample ID: Combined Effluent

Lab ID#: 1803375-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	4.3	3.2	11
cis-1,2-Dichloroethene	1.2	200	4.9	780
Benzene	1.2	2.4	3.9	7.8
Trichloroethene	1.2	66	6.6	350
Toluene	1.2	1.9	4.6	7.1
Tetrachloroethene	1.2	220	8.4	1500
1,2,4-Trimethylbenzene	1.2	1.3	6.1	6.2

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Client Sample ID: Combined Influent

Lab ID#: 1803375-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17032210**	**Date of Collection:**	**3/8/18 2:45:00 PM**
Dil. Factor:	**9.70**	**Date of Analysis:**	**3/22/18 05:25 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	4.8	Not Detected	24	Not Detected
Freon 114	4.8	Not Detected	34	Not Detected
Chloromethane	48	Not Detected	100	Not Detected
Vinyl Chloride	4.8	10	12	26
Bromomethane	48	Not Detected	190	Not Detected
Chloroethane	19	Not Detected	51	Not Detected
Freon 11	4.8	Not Detected	27	Not Detected
Freon 113	4.8	Not Detected	37	Not Detected
1,1-Dichloroethene	4.8	Not Detected	19	Not Detected
Methylene Chloride	48	Not Detected	170	Not Detected
Methyl tert-butyl ether	19	Not Detected	70	Not Detected
1,1-Dichloroethane	4.8	Not Detected	20	Not Detected
cis-1,2-Dichloroethene	4.8	780	19	3100
Chloroform	4.8	Not Detected	24	Not Detected
1,1,1-Trichloroethane	4.8	Not Detected	26	Not Detected
Carbon Tetrachloride	4.8	Not Detected	30	Not Detected
Benzene	4.8	Not Detected	15	Not Detected
1,2-Dichloroethane	4.8	Not Detected	20	Not Detected
Trichloroethene	4.8	440	26	2400
1,2-Dichloropropane	4.8	Not Detected	22	Not Detected
cis-1,3-Dichloropropene	4.8	Not Detected	22	Not Detected
Toluene	4.8	Not Detected	18	Not Detected
trans-1,3-Dichloropropene	4.8	Not Detected	22	Not Detected
1,1,2-Trichloroethane	4.8	Not Detected	26	Not Detected
Tetrachloroethene	4.8	1100	33	7400
1,2-Dibromoethane (EDB)	4.8	Not Detected	37	Not Detected
Chlorobenzene	4.8	Not Detected	22	Not Detected
Ethyl Benzene	4.8	Not Detected	21	Not Detected
m,p-Xylene	4.8	Not Detected	21	Not Detected
o-Xylene	4.8	Not Detected	21	Not Detected
Styrene	4.8	Not Detected	21	Not Detected
1,1,2,2-Tetrachloroethane	4.8	Not Detected	33	Not Detected
1,3,5-Trimethylbenzene	4.8	Not Detected	24	Not Detected
1,2,4-Trimethylbenzene	4.8	Not Detected	24	Not Detected
1,3-Dichlorobenzene	4.8	Not Detected	29	Not Detected
1,4-Dichlorobenzene	4.8	Not Detected	29	Not Detected
alpha-Chlorotoluene	4.8	Not Detected	25	Not Detected
1,2-Dichlorobenzene	4.8	Not Detected	29	Not Detected
1,2,4-Trichlorobenzene	19	Not Detected	140	Not Detected
Hexachlorobutadiene	19	Not Detected	210	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Combined Influent

Lab ID#: 1803375-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17032210**	**Date of Collection: 3/8/18 2:45:00 PM**	
Dil. Factor:	**9.70**	**Date of Analysis: 3/22/18 05:25 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	89	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: Combined Effluent

Lab ID#: 1803375-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17032209**	**Date of Collection: 3/8/18 2:55:00 PM**	
Dil. Factor:	**2.47**	**Date of Analysis: 3/22/18 04:58 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	6.1	Not Detected
Freon 114	1.2	Not Detected	8.6	Not Detected
Chloromethane	12	Not Detected	26	Not Detected
Vinyl Chloride	1.2	4.3	3.2	11
Bromomethane	12	Not Detected	48	Not Detected
Chloroethane	4.9	Not Detected	13	Not Detected
Freon 11	1.2	Not Detected	6.9	Not Detected
Freon 113	1.2	Not Detected	9.5	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Methylene Chloride	12	Not Detected	43	Not Detected
Methyl tert-butyl ether	4.9	Not Detected	18	Not Detected
1,1-Dichloroethane	1.2	Not Detected	5.0	Not Detected
cis-1,2-Dichloroethene	1.2	200	4.9	780
Chloroform	1.2	Not Detected	6.0	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.7	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.8	Not Detected
Benzene	1.2	2.4	3.9	7.8
1,2-Dichloroethane	1.2	Not Detected	5.0	Not Detected
Trichloroethene	1.2	66	6.6	350
1,2-Dichloropropane	1.2	Not Detected	5.7	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.6	Not Detected
Toluene	1.2	1.9	4.6	7.1
trans-1,3-Dichloropropene	1.2	Not Detected	5.6	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.7	Not Detected
Tetrachloroethene	1.2	220	8.4	1500
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.5	Not Detected
Chlorobenzene	1.2	Not Detected	5.7	Not Detected
Ethyl Benzene	1.2	Not Detected	5.4	Not Detected
m,p-Xylene	1.2	Not Detected	5.4	Not Detected
o-Xylene	1.2	Not Detected	5.4	Not Detected
Styrene	1.2	Not Detected	5.3	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.5	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	6.1	Not Detected
1,2,4-Trimethylbenzene	1.2	1.3	6.1	6.2
1,3-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.4	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
1,2,4-Trichlorobenzene	4.9	Not Detected	37	Not Detected
Hexachlorobutadiene	4.9	Not Detected	53	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Combined Effluent

Lab ID#: 1803375-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17032209**	**Date of Collection: 3/8/18 2:55:00 PM**	
Dil. Factor:	**2.47**	**Date of Analysis: 3/22/18 04:58 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	87	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1803375-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17032205**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/22/18 01:29 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: Lab Blank

Lab ID#: 1803375-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17032205**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/22/18 01:29 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	89	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: CCV

Lab ID#: 1803375-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17032202**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/22/18 10:37 AM**	

Compound	%Recovery
Freon 12	96
Freon 114	93
Chloromethane	86
Vinyl Chloride	91
Bromomethane	85
Chloroethane	86
Freon 11	86
Freon 113	88
1,1-Dichloroethene	92
Methylene Chloride	85
Methyl tert-butyl ether	96
1,1-Dichloroethane	94
cis-1,2-Dichloroethene	98
Chloroform	95
1,1,1-Trichloroethane	92
Carbon Tetrachloride	93
Benzene	106
1,2-Dichloroethane	102
Trichloroethene	109
1,2-Dichloropropane	105
cis-1,3-Dichloropropene	118
Toluene	109
trans-1,3-Dichloropropene	108
1,1,2-Trichloroethane	98
Tetrachloroethene	103
1,2-Dibromoethane (EDB)	103
Chlorobenzene	102
Ethyl Benzene	108
m,p-Xylene	112
o-Xylene	112
Styrene	108
1,1,2,2-Tetrachloroethane	94
1,3,5-Trimethylbenzene	108
1,2,4-Trimethylbenzene	115
1,3-Dichlorobenzene	100
1,4-Dichlorobenzene	103
alpha-Chlorotoluene	98
1,2-Dichlorobenzene	101
1,2,4-Trichlorobenzene	110
Hexachlorobutadiene	107

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 1803375-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17032202**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/22/18 10:37 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	91	70-130
4-Bromofluorobenzene	106	70-130

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Client Sample ID: LCS

Lab ID#: 1803375-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17032203**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/22/18 11:06 AM**	

Compound	%Recovery	Method Limits
Freon 12	86	70-130
Freon 114	87	70-130
Chloromethane	77	70-130
Vinyl Chloride	82	70-130
Bromomethane	76	70-130
Chloroethane	76	70-130
Freon 11	79	70-130
Freon 113	77	70-130
1,1-Dichloroethene	84	70-130
Methylene Chloride	75	70-130
Methyl tert-butyl ether	84	70-130
1,1-Dichloroethane	83	70-130
cis-1,2-Dichloroethene	98	70-130
Chloroform	84	70-130
1,1,1-Trichloroethane	81	70-130
Carbon Tetrachloride	82	70-130
Benzene	95	70-130
1,2-Dichloroethane	93	70-130
Trichloroethene	101	70-130
1,2-Dichloropropane	94	70-130
cis-1,3-Dichloropropene	100	70-130
Toluene	97	70-130
trans-1,3-Dichloropropene	96	70-130
1,1,2-Trichloroethane	87	70-130
Tetrachloroethene	92	70-130
1,2-Dibromoethane (EDB)	91	70-130
Chlorobenzene	91	70-130
Ethyl Benzene	96	70-130
m,p-Xylene	100	70-130
o-Xylene	101	70-130
Styrene	104	70-130
1,1,2,2-Tetrachloroethane	83	70-130
1,3,5-Trimethylbenzene	99	70-130
1,2,4-Trimethylbenzene	104	70-130
1,3-Dichlorobenzene	92	70-130
1,4-Dichlorobenzene	93	70-130
alpha-Chlorotoluene	94	70-130
1,2-Dichlorobenzene	91	70-130
1,2,4-Trichlorobenzene	105	70-130
Hexachlorobutadiene	98	70-130

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 1803375-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17032203**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/22/18 11:06 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	88	70-130
4-Bromofluorobenzene	105	70-130

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Client Sample ID: LCSD

Lab ID#: 1803375-05AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17032204**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/22/18 11:34 AM**	

Compound	%Recovery	Method Limits
Freon 12	90	70-130
Freon 114	92	70-130
Chloromethane	80	70-130
Vinyl Chloride	87	70-130
Bromomethane	80	70-130
Chloroethane	84	70-130
Freon 11	83	70-130
Freon 113	82	70-130
1,1-Dichloroethene	88	70-130
Methylene Chloride	79	70-130
Methyl tert-butyl ether	89	70-130
1,1-Dichloroethane	87	70-130
cis-1,2-Dichloroethene	104	70-130
Chloroform	88	70-130
1,1,1-Trichloroethane	86	70-130
Carbon Tetrachloride	87	70-130
Benzene	96	70-130
1,2-Dichloroethane	93	70-130
Trichloroethene	101	70-130
1,2-Dichloropropane	96	70-130
cis-1,3-Dichloropropene	101	70-130
Toluene	98	70-130
trans-1,3-Dichloropropene	99	70-130
1,1,2-Trichloroethane	90	70-130
Tetrachloroethene	94	70-130
1,2-Dibromoethane (EDB)	93	70-130
Chlorobenzene	93	70-130
Ethyl Benzene	98	70-130
m,p-Xylene	102	70-130
o-Xylene	104	70-130
Styrene	104	70-130
1,1,2,2-Tetrachloroethane	85	70-130
1,3,5-Trimethylbenzene	101	70-130
1,2,4-Trimethylbenzene	108	70-130
1,3-Dichlorobenzene	94	70-130
1,4-Dichlorobenzene	95	70-130
alpha-Chlorotoluene	96	70-130
1,2-Dichlorobenzene	93	70-130
1,2,4-Trichlorobenzene	108	70-130
Hexachlorobutadiene	102	70-130

Container Type: NA - Not Applicable

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Client Sample ID: LCSD

Lab ID#: 1803375-05AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17032204**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/22/18 11:34 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	91	70-130
4-Bromofluorobenzene	103	70-130

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Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager Andrew Stehn TRC
Collected by: (Print and Sign) John Roelke
Company TRC Email astehn@trcsolutions.com
Address 708 Heartland Tr City Madison State WI Zip 53717
Phone (608)826-3665 Fax

Project Info:
P.O. # 117373
Project # 292257
Project Name MKC

Turn Around Time:
☑ Normal
☐ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	Combined Influent	1L3128	3/8/18	1445	TO-15	-28	-5.5		
02A	Combined Effluent	1L3157	3/8/18	1455	TO-15	-29	-7.5		

Relinquished by: (signature) Date/Time 3/8/18 1500
Received by: (signature) Date/Time EAT 03/20/2018 1522
Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time
Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time

Notes: Two (2) canisters not used.

Lab Use Only
Shipper Name: Fed Ex
Air Bill #:
Temp (°C): NA
Condition: Good
Custody Seals Intact? Yes No None
Work Order #: 1803375 CP
1803375 03/20/18

Form 1293 rev.11

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4/20/2018
Mr. Andrew Stehn
TRC Corporation (RMT)
708 Heartland Trail
Suite 3000
Madison WI 53717

Project Name: MKC
Project #: 292257.0000.0000
Workorder #: 1804171

Dear Mr. Andrew Stehn

The following report includes the data for the above referenced project for sample(s) received on 4/9/2018 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

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WORK ORDER #: 1804171

Work Order Summary

CLIENT:	Mr. Andrew Stehn TRC Corporation (RMT) 708 Heartland Trail Suite 3000 Madison, WI 53717	**BILL TO:**	Accounts Payable/Windsor TRC Companies, Inc. 21 Griffin Rd North Windsor, CT 06095
PHONE:	608-826-3665	**P.O. #**	117373
FAX:	608-826-3941	**PROJECT #**	292257.0000.0000 MKC
DATE RECEIVED:	04/09/2018	**CONTACT:**	Ausha Scott
DATE COMPLETED:	04/20/2018		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	Combined Influent	TO-15	6.7 "Hg	14.9 psi
02A	Combined Effluent	TO-15	8 "Hg	15.2 psi
03A	Lab Blank	TO-15	NA	NA
04A	CCV	TO-15	NA	NA
05A	LCS	TO-15	NA	NA
05AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 04/20/18

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704434-16-11, UT NELAP CA0093332016-7, VA NELAP - 8113, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2016, Expiration date: 10/17/2017.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

LABORATORY NARRATIVE
EPA Method TO-15
TRC Corporation (RMT)
Workorder# 1804171

Two 1 Liter Summa Canister samples were received on April 09, 2018. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Dilution was performed on samples Combined Influent and Combined Effluent due to the presence of high level target species.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: Combined Influent

Lab ID#: 1804171-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	6.5	8.8	17	22
cis-1,2-Dichloroethene	6.5	670	26	2700
Trichloroethene	6.5	470	35	2500
Tetrachloroethene	6.5	1700	44	11000

Client Sample ID: Combined Effluent

Lab ID#: 1804171-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	2.8	9.2	7.1	24
cis-1,2-Dichloroethene	2.8	430	11	1700
Trichloroethene	2.8	120	15	660
Tetrachloroethene	2.8	610	19	4100

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Client Sample ID: Combined Influent

Lab ID#: 1804171-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17041013**	**Date of Collection:**	**4/3/18 8:50:00 AM**
Dil. Factor:	**13.0**	**Date of Analysis:**	**4/10/18 07:58 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	6.5	Not Detected	32	Not Detected
Freon 114	6.5	Not Detected	45	Not Detected
Chloromethane	65	Not Detected	130	Not Detected
Vinyl Chloride	6.5	8.8	17	22
Bromomethane	65	Not Detected	250	Not Detected
Chloroethane	26	Not Detected	69	Not Detected
Freon 11	6.5	Not Detected	36	Not Detected
Freon 113	6.5	Not Detected	50	Not Detected
1,1-Dichloroethene	6.5	Not Detected	26	Not Detected
Methylene Chloride	65	Not Detected	220	Not Detected
Methyl tert-butyl ether	26	Not Detected	94	Not Detected
1,1-Dichloroethane	6.5	Not Detected	26	Not Detected
cis-1,2-Dichloroethene	6.5	670	26	2700
Chloroform	6.5	Not Detected	32	Not Detected
1,1,1-Trichloroethane	6.5	Not Detected	35	Not Detected
Carbon Tetrachloride	6.5	Not Detected	41	Not Detected
Benzene	6.5	Not Detected	21	Not Detected
1,2-Dichloroethane	6.5	Not Detected	26	Not Detected
Trichloroethene	6.5	470	35	2500
1,2-Dichloropropane	6.5	Not Detected	30	Not Detected
cis-1,3-Dichloropropene	6.5	Not Detected	30	Not Detected
Toluene	6.5	Not Detected	24	Not Detected
trans-1,3-Dichloropropene	6.5	Not Detected	30	Not Detected
1,1,2-Trichloroethane	6.5	Not Detected	35	Not Detected
Tetrachloroethene	6.5	1700	44	11000
1,2-Dibromoethane (EDB)	6.5	Not Detected	50	Not Detected
Chlorobenzene	6.5	Not Detected	30	Not Detected
Ethyl Benzene	6.5	Not Detected	28	Not Detected
m,p-Xylene	6.5	Not Detected	28	Not Detected
o-Xylene	6.5	Not Detected	28	Not Detected
Styrene	6.5	Not Detected	28	Not Detected
1,1,2,2-Tetrachloroethane	6.5	Not Detected	45	Not Detected
1,3,5-Trimethylbenzene	6.5	Not Detected	32	Not Detected
1,2,4-Trimethylbenzene	6.5	Not Detected	32	Not Detected
1,3-Dichlorobenzene	6.5	Not Detected	39	Not Detected
1,4-Dichlorobenzene	6.5	Not Detected	39	Not Detected
alpha-Chlorotoluene	6.5	Not Detected	34	Not Detected
1,2-Dichlorobenzene	6.5	Not Detected	39	Not Detected
1,2,4-Trichlorobenzene	26	Not Detected	190	Not Detected
Hexachlorobutadiene	26	Not Detected	280	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Combined Influent

Lab ID#: 1804171-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17041013**	**Date of Collection: 4/3/18 8:50:00 AM**	
Dil. Factor:	**13.0**	**Date of Analysis: 4/10/18 07:58 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: Combined Effluent

Lab ID#: 1804171-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17041012**	**Date of Collection:**	**4/3/18 9:30:00 AM**
Dil. Factor:	**5.55**	**Date of Analysis:**	**4/10/18 07:32 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	2.8	Not Detected	14	Not Detected
Freon 114	2.8	Not Detected	19	Not Detected
Chloromethane	28	Not Detected	57	Not Detected
Vinyl Chloride	2.8	9.2	7.1	24
Bromomethane	28	Not Detected	110	Not Detected
Chloroethane	11	Not Detected	29	Not Detected
Freon 11	2.8	Not Detected	16	Not Detected
Freon 113	2.8	Not Detected	21	Not Detected
1,1-Dichloroethene	2.8	Not Detected	11	Not Detected
Methylene Chloride	28	Not Detected	96	Not Detected
Methyl tert-butyl ether	11	Not Detected	40	Not Detected
1,1-Dichloroethane	2.8	Not Detected	11	Not Detected
cis-1,2-Dichloroethene	2.8	430	11	1700
Chloroform	2.8	Not Detected	14	Not Detected
1,1,1-Trichloroethane	2.8	Not Detected	15	Not Detected
Carbon Tetrachloride	2.8	Not Detected	17	Not Detected
Benzene	2.8	Not Detected	8.9	Not Detected
1,2-Dichloroethane	2.8	Not Detected	11	Not Detected
Trichloroethene	2.8	120	15	660
1,2-Dichloropropane	2.8	Not Detected	13	Not Detected
cis-1,3-Dichloropropene	2.8	Not Detected	12	Not Detected
Toluene	2.8	Not Detected	10	Not Detected
trans-1,3-Dichloropropene	2.8	Not Detected	12	Not Detected
1,1,2-Trichloroethane	2.8	Not Detected	15	Not Detected
Tetrachloroethene	2.8	610	19	4100
1,2-Dibromoethane (EDB)	2.8	Not Detected	21	Not Detected
Chlorobenzene	2.8	Not Detected	13	Not Detected
Ethyl Benzene	2.8	Not Detected	12	Not Detected
m,p-Xylene	2.8	Not Detected	12	Not Detected
o-Xylene	2.8	Not Detected	12	Not Detected
Styrene	2.8	Not Detected	12	Not Detected
1,1,2,2-Tetrachloroethane	2.8	Not Detected	19	Not Detected
1,3,5-Trimethylbenzene	2.8	Not Detected	14	Not Detected
1,2,4-Trimethylbenzene	2.8	Not Detected	14	Not Detected
1,3-Dichlorobenzene	2.8	Not Detected	17	Not Detected
1,4-Dichlorobenzene	2.8	Not Detected	17	Not Detected
alpha-Chlorotoluene	2.8	Not Detected	14	Not Detected
1,2-Dichlorobenzene	2.8	Not Detected	17	Not Detected
1,2,4-Trichlorobenzene	11	Not Detected	82	Not Detected
Hexachlorobutadiene	11	Not Detected	120	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Combined Effluent

Lab ID#: 1804171-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17041012**	**Date of Collection: 4/3/18 9:30:00 AM**	
Dil. Factor:	**5.55**	**Date of Analysis: 4/10/18 07:32 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1804171-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17041005**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/10/18 01:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: Lab Blank

Lab ID#: 1804171-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17041005**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/10/18 01:14 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: CCV

Lab ID#: 1804171-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17041002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/10/18 11:12 AM**	

Compound	%Recovery
Freon 12	98
Freon 114	96
Chloromethane	90
Vinyl Chloride	96
Bromomethane	99
Chloroethane	94
Freon 11	97
Freon 113	97
1,1-Dichloroethene	101
Methylene Chloride	96
Methyl tert-butyl ether	97
1,1-Dichloroethane	99
cis-1,2-Dichloroethene	103
Chloroform	102
1,1,1-Trichloroethane	100
Carbon Tetrachloride	99
Benzene	96
1,2-Dichloroethane	99
Trichloroethene	101
1,2-Dichloropropane	100
cis-1,3-Dichloropropene	102
Toluene	101
trans-1,3-Dichloropropene	102
1,1,2-Trichloroethane	100
Tetrachloroethene	102
1,2-Dibromoethane (EDB)	105
Chlorobenzene	102
Ethyl Benzene	103
m,p-Xylene	105
o-Xylene	106
Styrene	109
1,1,2,2-Tetrachloroethane	101
1,3,5-Trimethylbenzene	108
1,2,4-Trimethylbenzene	108
1,3-Dichlorobenzene	104
1,4-Dichlorobenzene	104
alpha-Chlorotoluene	108
1,2-Dichlorobenzene	104
1,2,4-Trichlorobenzene	103
Hexachlorobutadiene	100

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 1804171-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17041002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/10/18 11:12 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: LCS

Lab ID#: 1804171-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17041003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/10/18 11:39 AM**	

Compound	%Recovery	Method Limits
Freon 12	100	70-130
Freon 114	100	70-130
Chloromethane	91	70-130
Vinyl Chloride	99	70-130
Bromomethane	102	70-130
Chloroethane	99	70-130
Freon 11	99	70-130
Freon 113	97	70-130
1,1-Dichloroethene	102	70-130
Methylene Chloride	96	70-130
Methyl tert-butyl ether	98	70-130
1,1-Dichloroethane	101	70-130
cis-1,2-Dichloroethene	99	70-130
Chloroform	105	70-130
1,1,1-Trichloroethane	102	70-130
Carbon Tetrachloride	101	70-130
Benzene	98	70-130
1,2-Dichloroethane	99	70-130
Trichloroethene	104	70-130
1,2-Dichloropropane	101	70-130
cis-1,3-Dichloropropene	108	70-130
Toluene	103	70-130
trans-1,3-Dichloropropene	104	70-130
1,1,2-Trichloroethane	103	70-130
Tetrachloroethene	103	70-130
1,2-Dibromoethane (EDB)	107	70-130
Chlorobenzene	104	70-130
Ethyl Benzene	106	70-130
m,p-Xylene	105	70-130
o-Xylene	108	70-130
Styrene	109	70-130
1,1,2,2-Tetrachloroethane	102	70-130
1,3,5-Trimethylbenzene	107	70-130
1,2,4-Trimethylbenzene	109	70-130
1,3-Dichlorobenzene	104	70-130
1,4-Dichlorobenzene	106	70-130
alpha-Chlorotoluene	106	70-130
1,2-Dichlorobenzene	104	70-130
1,2,4-Trichlorobenzene	96	70-130
Hexachlorobutadiene	97	70-130

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 1804171-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17041003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/10/18 11:39 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: LCSD

Lab ID#: 1804171-05AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17041004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/10/18 12:05 PM**	

Compound	%Recovery	Method Limits
Freon 12	99	70-130
Freon 114	99	70-130
Chloromethane	93	70-130
Vinyl Chloride	98	70-130
Bromomethane	102	70-130
Chloroethane	98	70-130
Freon 11	98	70-130
Freon 113	96	70-130
1,1-Dichloroethene	103	70-130
Methylene Chloride	96	70-130
Methyl tert-butyl ether	98	70-130
1,1-Dichloroethane	101	70-130
cis-1,2-Dichloroethene	99	70-130
Chloroform	106	70-130
1,1,1-Trichloroethane	102	70-130
Carbon Tetrachloride	101	70-130
Benzene	98	70-130
1,2-Dichloroethane	100	70-130
Trichloroethene	105	70-130
1,2-Dichloropropane	102	70-130
cis-1,3-Dichloropropene	110	70-130
Toluene	104	70-130
trans-1,3-Dichloropropene	102	70-130
1,1,2-Trichloroethane	102	70-130
Tetrachloroethene	101	70-130
1,2-Dibromoethane (EDB)	107	70-130
Chlorobenzene	104	70-130
Ethyl Benzene	105	70-130
m,p-Xylene	106	70-130
o-Xylene	106	70-130
Styrene	108	70-130
1,1,2,2-Tetrachloroethane	101	70-130
1,3,5-Trimethylbenzene	108	70-130
1,2,4-Trimethylbenzene	108	70-130
1,3-Dichlorobenzene	103	70-130
1,4-Dichlorobenzene	105	70-130
alpha-Chlorotoluene	106	70-130
1,2-Dichlorobenzene	104	70-130
1,2,4-Trichlorobenzene	101	70-130
Hexachlorobutadiene	102	70-130

Container Type: NA - Not Applicable

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Client Sample ID: LCSD

Lab ID#: 1804171-05AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17041004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/10/18 12:05 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	102	70-130

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Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager Andy Stehn - TRC
Collected by: (Print and Sign) John Roelke
Company TRC Email astehn@trcsolutions.com
Address 708 Heartland Tr City Madison State WI Zip 53717
Phone (608) 826-3665 Fax

Project Info:
P.O. # 117373
Project # 292257.0000.0000
Project Name MKC

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	Combined Influent	1L2358	4/3/18	850	TO-15	-29.0	-7.5		
	~~Combined Effluent~~	~~1L2752~~	~~4/3/18~~	~~858~~	~~TO-15~~	~~-28.0~~	3AR		
	~~GETS Influent~~ 3AR 4/3/18								
	~~SVE Influent~~ 3AR 4/3/18								
02A	Combined Effluent	S0020	4/3/18	930	TO-15	-25.5	-8.5		

Relinquished by: (signature) Date/Time 4/3/18 1600
Received by: (signature) Date/Time 4/9/18 1475
Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time
Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time

Notes:
Can# 1L2752 Final Vac. was -2.0 in Hg, do not analyze
Can# 1L2324 do not analyze low vacuum -2.0 mHg

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	FedEx		N/A	good	Yes No (None)	1804171

Form 1293 rev.11

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5/25/2018
Mr. Andrew Stehn
TRC Corporation (RMT)
708 Heartland Trail
Suite 3000
Madison WI 53717

Project Name: MKC
Project #: 292257.0000.0000
Workorder #: 1805243

Dear Mr. Andrew Stehn

The following report includes the data for the above referenced project for sample(s) received on 5/14/2018 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

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WORK ORDER #: 1805243

Work Order Summary

CLIENT:	Mr. Andrew Stehn TRC Corporation (RMT) 708 Heartland Trail Suite 3000 Madison, WI 53717	**BILL TO:**	Accounts Payable/Windsor TRC Companies, Inc. 21 Griffin Rd North Windsor, CT 06095
PHONE:	608-826-3665	**P.O. #**	117373
FAX:	608-826-3941	**PROJECT #**	292257.0000.0000 MKC
DATE RECEIVED:	05/14/2018	**CONTACT:**	Ausha Scott
DATE COMPLETED:	05/25/2018		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	Combined Influent	TO-15	8.6 "Hg	14.8 psi
02A	Combined Effluent	TO-15	8.2 "Hg	15.3 psi
03A	Lab Blank	TO-15	NA	NA
03B	Lab Blank	TO-15	NA	NA
04A	CCV	TO-15	NA	NA
04B	CCV	TO-15	NA	NA
05A	LCS	TO-15	NA	NA
05AA	LCSD	TO-15	NA	NA
05B	LCS	TO-15	NA	NA
05BB	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 05/25/18

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704434-16-11, UT NELAP CA0093332016-7, VA NELAP - 8113, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2016, Expiration date: 10/17/2017.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

LABORATORY NARRATIVE
EPA Method TO-15
TRC Corporation (RMT)
Workorder# 1805243

Two 1 Liter Summa Canister samples were received on May 14, 2018. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Dilution was performed on samples Combined Influent and Combined Effluent due to the presence of high level target species.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: Combined Influent

Lab ID#: 1805243-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	2.8	7.2	7.2	18
cis-1,2-Dichloroethene	2.8	600	11	2400
Trichloroethene	2.8	400	15	2200
Tetrachloroethene	2.8	1100	19	7600

Client Sample ID: Combined Effluent

Lab ID#: 1805243-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.1	7.5	8.0	19
cis-1,2-Dichloroethene	3.1	1100	12	4300
Trichloroethene	3.1	240	17	1300
Tetrachloroethene	3.1	820	21	5500

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Client Sample ID: Combined Influent

Lab ID#: 1805243-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17051819**	**Date of Collection:**	**5/8/18 10:55:00 AM**
Dil. Factor:	**5.63**	**Date of Analysis:**	**5/18/18 11:52 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	2.8	Not Detected	14	Not Detected
Freon 114	2.8	Not Detected	20	Not Detected
Chloromethane	28	Not Detected UJ	58	Not Detected UJ
Vinyl Chloride	2.8	7.2	7.2	18
Bromomethane	28	Not Detected	110	Not Detected
Chloroethane	11	Not Detected	30	Not Detected
Freon 11	2.8	Not Detected	16	Not Detected
Freon 113	2.8	Not Detected	22	Not Detected
1,1-Dichloroethene	2.8	Not Detected	11	Not Detected
Methylene Chloride	28	Not Detected	98	Not Detected
Methyl tert-butyl ether	11	Not Detected	40	Not Detected
1,1-Dichloroethane	2.8	Not Detected	11	Not Detected
cis-1,2-Dichloroethene	2.8	600	11	2400
Chloroform	2.8	Not Detected	14	Not Detected
1,1,1-Trichloroethane	2.8	Not Detected	15	Not Detected
Carbon Tetrachloride	2.8	Not Detected	18	Not Detected
Benzene	2.8	Not Detected	9.0	Not Detected
1,2-Dichloroethane	2.8	Not Detected	11	Not Detected
Trichloroethene	2.8	400	15	2200
1,2-Dichloropropane	2.8	Not Detected	13	Not Detected
cis-1,3-Dichloropropene	2.8	Not Detected	13	Not Detected
Toluene	2.8	Not Detected	11	Not Detected
trans-1,3-Dichloropropene	2.8	Not Detected	13	Not Detected
1,1,2-Trichloroethane	2.8	Not Detected	15	Not Detected
Tetrachloroethene	2.8	1100	19	7600
1,2-Dibromoethane (EDB)	2.8	Not Detected	22	Not Detected
Chlorobenzene	2.8	Not Detected	13	Not Detected
Ethyl Benzene	2.8	Not Detected	12	Not Detected
m,p-Xylene	2.8	Not Detected	12	Not Detected
o-Xylene	2.8	Not Detected	12	Not Detected
Styrene	2.8	Not Detected	12	Not Detected
1,1,2,2-Tetrachloroethane	2.8	Not Detected	19	Not Detected
1,3,5-Trimethylbenzene	2.8	Not Detected	14	Not Detected
1,2,4-Trimethylbenzene	2.8	Not Detected	14	Not Detected
1,3-Dichlorobenzene	2.8	Not Detected	17	Not Detected
1,4-Dichlorobenzene	2.8	Not Detected	17	Not Detected
alpha-Chlorotoluene	2.8	Not Detected	14	Not Detected
1,2-Dichlorobenzene	2.8	Not Detected	17	Not Detected
1,2,4-Trichlorobenzene	11	Not Detected	84	Not Detected
Hexachlorobutadiene	11	Not Detected	120	Not Detected

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Client Sample ID: Combined Influent

Lab ID#: 1805243-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17051819**	**Date of Collection: 5/8/18 10:55:00 AM**	
Dil. Factor:	**5.63**	**Date of Analysis: 5/18/18 11:52 PM**	

UJ = Analyte associated with low bias in the CCV.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	89	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: Combined Effluent

Lab ID#: 1805243-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p052106**	**Date of Collection:**	**5/8/18 11:15:00 AM**
Dil. Factor:	**6.24**	**Date of Analysis:**	**5/21/18 03:50 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	3.1	Not Detected	15	Not Detected
Freon 114	3.1	Not Detected	22	Not Detected
Chloromethane	31	Not Detected	64	Not Detected
Vinyl Chloride	3.1	7.5	8.0	19
Bromomethane	31	Not Detected	120	Not Detected
Chloroethane	12	Not Detected	33	Not Detected
Freon 11	3.1	Not Detected	18	Not Detected
Freon 113	3.1	Not Detected	24	Not Detected
1,1-Dichloroethene	3.1	Not Detected	12	Not Detected
Methylene Chloride	31	Not Detected	110	Not Detected
Methyl tert-butyl ether	12	Not Detected	45	Not Detected
1,1-Dichloroethane	3.1	Not Detected	13	Not Detected
cis-1,2-Dichloroethene	3.1	1100	12	4300
Chloroform	3.1	Not Detected	15	Not Detected
1,1,1-Trichloroethane	3.1	Not Detected	17	Not Detected
Carbon Tetrachloride	3.1	Not Detected	20	Not Detected
Benzene	3.1	Not Detected	10	Not Detected
1,2-Dichloroethane	3.1	Not Detected	13	Not Detected
Trichloroethene	3.1	240	17	1300
1,2-Dichloropropane	3.1	Not Detected	14	Not Detected
cis-1,3-Dichloropropene	3.1	Not Detected	14	Not Detected
Toluene	3.1	Not Detected	12	Not Detected
trans-1,3-Dichloropropene	3.1	Not Detected	14	Not Detected
1,1,2-Trichloroethane	3.1	Not Detected	17	Not Detected
Tetrachloroethene	3.1	820	21	5500
1,2-Dibromoethane (EDB)	3.1	Not Detected	24	Not Detected
Chlorobenzene	3.1	Not Detected	14	Not Detected
Ethyl Benzene	3.1	Not Detected	14	Not Detected
m,p-Xylene	3.1	Not Detected	14	Not Detected
o-Xylene	3.1	Not Detected	14	Not Detected
Styrene	3.1	Not Detected	13	Not Detected
1,1,2,2-Tetrachloroethane	3.1	Not Detected	21	Not Detected
1,3,5-Trimethylbenzene	3.1	Not Detected	15	Not Detected
1,2,4-Trimethylbenzene	3.1	Not Detected	15	Not Detected
1,3-Dichlorobenzene	3.1	Not Detected	19	Not Detected
1,4-Dichlorobenzene	3.1	Not Detected	19	Not Detected
alpha-Chlorotoluene	3.1	Not Detected	16	Not Detected
1,2-Dichlorobenzene	3.1	Not Detected	19	Not Detected
1,2,4-Trichlorobenzene	12	Not Detected	93	Not Detected
Hexachlorobutadiene	12	Not Detected	130	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Combined Effluent

Lab ID#: 1805243-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p052106**	**Date of Collection:**	**5/8/18 11:15:00 AM**
Dil. Factor:	**6.24**	**Date of Analysis:**	**5/21/18 03:50 PM**

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	93	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1805243-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17051805**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/18/18 12:24 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected UJ	10	Not Detected UJ
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 1805243-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17051805**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/18/18 12:24 PM**	

UJ = Analyte associated with low bias in the CCV.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	91	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1805243-03B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p052105**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/21/18 11:35 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: Lab Blank

Lab ID#: 1805243-03B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p052105**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/21/18 11:35 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	93	70-130

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Client Sample ID: CCV

Lab ID#: 1805243-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17051802**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/18/18 10:46 AM**	

Compound	%Recovery
Freon 12	97
Freon 114	104
Chloromethane	66 Q
Vinyl Chloride	89
Bromomethane	98
Chloroethane	88
Freon 11	104
Freon 113	104
1,1-Dichloroethene	98
Methylene Chloride	87
Methyl tert-butyl ether	90
1,1-Dichloroethane	95
cis-1,2-Dichloroethene	105
Chloroform	107
1,1,1-Trichloroethane	104
Carbon Tetrachloride	106
Benzene	100
1,2-Dichloroethane	104
Trichloroethene	108
1,2-Dichloropropane	98
cis-1,3-Dichloropropene	101
Toluene	106
trans-1,3-Dichloropropene	99
1,1,2-Trichloroethane	104
Tetrachloroethene	114
1,2-Dibromoethane (EDB)	110
Chlorobenzene	106
Ethyl Benzene	107
m,p-Xylene	108
o-Xylene	108
Styrene	108
1,1,2,2-Tetrachloroethane	105
1,3,5-Trimethylbenzene	118
1,2,4-Trimethylbenzene	111
1,3-Dichlorobenzene	113
1,4-Dichlorobenzene	113
alpha-Chlorotoluene	108
1,2-Dichlorobenzene	114
1,2,4-Trichlorobenzene	112
Hexachlorobutadiene	121

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Client Sample ID: CCV

Lab ID#: 1805243-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17051802**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/18/18 10:46 AM**	

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	106	70-130

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Client Sample ID: CCV

Lab ID#: 1805243-04B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p052102**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/21/18 10:00 AM**	

Compound	%Recovery
Freon 12	105
Freon 114	104
Chloromethane	100
Vinyl Chloride	120
Bromomethane	108
Chloroethane	102
Freon 11	102
Freon 113	102
1,1-Dichloroethene	105
Methylene Chloride	99
Methyl tert-butyl ether	105
1,1-Dichloroethane	104
cis-1,2-Dichloroethene	108
Chloroform	106
1,1,1-Trichloroethane	104
Carbon Tetrachloride	112
Benzene	110
1,2-Dichloroethane	104
Trichloroethene	101
1,2-Dichloropropane	102
cis-1,3-Dichloropropene	108
Toluene	108
trans-1,3-Dichloropropene	111
1,1,2-Trichloroethane	104
Tetrachloroethene	108
1,2-Dibromoethane (EDB)	109
Chlorobenzene	106
Ethyl Benzene	116
m,p-Xylene	123
o-Xylene	122
Styrene	130
1,1,2,2-Tetrachloroethane	102
1,3,5-Trimethylbenzene	126
1,2,4-Trimethylbenzene	126
1,3-Dichlorobenzene	112
1,4-Dichlorobenzene	116
alpha-Chlorotoluene	116
1,2-Dichlorobenzene	112
1,2,4-Trichlorobenzene	108
Hexachlorobutadiene	105

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 1805243-04B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p052102**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/21/18 10:00 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	109	70-130

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Client Sample ID: LCS

Lab ID#: 1805243-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17051803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/18/18 11:15 AM**	

Compound	%Recovery	Method Limits
Freon 12	97	70-130
Freon 114	107	70-130
Chloromethane	65 Q	70-130
Vinyl Chloride	92	70-130
Bromomethane	101	70-130
Chloroethane	90	70-130
Freon 11	105	70-130
Freon 113	102	70-130
1,1-Dichloroethene	99	70-130
Methylene Chloride	86	70-130
Methyl tert-butyl ether	89	70-130
1,1-Dichloroethane	95	70-130
cis-1,2-Dichloroethene	96	70-130
Chloroform	107	70-130
1,1,1-Trichloroethane	106	70-130
Carbon Tetrachloride	108	70-130
Benzene	101	70-130
1,2-Dichloroethane	104	70-130
Trichloroethene	112	70-130
1,2-Dichloropropane	100	70-130
cis-1,3-Dichloropropene	111	70-130
Toluene	110	70-130
trans-1,3-Dichloropropene	100	70-130
1,1,2-Trichloroethane	106	70-130
Tetrachloroethene	114	70-130
1,2-Dibromoethane (EDB)	111	70-130
Chlorobenzene	108	70-130
Ethyl Benzene	108	70-130
m,p-Xylene	110	70-130
o-Xylene	110	70-130
Styrene	110	70-130
1,1,2,2-Tetrachloroethane	106	70-130
1,3,5-Trimethylbenzene	119	70-130
1,2,4-Trimethylbenzene	114	70-130
1,3-Dichlorobenzene	113	70-130
1,4-Dichlorobenzene	115	70-130
alpha-Chlorotoluene	114	70-130
1,2-Dichlorobenzene	113	70-130
1,2,4-Trichlorobenzene	107	70-130
Hexachlorobutadiene	114	70-130

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Client Sample ID: LCS

Lab ID#: 1805243-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17051803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/18/18 11:15 AM**	

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	106	70-130

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Client Sample ID: LCSD

Lab ID#: 1805243-05AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17051804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/18/18 11:43 AM**	

Compound	%Recovery	Method Limits
Freon 12	95	70-130
Freon 114	106	70-130
Chloromethane	62 Q	70-130
Vinyl Chloride	93	70-130
Bromomethane	101	70-130
Chloroethane	91	70-130
Freon 11	104	70-130
Freon 113	104	70-130
1,1-Dichloroethene	100	70-130
Methylene Chloride	86	70-130
Methyl tert-butyl ether	91	70-130
1,1-Dichloroethane	94	70-130
cis-1,2-Dichloroethene	99	70-130
Chloroform	108	70-130
1,1,1-Trichloroethane	106	70-130
Carbon Tetrachloride	108	70-130
Benzene	100	70-130
1,2-Dichloroethane	103	70-130
Trichloroethene	111	70-130
1,2-Dichloropropane	100	70-130
cis-1,3-Dichloropropene	110	70-130
Toluene	109	70-130
trans-1,3-Dichloropropene	101	70-130
1,1,2-Trichloroethane	106	70-130
Tetrachloroethene	114	70-130
1,2-Dibromoethane (EDB)	111	70-130
Chlorobenzene	106	70-130
Ethyl Benzene	107	70-130
m,p-Xylene	109	70-130
o-Xylene	109	70-130
Styrene	109	70-130
1,1,2,2-Tetrachloroethane	104	70-130
1,3,5-Trimethylbenzene	119	70-130
1,2,4-Trimethylbenzene	116	70-130
1,3-Dichlorobenzene	112	70-130
1,4-Dichlorobenzene	115	70-130
alpha-Chlorotoluene	113	70-130
1,2-Dichlorobenzene	112	70-130
1,2,4-Trichlorobenzene	113	70-130
Hexachlorobutadiene	120	70-130

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Client Sample ID: LCSD

Lab ID#: 1805243-05AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**17051804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/18/18 11:43 AM**	

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	106	70-130

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Client Sample ID: LCS

Lab ID#: 1805243-05B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p052103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/21/18 10:26 AM**	

Compound	%Recovery	Method Limits
Freon 12	101	70-130
Freon 114	103	70-130
Chloromethane	101	70-130
Vinyl Chloride	117	70-130
Bromomethane	106	70-130
Chloroethane	103	70-130
Freon 11	100	70-130
Freon 113	98	70-130
1,1-Dichloroethene	104	70-130
Methylene Chloride	97	70-130
Methyl tert-butyl ether	96	70-130
1,1-Dichloroethane	100	70-130
cis-1,2-Dichloroethene	92	70-130
Chloroform	102	70-130
1,1,1-Trichloroethane	100	70-130
Carbon Tetrachloride	106	70-130
Benzene	105	70-130
1,2-Dichloroethane	97	70-130
Trichloroethene	100	70-130
1,2-Dichloropropane	97	70-130
cis-1,3-Dichloropropene	111	70-130
Toluene	104	70-130
trans-1,3-Dichloropropene	107	70-130
1,1,2-Trichloroethane	99	70-130
Tetrachloroethene	102	70-130
1,2-Dibromoethane (EDB)	104	70-130
Chlorobenzene	101	70-130
Ethyl Benzene	114	70-130
m,p-Xylene	116	70-130
o-Xylene	115	70-130
Styrene	124	70-130
1,1,2,2-Tetrachloroethane	96	70-130
1,3,5-Trimethylbenzene	118	70-130
1,2,4-Trimethylbenzene	121	70-130
1,3-Dichlorobenzene	105	70-130
1,4-Dichlorobenzene	110	70-130
alpha-Chlorotoluene	112	70-130
1,2-Dichlorobenzene	106	70-130
1,2,4-Trichlorobenzene	101	70-130
Hexachlorobutadiene	97	70-130

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 1805243-05B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p052103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/21/18 10:26 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	106	70-130

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Client Sample ID: LCSD

Lab ID#: 1805243-05BB

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p052104**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/21/18 10:52 AM**	

Compound	%Recovery	Method Limits
Freon 12	101	70-130
Freon 114	102	70-130
Chloromethane	101	70-130
Vinyl Chloride	120	70-130
Bromomethane	106	70-130
Chloroethane	99	70-130
Freon 11	99	70-130
Freon 113	97	70-130
1,1-Dichloroethene	104	70-130
Methylene Chloride	97	70-130
Methyl tert-butyl ether	99	70-130
1,1-Dichloroethane	98	70-130
cis-1,2-Dichloroethene	91	70-130
Chloroform	102	70-130
1,1,1-Trichloroethane	100	70-130
Carbon Tetrachloride	107	70-130
Benzene	105	70-130
1,2-Dichloroethane	97	70-130
Trichloroethene	100	70-130
1,2-Dichloropropane	98	70-130
cis-1,3-Dichloropropene	113	70-130
Toluene	105	70-130
trans-1,3-Dichloropropene	107	70-130
1,1,2-Trichloroethane	99	70-130
Tetrachloroethene	101	70-130
1,2-Dibromoethane (EDB)	104	70-130
Chlorobenzene	101	70-130
Ethyl Benzene	115	70-130
m,p-Xylene	116	70-130
o-Xylene	117	70-130
Styrene	124	70-130
1,1,2,2-Tetrachloroethane	96	70-130
1,3,5-Trimethylbenzene	118	70-130
1,2,4-Trimethylbenzene	122	70-130
1,3-Dichlorobenzene	106	70-130
1,4-Dichlorobenzene	112	70-130
alpha-Chlorotoluene	114	70-130
1,2-Dichlorobenzene	106	70-130
1,2,4-Trichlorobenzene	104	70-130
Hexachlorobutadiene	98	70-130

Container Type: NA - Not Applicable

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Client Sample ID: LCSD

Lab ID#: 1805243-05BB

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p052104**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/21/18 10:52 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	108	70-130

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Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager Andy Stehn - TRC
Collected by: (Print and Sign) Seth Koelke
Company TRC Email astehn@trcsolutions.com
Address 708 Heartland Tr City Madison State WI Zip 53717
Phone (608) 826-3665 Fax

Project Info:
P.O. # 117373
Project # 292257.0000.0000
Project Name MKC

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	Combined Influent	1L2691	5/8/18	1055	TO-15	-28	-9.5		
02A	Combined Effluent	1L2676	5/8/18	1115	TO-15	-30	-9.5		

Relinquished by: (signature) Date/Time 5/8/18 1300
Received by: (signature) Date/Time Alyssa EMR 05/14/18 1435
Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time
Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time

Notes:
Can #1L2589 & #40894 were not used

Lab Use Only

Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
FedEx		NA	Good	Yes No (None)	1805243

Form 1293 rev.11

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6/19/2018
Mr. Andrew Stehn
TRC Corporation (RMT)
708 Heartland Trail
Suite 3000
Madison WI 53717

Project Name: MKC
Project #: 292257.0000.0000
Workorder #: 1806223

Dear Mr. Andrew Stehn

The following report includes the data for the above referenced project for sample(s) received on 6/12/2018 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

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WORK ORDER #: 1806223

Work Order Summary

CLIENT:	Mr. Andrew Stehn TRC Corporation (RMT) 708 Heartland Trail Suite 3000 Madison, WI 53717	**BILL TO:**	Accounts Payable/Windsor TRC Companies, Inc. 21 Griffin Rd North Windsor, CT 06095
PHONE:	608-826-3665	**P.O. #**	117373
FAX:	608-826-3941	**PROJECT #**	292257.0000.0000 MKC
DATE RECEIVED:	06/12/2018	**CONTACT:**	Ausha Scott
DATE COMPLETED:	06/19/2018		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	Combined Effluent	TO-15	9 "Hg	14.6 psi
02A	Combined Influent	TO-15	8 "Hg	14.8 psi
03A	Lab Blank	TO-15	NA	NA
04A	CCV	TO-15	NA	NA
05A	LCS	TO-15	NA	NA
05AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 06/19/18

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704434-16-11, UT NELAP CA0093332016-7, VA NELAP - 8113, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2016, Expiration date: 10/17/2017.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

LABORATORY NARRATIVE
EPA Method TO-15
TRC Corporation (RMT)
Workorder# 1806223

Two 1 Liter Summa Canister samples were received on June 12, 2018. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Dilution was performed on sample Combined Influent due to the presence of high level target species.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: Combined Effluent

Lab ID#: 1806223-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.4	8.1	3.6	21
cis-1,2-Dichloroethene	1.4	170	5.6	680
Benzene	1.4	1.5	4.6	4.7
Trichloroethene	1.4	220	7.6	1200
Tetrachloroethene	1.4	500	9.7	3400
m,p-Xylene	1.4	1.4	6.2	6.2

Client Sample ID: Combined Influent

Lab ID#: 1806223-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.4	8.4	8.7	21
cis-1,2-Dichloroethene	3.4	590	14	2300
Trichloroethene	3.4	330	18	1800
Tetrachloroethene	3.4	990	23	6700

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Client Sample ID: Combined Effluent

Lab ID#: 1806223-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a061410**	**Date of Collection:**	**6/6/18 10:25:00 AM**
Dil. Factor:	**2.85**	**Date of Analysis:**	**6/14/18 04:52 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.4	Not Detected	7.0	Not Detected
Freon 114	1.4	Not Detected	10	Not Detected
Chloromethane	14	Not Detected	29	Not Detected
Vinyl Chloride	1.4	8.1	3.6	21
Bromomethane	14	Not Detected	55	Not Detected
Chloroethane	5.7	Not Detected	15	Not Detected
Freon 11	1.4	Not Detected	8.0	Not Detected
Freon 113	1.4	Not Detected	11	Not Detected
1,1-Dichloroethene	1.4	Not Detected	5.6	Not Detected
Methylene Chloride	14	Not Detected	50	Not Detected
Methyl tert-butyl ether	5.7	Not Detected	20	Not Detected
1,1-Dichloroethane	1.4	Not Detected	5.8	Not Detected
cis-1,2-Dichloroethene	1.4	170	5.6	680
Chloroform	1.4	Not Detected	7.0	Not Detected
1,1,1-Trichloroethane	1.4	Not Detected	7.8	Not Detected
Carbon Tetrachloride	1.4	Not Detected	9.0	Not Detected
Benzene	1.4	1.5	4.6	4.7
1,2-Dichloroethane	1.4	Not Detected	5.8	Not Detected
Trichloroethene	1.4	220	7.6	1200
1,2-Dichloropropane	1.4	Not Detected	6.6	Not Detected
cis-1,3-Dichloropropene	1.4	Not Detected	6.5	Not Detected
Toluene	1.4	Not Detected	5.4	Not Detected
trans-1,3-Dichloropropene	1.4	Not Detected	6.5	Not Detected
1,1,2-Trichloroethane	1.4	Not Detected	7.8	Not Detected
Tetrachloroethene	1.4	500	9.7	3400
1,2-Dibromoethane (EDB)	1.4	Not Detected	11	Not Detected
Chlorobenzene	1.4	Not Detected	6.6	Not Detected
Ethyl Benzene	1.4	Not Detected	6.2	Not Detected
m,p-Xylene	1.4	1.4	6.2	6.2
o-Xylene	1.4	Not Detected	6.2	Not Detected
Styrene	1.4	Not Detected	6.1	Not Detected
1,1,2,2-Tetrachloroethane	1.4	Not Detected	9.8	Not Detected
1,3,5-Trimethylbenzene	1.4	Not Detected	7.0	Not Detected
1,2,4-Trimethylbenzene	1.4	Not Detected	7.0	Not Detected
1,3-Dichlorobenzene	1.4	Not Detected	8.6	Not Detected
1,4-Dichlorobenzene	1.4	Not Detected	8.6	Not Detected
alpha-Chlorotoluene	1.4	Not Detected	7.4	Not Detected
1,2-Dichlorobenzene	1.4	Not Detected	8.6	Not Detected
1,2,4-Trichlorobenzene	5.7	Not Detected	42	Not Detected
Hexachlorobutadiene	5.7	Not Detected	61	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Combined Effluent

Lab ID#: 1806223-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a061410**	**Date of Collection: 6/6/18 10:25:00 AM**	
Dil. Factor:	**2.85**	**Date of Analysis: 6/14/18 04:52 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	88	70-130
4-Bromofluorobenzene	107	70-130

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Client Sample ID: Combined Influent

Lab ID#: 1806223-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a061411**	**Date of Collection:**	**6/6/18 10:49:00 AM**
Dil. Factor:	**6.84**	**Date of Analysis:**	**6/14/18 05:17 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	3.4	Not Detected	17	Not Detected
Freon 114	3.4	Not Detected	24	Not Detected
Chloromethane	34	Not Detected	71	Not Detected
Vinyl Chloride	3.4	8.4	8.7	21
Bromomethane	34	Not Detected	130	Not Detected
Chloroethane	14	Not Detected	36	Not Detected
Freon 11	3.4	Not Detected	19	Not Detected
Freon 113	3.4	Not Detected	26	Not Detected
1,1-Dichloroethene	3.4	Not Detected	14	Not Detected
Methylene Chloride	34	Not Detected	120	Not Detected
Methyl tert-butyl ether	14	Not Detected	49	Not Detected
1,1-Dichloroethane	3.4	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	3.4	590	14	2300
Chloroform	3.4	Not Detected	17	Not Detected
1,1,1-Trichloroethane	3.4	Not Detected	19	Not Detected
Carbon Tetrachloride	3.4	Not Detected	22	Not Detected
Benzene	3.4	Not Detected	11	Not Detected
1,2-Dichloroethane	3.4	Not Detected	14	Not Detected
Trichloroethene	3.4	330	18	1800
1,2-Dichloropropane	3.4	Not Detected	16	Not Detected
cis-1,3-Dichloropropene	3.4	Not Detected	16	Not Detected
Toluene	3.4	Not Detected	13	Not Detected
trans-1,3-Dichloropropene	3.4	Not Detected	16	Not Detected
1,1,2-Trichloroethane	3.4	Not Detected	19	Not Detected
Tetrachloroethene	3.4	990	23	6700
1,2-Dibromoethane (EDB)	3.4	Not Detected	26	Not Detected
Chlorobenzene	3.4	Not Detected	16	Not Detected
Ethyl Benzene	3.4	Not Detected	15	Not Detected
m,p-Xylene	3.4	Not Detected	15	Not Detected
o-Xylene	3.4	Not Detected	15	Not Detected
Styrene	3.4	Not Detected	14	Not Detected
1,1,2,2-Tetrachloroethane	3.4	Not Detected	23	Not Detected
1,3,5-Trimethylbenzene	3.4	Not Detected	17	Not Detected
1,2,4-Trimethylbenzene	3.4	Not Detected	17	Not Detected
1,3-Dichlorobenzene	3.4	Not Detected	20	Not Detected
1,4-Dichlorobenzene	3.4	Not Detected	20	Not Detected
alpha-Chlorotoluene	3.4	Not Detected	18	Not Detected
1,2-Dichlorobenzene	3.4	Not Detected	20	Not Detected
1,2,4-Trichlorobenzene	14	Not Detected	100	Not Detected
Hexachlorobutadiene	14	Not Detected	140	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Combined Influent

Lab ID#: 1806223-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a061411**	**Date of Collection: 6/6/18 10:49:00 AM**	
Dil. Factor:	**6.84**	**Date of Analysis: 6/14/18 05:17 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	89	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1806223-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a061405**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/14/18 02:10 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: Lab Blank

Lab ID#: 1806223-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a061405**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/14/18 02:10 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	106	70-130

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Client Sample ID: CCV

Lab ID#: 1806223-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a061402**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 6/14/18 10:47 AM**

Compound	%Recovery
Freon 12	102
Freon 114	106
Chloromethane	86
Vinyl Chloride	92
Bromomethane	101
Chloroethane	93
Freon 11	100
Freon 113	100
1,1-Dichloroethene	98
Methylene Chloride	92
Methyl tert-butyl ether	90
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	100
Chloroform	98
1,1,1-Trichloroethane	94
Carbon Tetrachloride	99
Benzene	95
1,2-Dichloroethane	100
Trichloroethene	100
1,2-Dichloropropane	94
cis-1,3-Dichloropropene	98
Toluene	93
trans-1,3-Dichloropropene	94
1,1,2-Trichloroethane	99
Tetrachloroethene	108
1,2-Dibromoethane (EDB)	102
Chlorobenzene	101
Ethyl Benzene	100
m,p-Xylene	103
o-Xylene	101
Styrene	92
1,1,2,2-Tetrachloroethane	94
1,3,5-Trimethylbenzene	98
1,2,4-Trimethylbenzene	99
1,3-Dichlorobenzene	106
1,4-Dichlorobenzene	104
alpha-Chlorotoluene	95
1,2-Dichlorobenzene	105
1,2,4-Trichlorobenzene	110
Hexachlorobutadiene	108

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 1806223-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a061402**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/14/18 10:47 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	91	70-130
4-Bromofluorobenzene	107	70-130

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Client Sample ID: LCS

Lab ID#: 1806223-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a061403**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/14/18 11:31 AM**	

Compound	%Recovery	Method Limits
Freon 12	102	70-130
Freon 114	105	70-130
Chloromethane	90	70-130
Vinyl Chloride	92	70-130
Bromomethane	104	70-130
Chloroethane	97	70-130
Freon 11	101	70-130
Freon 113	99	70-130
1,1-Dichloroethene	97	70-130
Methylene Chloride	91	70-130
Methyl tert-butyl ether	92	70-130
1,1-Dichloroethane	95	70-130
cis-1,2-Dichloroethene	90	70-130
Chloroform	97	70-130
1,1,1-Trichloroethane	97	70-130
Carbon Tetrachloride	102	70-130
Benzene	90	70-130
1,2-Dichloroethane	94	70-130
Trichloroethene	98	70-130
1,2-Dichloropropane	91	70-130
cis-1,3-Dichloropropene	100	70-130
Toluene	90	70-130
trans-1,3-Dichloropropene	91	70-130
1,1,2-Trichloroethane	98	70-130
Tetrachloroethene	104	70-130
1,2-Dibromoethane (EDB)	101	70-130
Chlorobenzene	100	70-130
Ethyl Benzene	101	70-130
m,p-Xylene	104	70-130
o-Xylene	101	70-130
Styrene	96	70-130
1,1,2,2-Tetrachloroethane	94	70-130
1,3,5-Trimethylbenzene	100	70-130
1,2,4-Trimethylbenzene	99	70-130
1,3-Dichlorobenzene	106	70-130
1,4-Dichlorobenzene	104	70-130
alpha-Chlorotoluene	103	70-130
1,2-Dichlorobenzene	104	70-130
1,2,4-Trichlorobenzene	107	70-130
Hexachlorobutadiene	105	70-130

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 1806223-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a061403**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/14/18 11:31 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	106	70-130

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Client Sample ID: LCSD

Lab ID#: 1806223-05AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a061404**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/14/18 11:56 AM**	

Compound	%Recovery	Method Limits
Freon 12	99	70-130
Freon 114	102	70-130
Chloromethane	85	70-130
Vinyl Chloride	91	70-130
Bromomethane	100	70-130
Chloroethane	91	70-130
Freon 11	99	70-130
Freon 113	97	70-130
1,1-Dichloroethene	96	70-130
Methylene Chloride	89	70-130
Methyl tert-butyl ether	92	70-130
1,1-Dichloroethane	94	70-130
cis-1,2-Dichloroethene	90	70-130
Chloroform	95	70-130
1,1,1-Trichloroethane	94	70-130
Carbon Tetrachloride	98	70-130
Benzene	91	70-130
1,2-Dichloroethane	95	70-130
Trichloroethene	98	70-130
1,2-Dichloropropane	90	70-130
cis-1,3-Dichloropropene	99	70-130
Toluene	91	70-130
trans-1,3-Dichloropropene	92	70-130
1,1,2-Trichloroethane	97	70-130
Tetrachloroethene	103	70-130
1,2-Dibromoethane (EDB)	100	70-130
Chlorobenzene	98	70-130
Ethyl Benzene	101	70-130
m,p-Xylene	100	70-130
o-Xylene	100	70-130
Styrene	96	70-130
1,1,2,2-Tetrachloroethane	93	70-130
1,3,5-Trimethylbenzene	101	70-130
1,2,4-Trimethylbenzene	99	70-130
1,3-Dichlorobenzene	105	70-130
1,4-Dichlorobenzene	104	70-130
alpha-Chlorotoluene	104	70-130
1,2-Dichlorobenzene	104	70-130
1,2,4-Trichlorobenzene	112	70-130
Hexachlorobutadiene	109	70-130

Container Type: NA - Not Applicable

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Client Sample ID: LCSD

Lab ID#: 1806223-05AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a061404**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/14/18 11:56 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	90	70-130
4-Bromofluorobenzene	104	70-130

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Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager Andy Stehn - TRC
Collected by: (Print and Sign) John Boelke
Company TRC Email astehn@trcsolutions.com
Address 708 Heartland Tr City Madison State WI Zip 53717
Phone (608) 826-3665 Fax

Project Info:
P.O. # 117373
Project # 297257.0000.0000
Project Name MKC

Turn Around Time:
☑ Normal
☐ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	Combined Effluent	1L2752	6/6/18	1025	TO-15	-29	-8.5		
02A	Combined Influent	1L1802	6/6/18	1049	TO-15	-29	-7.5		

Relinquished by: (signature) Date/Time 6/6/18 1400
Received by: (signature) Date/Time 6/12/18 1445 Andrea Augustin EATL
Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time
Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time

Notes:
Only used (2) canisters

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fed Ex		NA	Good	Yes No (None)	1806223

Form 1293 rev.11

Attachment 5

Semi-annual Groundwater Monitoring Laboratory Analytical Reports

Pace Analytical®
ECCS Mobile Lab Services

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

April 20, 2018

Andrew Stehn
TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison, WI 53717

RE: Madison Kipp Corp. Semi-Annual Sampling

Enclosed are the analytical results for the samples received by the laboratory on 04/06/2018.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica Esser
Project Manager

Certification List			Expires
ADEQ	Arkansas Department of Environmental Quality	17-065-0	09/26/2018
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2019
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2019
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2018
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2018
NCDEQ	North Carolina Dept. of Environmental Quality Accreditation	688	12/31/2018
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2018
ODEQ	Oklahoma Department of Environmental Quality Accreditation	2017-154	08/31/2018
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2018
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2018

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2525 Advance Road
Madison, WI 53718
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608.221.4889 Fax

TRC Environmental Corporation, Inc.	Project: Madison Kipp Corp. Semi-Annual Sampling
708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MP-14 (135-140)	A181419-01	Water	04/02/2018	04/06/2018
MP-16 (140-144)	A181419-02	Water	04/02/2018	04/06/2018
MW-25D2	A181419-03	Water	04/03/2018	04/06/2018
MW-27D	A181419-04	Water	04/03/2018	04/06/2018
MW-5D3	A181419-05	Water	04/03/2018	04/06/2018
MW-5D2	A181419-06	Water	04/03/2018	04/06/2018
MW-5D	A181419-07	Water	04/03/2018	04/06/2018
MW-4D2	A181419-08	Water	04/04/2018	04/06/2018
MW-4D	A181419-09	Water	04/04/2018	04/06/2018
MW-4S	A181419-10	Water	04/04/2018	04/06/2018
MW-17	A181419-11	Water	04/04/2018	04/06/2018
MW-6D	A181419-12	Water	04/04/2018	04/06/2018
MW-6S	A181419-13	Water	04/04/2018	04/06/2018
MW-29S	A181419-14	Water	04/05/2018	04/06/2018
MW-29D	A181419-15	Water	04/05/2018	04/06/2018
MW-11S	A181419-16	Water	04/05/2018	04/06/2018
MW-24	A181419-17	Water	04/05/2018	04/06/2018
MW-9D2	A181419-18	Water	04/05/2018	04/06/2018
MW-2D	A181419-19	Water	04/05/2018	04/06/2018
MW-28	A181419-20	Water	04/06/2018	04/06/2018
MW-3D	A181419-21	Water	04/06/2018	04/06/2018
MW-3D2	A181419-22	Water	04/06/2018	04/06/2018
DUP-01	A181419-23	Water	04/03/2018	04/06/2018
DUP-02	A181419-24	Water	04/04/2018	04/06/2018
DUP-03	A181419-25	Water	04/06/2018	04/06/2018
FB-01	A181419-26	Water	04/06/2018	04/06/2018
Trip Blank	A181419-27	Water	04/02/2018	04/06/2018

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corp. Semi-Annual Sampling
708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

CASE NARRATIVE

Sample Receipt Information:
27 samples were received on 04/06/2018. Samples were received at 5.7 degrees Celsius. Samples were received in acceptable condition, with the exceptions noted below.

1 VOC vial for sample A181419-04 had an air bubble present that was greater than 6mm. Sample analysis was conducted from vials without air bubbles.

Sample A181419-08 had a discrepancy between the collection time on the chain of custody (COC) and the collection time on the sample container. Per the client, the COC collection time is correct.

TDS and TSS analysis was subcontracted to Pace Analytical in Green Bay, WI. Please see their appended report for quality control results.

Please see the chain of custody (COC) document at the end of this report for additional information.

Laboratory Control Samples (LCS):
The LCS recovery indicates a potential high bias for trans-1,2-dichloroethene for all samples analyzed for VOCs. Samples are qualified with an E1 where results were detected for this compound. The LCS recovery was 132% and the acceptable limit is 128%. For the samples where results were less than the reporting limit no further action is required.

Continuing Calibration Verification (CCV):
CCV indicates a potential high bias for multiple analytes for the samples analyzed for VOCs. Any detections are footnoted with an HC. For the samples where results were less than the reporting limit no further action is required. Please see detailed recovery information below.

* 1,1-Dichloroethene - upper control limit is 120% - highest recovery was 139%
* Acetone - upper control limit is 130% - highest recovery was 172%
* Chloromethane - upper control limit is 130% - highest recovery was 149%
* Chloroform - upper control limit is 120% - highest recovery was 121%
* Dichlorodifluoromethane - upper control limit is 130% - highest recovery was 138%
* Methylene chloride - upper control limit is 130% - highest recovery was 145%
* trans-1,2-Dichloroethene - upper control limit is 130% - highest recovery was 138%

CCV also indicates a potential high bias for PCB-1016 and PCB-1260 for samples A181419-17, A181419-20, A181419-24 and A181419-26. Samples were less than the reporting limit for these analytes so no further action is required.

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corp. Semi-Annual Sampling
708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MP-14 (135-140)

A181419-01 (Water)

Date Sampled
04/02/2018 13:15

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.099	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,1,2-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,1-Dichloroethane	ND	0.12	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,1-Dichloroethene	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,1-Dichloropropene	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.045	2.0	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,2,3-Trichloropropane	ND	0.15	1.0	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.077	2.0	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.060	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	0.25	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,2-Dichlorobenzene	ND	0.076	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,2-Dichloroethane	ND	0.078	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,2-Dichloropropane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.075	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,3-Dichlorobenzene	ND	0.096	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,3-Dichloropropane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
1,4-Dichlorobenzene	ND	0.070	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
2,2-Dichloropropane	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
2-Butanone	ND	3.0	20	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
2-Chlorotoluene	ND	0.075	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
2-Hexanone	ND	0.95	20	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
4-Chlorotoluene	ND	0.073	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
4-Methyl-2-pentanone	ND	0.77	20	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Acetone	ND	3.4	20	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Benzene	ND	0.089	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Bromobenzene	ND	0.084	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Bromochloromethane	ND	0.31	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Bromodichloromethane	ND	0.077	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Bromoform	ND	0.088	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Bromomethane	ND	0.59	5.0	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Carbon disulfide	**0.080**	0.053	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	J
Carbon tetrachloride	ND	0.038	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Chlorobenzene	ND	0.073	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Chloroethane	ND	0.25	5.0	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Chloroform	**0.10**	0.062	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	HC, J

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corp. Semi-Annual Sampling
708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MP-14 (135-140)

A181419-01 (Water)

Date Sampled
04/02/2018 13:15

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Chloromethane	ND	0.16	2.0	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
cis-1,2-Dichloroethene	**17**	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.061	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Dibromochloromethane	ND	0.091	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Dibromomethane	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Dichlorodifluoromethane	**0.21**	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	HC, J
Diisopropyl Ether	ND	0.15	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Ethylbenzene	ND	0.054	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Hexachlorobutadiene	ND	0.13	2.0	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Isopropylbenzene	ND	0.081	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
m,p-Xylene	ND	0.057	1.0	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Methyl t-Butyl Ether	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Methylene chloride	ND	0.14	2.0	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Naphthalene	ND	0.088	5.0	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
n-Butyl Benzene	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
n-Hexane	ND	0.21	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
n-Propyl Benzene	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
o-Xylene	ND	0.058	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
p-Isopropyltoluene	ND	0.085	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
sec-Butyl Benzene	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Styrene	ND	0.065	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
tert-Butylbenzene	ND	0.12	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Tetrachloroethene	**370**	4.1	25	ug/L	50	04/09/2018	04/10/2018 12:57	EPA 8260B	D
Tetrahydrofuran	ND	1.2	10	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Toluene	ND	0.053	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
trans-1,2-Dichloroethene	**0.39**	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	E1, HC, J
trans-1,3-Dichloropropene	ND	0.096	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Trichloroethene	**31**	0.062	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Trichlorofluoromethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Vinyl chloride	ND	0.16	0.50	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Xylenes, total	ND	0.12	1.5	ug/L	1	04/09/2018	04/10/2018 15:23	EPA 8260B	
Surrogate: Dibromofluoromethane			*106 %*	*70.8-139*		*04/09/2018*	*04/10/2018 15:23*	*EPA 8260B*	
Surrogate: Toluene-d8			*90.0 %*	*76.6-116*		*04/09/2018*	*04/10/2018 15:23*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene			*85.2 %*	*71.4-118*		*04/09/2018*	*04/10/2018 15:23*	*EPA 8260B*	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MP-16 (140-144)

A181419-02 (Water)

Date Sampled
04/02/2018 14:23

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.099	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,1,2-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,1-Dichloroethane	ND	0.12	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,1-Dichloroethene	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,1-Dichloropropene	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.045	2.0	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,2,3-Trichloropropane	ND	0.15	1.0	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.077	2.0	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.060	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	0.25	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,2-Dichlorobenzene	ND	0.076	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,2-Dichloroethane	ND	0.078	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,2-Dichloropropane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.075	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,3-Dichlorobenzene	ND	0.096	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,3-Dichloropropane	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
1,4-Dichlorobenzene	ND	0.070	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
2,2-Dichloropropane	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
2-Butanone	ND	3.0	20	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
2-Chlorotoluene	ND	0.075	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
2-Hexanone	ND	0.95	20	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
4-Chlorotoluene	ND	0.073	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
4-Methyl-2-pentanone	ND	0.77	20	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Acetone	ND	3.4	20	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Benzene	ND	0.089	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Bromobenzene	ND	0.084	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Bromochloromethane	ND	0.31	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Bromodichloromethane	ND	0.077	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Bromoform	ND	0.088	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Bromomethane	ND	0.59	5.0	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Carbon disulfide	ND	0.053	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Carbon tetrachloride	ND	0.038	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Chlorobenzene	ND	0.073	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Chloroethane	ND	0.25	5.0	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Chloroform	ND	0.062	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MP-16 (140-144)

A181419-02 (Water)

Date Sampled
04/02/2018 14:23

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Chloromethane	ND	0.16	2.0	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
cis-1,2-Dichloroethene	**2.2**	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.061	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Dibromochloromethane	ND	0.091	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Dibromomethane	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Dichlorodifluoromethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Diisopropyl Ether	ND	0.15	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Ethylbenzene	ND	0.054	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Hexachlorobutadiene	ND	0.13	2.0	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Isopropylbenzene	ND	0.081	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
m,p-Xylene	**0.060**	0.057	1.0	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	J
Methyl t-Butyl Ether	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Methylene chloride	**0.24**	0.14	2.0	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	J
Naphthalene	ND	0.088	5.0	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
n-Butyl Benzene	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
n-Hexane	ND	0.21	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
n-Propyl Benzene	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
o-Xylene	ND	0.058	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
p-Isopropyltoluene	ND	0.085	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
sec-Butyl Benzene	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Styrene	ND	0.065	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
tert-Butylbenzene	ND	0.12	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Tetrachloroethene	**38**	0.16	1.0	ug/L	2	04/09/2018	04/10/2018 11:58	EPA 8260B	D
Tetrahydrofuran	ND	1.2	10	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Toluene	**0.060**	0.053	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	J
trans-1,2-Dichloroethene	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.096	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Trichloroethene	**8.2**	0.062	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Trichlorofluoromethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Vinyl chloride	ND	0.16	0.50	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Xylenes, total	ND	0.12	1.5	ug/L	1	04/09/2018	04/09/2018 20:14	EPA 8260B	
Surrogate: Dibromofluoromethane			*103 %*	*70.8-139*		*04/09/2018*	*04/09/2018 20:14*	*EPA 8260B*	
Surrogate: Toluene-d8			*94.7 %*	*76.6-116*		*04/09/2018*	*04/09/2018 20:14*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene			*89.6 %*	*71.4-118*		*04/09/2018*	*04/09/2018 20:14*	*EPA 8260B*	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-25D2

A181419-03 (Water)

Date Sampled
04/03/2018 10:24

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.099	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
1,1,2-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
1,1-Dichloroethane	ND	0.12	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
1,1-Dichloroethene	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
1,1-Dichloropropene	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
1,2,3-Trichlorobenzene	**0.070**	0.045	2.0	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	J
1,2,3-Trichloropropane	ND	0.15	1.0	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.077	2.0	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.060	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	0.25	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
1,2-Dichlorobenzene	ND	0.076	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
1,2-Dichloroethane	ND	0.078	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
1,2-Dichloropropane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.075	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
1,3-Dichlorobenzene	ND	0.096	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
1,3-Dichloropropane	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
1,4-Dichlorobenzene	ND	0.070	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
2,2-Dichloropropane	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
2-Butanone	ND	3.0	20	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
2-Chlorotoluene	ND	0.075	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
2-Hexanone	ND	0.95	20	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
4-Chlorotoluene	ND	0.073	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
4-Methyl-2-pentanone	ND	0.77	20	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Acetone	ND	3.4	20	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Benzene	ND	0.089	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Bromobenzene	ND	0.084	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Bromochloromethane	ND	0.31	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Bromodichloromethane	ND	0.077	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Bromoform	ND	0.088	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Bromomethane	ND	0.59	5.0	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Carbon disulfide	ND	0.053	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Carbon tetrachloride	ND	0.038	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Chlorobenzene	ND	0.073	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Chloroethane	ND	0.25	5.0	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Chloroform	ND	0.062	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-25D2

A181419-03 (Water)

Date Sampled
04/03/2018 10:24

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Chloromethane	ND	0.16	2.0	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.061	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Dibromochloromethane	ND	0.091	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Dibromomethane	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Dichlorodifluoromethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Diisopropyl Ether	ND	0.15	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Ethylbenzene	ND	0.054	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Hexachlorobutadiene	ND	0.13	2.0	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Isopropylbenzene	ND	0.081	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
m,p-Xylene	ND	0.057	1.0	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Methyl t-Butyl Ether	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Methylene chloride	**0.14**	0.14	2.0	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	HC, J
Naphthalene	**0.31**	0.088	5.0	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	B, J
n-Butyl Benzene	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
n-Hexane	ND	0.21	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
n-Propyl Benzene	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
o-Xylene	ND	0.058	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
p-Isopropyltoluene	ND	0.085	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
sec-Butyl Benzene	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Styrene	ND	0.065	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
tert-Butylbenzene	ND	0.12	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Tetrachloroethene	**0.14**	0.081	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	J
Tetrahydrofuran	ND	1.2	10	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Toluene	ND	0.053	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.096	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Trichloroethene	ND	0.062	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Trichlorofluoromethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Vinyl chloride	ND	0.16	0.50	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Xylenes, total	ND	0.12	1.5	ug/L	1	04/09/2018	04/09/2018 23:09	EPA 8260B	
Surrogate: Dibromofluoromethane			*107 %*	*70.8-139*		*04/09/2018*	*04/09/2018 23:09*	*EPA 8260B*	
Surrogate: Toluene-d8			*95.0 %*	*76.6-116*		*04/09/2018*	*04/09/2018 23:09*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene			*90.3 %*	*71.4-118*		*04/09/2018*	*04/09/2018 23:09*	*EPA 8260B*	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corp. Semi-Annual Sampling
708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-27D

A181419-04 (Water)

Date Sampled
04/03/2018 13:09

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.099	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,1,2-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,1-Dichloroethane	ND	0.12	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,1-Dichloroethene	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,1-Dichloropropene	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.045	2.0	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,2,3-Trichloropropane	ND	0.15	1.0	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.077	2.0	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.060	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	0.25	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,2-Dichlorobenzene	ND	0.076	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,2-Dichloroethane	ND	0.078	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,2-Dichloropropane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.075	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,3-Dichlorobenzene	ND	0.096	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,3-Dichloropropane	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
1,4-Dichlorobenzene	ND	0.070	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
2,2-Dichloropropane	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
2-Butanone	ND	3.0	20	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
2-Chlorotoluene	ND	0.075	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
2-Hexanone	ND	0.95	20	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
4-Chlorotoluene	ND	0.073	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
4-Methyl-2-pentanone	ND	0.77	20	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Acetone	ND	3.4	20	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Benzene	ND	0.089	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Bromobenzene	ND	0.084	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Bromochloromethane	ND	0.31	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Bromodichloromethane	ND	0.077	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Bromoform	ND	0.088	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Bromomethane	ND	0.59	5.0	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Carbon disulfide	ND	0.053	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Carbon tetrachloride	ND	0.038	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Chlorobenzene	ND	0.073	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Chloroethane	ND	0.25	5.0	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Chloroform	ND	0.062	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-27D

A181419-04 (Water)

Date Sampled
04/03/2018 13:09

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Chloromethane	ND	0.16	2.0	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
cis-1,2-Dichloroethene	**0.56**	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.061	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Dibromochloromethane	ND	0.091	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Dibromomethane	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Dichlorodifluoromethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Diisopropyl Ether	ND	0.15	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Ethylbenzene	ND	0.054	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Hexachlorobutadiene	ND	0.13	2.0	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Isopropylbenzene	ND	0.081	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
m,p-Xylene	**0.080**	0.057	1.0	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	J
Methyl t-Butyl Ether	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Methylene chloride	**0.16**	0.14	2.0	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	J
Naphthalene	ND	0.088	5.0	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
n-Butyl Benzene	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
n-Hexane	ND	0.21	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
n-Propyl Benzene	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
o-Xylene	ND	0.058	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
p-Isopropyltoluene	ND	0.085	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
sec-Butyl Benzene	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Styrene	ND	0.065	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
tert-Butylbenzene	ND	0.12	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Tetrachloroethene	**1.2**	0.081	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Tetrahydrofuran	ND	1.2	10	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Toluene	**0.090**	0.053	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	J
trans-1,2-Dichloroethene	**0.19**	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	E1, M, J
trans-1,3-Dichloropropene	ND	0.096	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Trichloroethene	**1.2**	0.062	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Trichlorofluoromethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Vinyl chloride	ND	0.16	0.50	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Xylenes, total	ND	0.12	1.5	ug/L	1	04/09/2018	04/09/2018 13:32	EPA 8260B	
Surrogate: Dibromofluoromethane			*96.7 %*	*70.8-139*		*04/09/2018*	*04/09/2018 13:32*	*EPA 8260B*	
Surrogate: Toluene-d8			*94.0 %*	*76.6-116*		*04/09/2018*	*04/09/2018 13:32*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene			*90.3 %*	*71.4-118*		*04/09/2018*	*04/09/2018 13:32*	*EPA 8260B*	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-5D3

A181419-05 (Water)

Date Sampled
04/03/2018 15:11

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.099	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,1,2-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,1-Dichloroethane	ND	0.12	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,1-Dichloroethene	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,1-Dichloropropene	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.045	2.0	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,2,3-Trichloropropane	ND	0.15	1.0	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.077	2.0	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.060	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	0.25	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,2-Dichlorobenzene	ND	0.076	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,2-Dichloroethane	ND	0.078	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,2-Dichloropropane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.075	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,3-Dichlorobenzene	ND	0.096	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,3-Dichloropropane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
1,4-Dichlorobenzene	ND	0.070	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
2,2-Dichloropropane	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
2-Butanone	ND	3.0	20	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
2-Chlorotoluene	ND	0.075	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
2-Hexanone	ND	0.95	20	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
4-Chlorotoluene	ND	0.073	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
4-Methyl-2-pentanone	ND	0.77	20	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Acetone	ND	3.4	20	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Benzene	ND	0.089	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Bromobenzene	ND	0.084	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Bromochloromethane	ND	0.31	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Bromodichloromethane	ND	0.077	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Bromoform	ND	0.088	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Bromomethane	ND	0.59	5.0	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Carbon disulfide	**0.080**	0.053	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	J
Carbon tetrachloride	ND	0.038	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Chlorobenzene	ND	0.073	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Chloroethane	ND	0.25	5.0	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Chloroform	ND	0.062	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-5D3

A181419-05 (Water)

Date Sampled
04/03/2018 15:11

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Chloromethane	ND	0.16	2.0	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.061	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Dibromochloromethane	ND	0.091	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Dibromomethane	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Dichlorodifluoromethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Diisopropyl Ether	ND	0.15	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Ethylbenzene	ND	0.054	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Hexachlorobutadiene	ND	0.13	2.0	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Isopropylbenzene	ND	0.081	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
m,p-Xylene	ND	0.057	1.0	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Methyl t-Butyl Ether	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Methylene chloride	ND	0.14	2.0	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Naphthalene	ND	0.088	5.0	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
n-Butyl Benzene	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
n-Hexane	ND	0.21	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
n-Propyl Benzene	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
o-Xylene	ND	0.058	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
p-Isopropyltoluene	ND	0.085	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
sec-Butyl Benzene	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Styrene	ND	0.065	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
tert-Butylbenzene	ND	0.12	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Tetrachloroethene	ND	0.081	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Tetrahydrofuran	ND	1.2	10	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Toluene	**0.12**	0.053	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	J
trans-1,2-Dichloroethene	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.096	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Trichloroethene	ND	0.062	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Trichlorofluoromethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Vinyl chloride	ND	0.16	0.50	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Xylenes, total	ND	0.12	1.5	ug/L	1	04/09/2018	04/10/2018 00:37	EPA 8260B	
Surrogate: Dibromofluoromethane			*107 %*	*70.8-139*		*04/09/2018*	*04/10/2018 00:37*	*EPA 8260B*	
Surrogate: Toluene-d8			*96.4 %*	*76.6-116*		*04/09/2018*	*04/10/2018 00:37*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene			*91.6 %*	*71.4-118*		*04/09/2018*	*04/10/2018 00:37*	*EPA 8260B*	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-5D2

A181419-06 (Water)

Date Sampled
04/03/2018 16:22

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.55	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,1,1-Trichloroethane	ND	0.50	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.65	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,1-Dichloroethane	ND	0.60	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,1-Dichloroethene	ND	0.70	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,1-Dichloropropene	ND	0.55	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.23	10	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,2,3-Trichloropropane	ND	0.75	5.0	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.39	10	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.30	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	1.3	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.65	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,2-Dichlorobenzene	ND	0.38	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,2-Dichloroethane	ND	0.39	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,2-Dichloropropane	ND	0.50	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.38	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,3-Dichlorobenzene	ND	0.48	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,3-Dichloropropane	ND	0.55	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
1,4-Dichlorobenzene	ND	0.35	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
2,2-Dichloropropane	ND	0.70	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
2-Butanone	ND	15	100	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
2-Chlorotoluene	ND	0.38	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
2-Hexanone	ND	4.8	100	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
4-Chlorotoluene	ND	0.37	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
4-Methyl-2-pentanone	ND	3.9	100	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Acetone	ND	17	100	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Benzene	ND	0.45	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Bromobenzene	ND	0.42	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Bromochloromethane	ND	1.6	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Bromodichloromethane	ND	0.39	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Bromoform	ND	0.44	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Bromomethane	ND	3.0	25	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Carbon disulfide	ND	0.27	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Carbon tetrachloride	ND	0.19	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Chlorobenzene	ND	0.37	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Chloroethane	ND	1.3	25	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Chloroform	ND	0.31	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-5D2

A181419-06 (Water)

Date Sampled
04/03/2018 16:22

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Chloromethane	ND	0.80	10	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.55	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.31	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Dibromochloromethane	ND	0.46	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Dibromomethane	ND	0.70	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Dichlorodifluoromethane	ND	0.55	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Diisopropyl Ether	ND	0.75	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Ethylbenzene	ND	0.27	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Hexachlorobutadiene	ND	0.65	10	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Isopropylbenzene	ND	0.41	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
m,p-Xylene	ND	0.29	5.0	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Methyl t-Butyl Ether	ND	0.70	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Methylene chloride	**0.90**	0.70	10	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	HC, J, D
Naphthalene	ND	0.44	25	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
n-Butyl Benzene	ND	0.70	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
n-Hexane	ND	1.1	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
n-Propyl Benzene	ND	0.50	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
o-Xylene	ND	0.29	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
p-Isopropyltoluene	ND	0.43	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
sec-Butyl Benzene	ND	0.65	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Styrene	ND	0.33	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
tert-Butylbenzene	ND	0.60	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Tetrachloroethene	**210**	0.41	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	D
Tetrahydrofuran	ND	6.0	50	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Toluene	ND	0.27	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.55	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.48	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Trichloroethene	**2.3**	0.31	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	J, D
Trichlorofluoromethane	ND	0.65	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Vinyl chloride	ND	0.80	2.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Xylenes, total	ND	0.58	7.5	ug/L	5	04/09/2018	04/10/2018 02:04	EPA 8260B	
Surrogate: Dibromofluoromethane			*109 %*	*70.8-139*		*04/09/2018*	*04/10/2018 02:04*	*EPA 8260B*	
Surrogate: Toluene-d8			*93.6 %*	*76.6-116*		*04/09/2018*	*04/10/2018 02:04*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene			*88.0 %*	*71.4-118*		*04/09/2018*	*04/10/2018 02:04*	*EPA 8260B*	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-5D

A181419-07 (Water)

Date Sampled
04/03/2018 17:37

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.099	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,1,2-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,1-Dichloroethane	ND	0.12	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,1-Dichloroethene	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,1-Dichloropropene	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.045	2.0	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,2,3-Trichloropropane	ND	0.15	1.0	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.077	2.0	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.060	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	0.25	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,2-Dichlorobenzene	ND	0.076	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,2-Dichloroethane	ND	0.078	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,2-Dichloropropane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.075	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,3-Dichlorobenzene	ND	0.096	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,3-Dichloropropane	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
1,4-Dichlorobenzene	ND	0.070	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
2,2-Dichloropropane	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
2-Butanone	ND	3.0	20	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
2-Chlorotoluene	ND	0.075	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
2-Hexanone	ND	0.95	20	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
4-Chlorotoluene	ND	0.073	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
4-Methyl-2-pentanone	ND	0.77	20	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Acetone	ND	3.4	20	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Benzene	ND	0.089	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Bromobenzene	ND	0.084	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Bromochloromethane	ND	0.31	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Bromodichloromethane	ND	0.077	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Bromoform	ND	0.088	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Bromomethane	ND	0.59	5.0	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Carbon disulfide	**0.10**	0.053	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	J
Carbon tetrachloride	ND	0.038	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Chlorobenzene	ND	0.073	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Chloroethane	ND	0.25	5.0	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Chloroform	ND	0.062	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	

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Madison WI, 53717	Project Manager: Andrew Stehn

MW-5D

A181419-07 (Water)

Date Sampled
04/03/2018 17:37

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Chloromethane	ND	0.16	2.0	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
cis-1,2-Dichloroethene	**5.8**	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.061	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Dibromochloromethane	ND	0.091	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Dibromomethane	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Dichlorodifluoromethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Diisopropyl Ether	ND	0.15	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Ethylbenzene	ND	0.054	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Hexachlorobutadiene	ND	0.13	2.0	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Isopropylbenzene	ND	0.081	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
m,p-Xylene	**0.060**	0.057	1.0	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	J
Methyl t-Butyl Ether	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Methylene chloride	**0.17**	0.14	2.0	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	J
Naphthalene	ND	0.088	5.0	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
n-Butyl Benzene	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
n-Hexane	ND	0.21	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
n-Propyl Benzene	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
o-Xylene	ND	0.058	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
p-Isopropyltoluene	ND	0.085	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
sec-Butyl Benzene	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Styrene	ND	0.065	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
tert-Butylbenzene	ND	0.12	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Tetrachloroethene	**57**	0.16	1.0	ug/L	2	04/09/2018	04/10/2018 12:28	EPA 8260B	D
Tetrahydrofuran	ND	1.2	10	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Toluene	**0.060**	0.053	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	J
trans-1,2-Dichloroethene	**0.28**	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	E1, J
trans-1,3-Dichloropropene	ND	0.096	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Trichloroethene	**3.2**	0.062	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Trichlorofluoromethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Vinyl chloride	ND	0.16	0.50	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Xylenes, total	ND	0.12	1.5	ug/L	1	04/09/2018	04/09/2018 18:46	EPA 8260B	
Surrogate: Dibromofluoromethane			*103 %*	*70.8-139*		*04/09/2018*	*04/09/2018 18:46*	*EPA 8260B*	
Surrogate: Toluene-d8			*94.4 %*	*76.6-116*		*04/09/2018*	*04/09/2018 18:46*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene			*90.3 %*	*71.4-118*		*04/09/2018*	*04/09/2018 18:46*	*EPA 8260B*	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corp. Semi-Annual Sampling
708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-4D2

A181419-08 (Water)

Date Sampled
04/04/2018 09:32

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
1,1,1-Trichloroethane	**0.38**	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	J
1,1,2,2-Tetrachloroethane	ND	0.099	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
1,1,2-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
1,1-Dichloroethane	ND	0.12	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
1,1-Dichloroethene	**0.17**	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	HC, J
1,1-Dichloropropene	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.045	2.0	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
1,2,3-Trichloropropane	ND	0.15	1.0	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.077	2.0	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.060	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	0.25	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
1,2-Dichlorobenzene	ND	0.076	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
1,2-Dichloroethane	ND	0.078	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
1,2-Dichloropropane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.075	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
1,3-Dichlorobenzene	ND	0.096	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
1,3-Dichloropropane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
1,4-Dichlorobenzene	ND	0.070	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
2,2-Dichloropropane	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
2-Butanone	ND	3.0	20	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
2-Chlorotoluene	ND	0.075	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
2-Hexanone	ND	0.95	20	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
4-Chlorotoluene	ND	0.073	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
4-Methyl-2-pentanone	ND	0.77	20	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Acetone	ND	3.4	20	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Benzene	ND	0.089	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Bromobenzene	ND	0.084	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Bromochloromethane	ND	0.31	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Bromodichloromethane	ND	0.077	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Bromoform	ND	0.088	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Bromomethane	ND	0.59	5.0	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Carbon disulfide	ND	0.053	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Carbon tetrachloride	ND	0.038	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Chlorobenzene	ND	0.073	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Chloroethane	ND	0.25	5.0	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Chloroform	ND	0.062	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Chloromethane	ND	0.16	2.0	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-4D2

A181419-08 (Water)

Date Sampled
04/04/2018 09:32

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
cis-1,2-Dichloroethene	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.061	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Dibromochloromethane	ND	0.091	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Dibromomethane	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Dichlorodifluoromethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Diisopropyl Ether	ND	0.15	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Ethylbenzene	ND	0.054	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Hexachlorobutadiene	ND	0.13	2.0	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Isopropylbenzene	ND	0.081	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
m,p-Xylene	ND	0.057	1.0	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Methyl t-Butyl Ether	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Methylene chloride	ND	0.14	2.0	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Naphthalene	ND	0.088	5.0	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
n-Butyl Benzene	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
n-Hexane	ND	0.21	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
n-Propyl Benzene	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
o-Xylene	ND	0.058	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
p-Isopropyltoluene	ND	0.085	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
sec-Butyl Benzene	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Styrene	ND	0.065	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
tert-Butylbenzene	ND	0.12	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Tetrachloroethene	**0.31**	0.081	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	J
Tetrahydrofuran	ND	1.2	10	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Toluene	**0.10**	0.053	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	J
trans-1,2-Dichloroethene	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.096	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Trichloroethene	ND	0.062	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Trichlorofluoromethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Vinyl chloride	ND	0.16	0.50	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Xylenes, total	ND	0.12	1.5	ug/L	1	04/09/2018	04/10/2018 14:54	EPA 8260B	
Surrogate: Dibromofluoromethane			*106 %*	*70.8-139*		*04/09/2018*	*04/10/2018 14:54*	*EPA 8260B*	
Surrogate: Toluene-d8			*91.6 %*	*76.6-116*		*04/09/2018*	*04/10/2018 14:54*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene			*86.0 %*	*71.4-118*		*04/09/2018*	*04/10/2018 14:54*	*EPA 8260B*	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-4D

A181419-09 (Water)

Date Sampled
04/04/2018 11:29

Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch:A804129**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.035	0.13	ug/L	1	04/10/2018	04/17/2018 13:25	EPA 8082A	
PCB-1221	ND	0.020	0.25	ug/L	1	04/10/2018	04/17/2018 13:25	EPA 8082A	
PCB-1232	ND	0.037	0.13	ug/L	1	04/10/2018	04/17/2018 13:25	EPA 8082A	
PCB-1242	ND	0.038	0.13	ug/L	1	04/10/2018	04/17/2018 13:25	EPA 8082A	
PCB-1248	ND	0.020	0.13	ug/L	1	04/10/2018	04/17/2018 13:25	EPA 8082A	
PCB-1254	ND	0.0090	0.13	ug/L	1	04/10/2018	04/17/2018 13:25	EPA 8082A	
PCB-1260	ND	0.025	0.13	ug/L	1	04/10/2018	04/17/2018 13:25	EPA 8082A	
Total PCBs	ND	0.038	0.25	ug/L	1	04/10/2018	04/17/2018 13:25	EPA 8082A	
Surrogate: Decachlorobiphenyl			*116 %*	*72.5-127*		*04/10/2018*	*04/17/2018 13:25*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*118 %*	*59.9-118*		*04/10/2018*	*04/17/2018 13:25*	*EPA 8082A*	

Pace Analytical-Green Bay, WI

SM 2540C — **Preparation Batch:WET 31404**

Total Dissolved Solids	**714**	8.7	20.0	mg/L	1	04/10/2018	04/10/2018 16:41	SM 2540C	

SM 2540D — **Preparation Batch:WET 31390**

Total Suspended Solids	**1.2**	0.95	2.0	mg/L	1	04/10/2018	04/10/2018 10:08	SM 2540D	Ja

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-4S

A181419-10 (Water)

Date Sampled
04/04/2018 13:04

Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch:A804129**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.035	0.13	ug/L	1	04/10/2018	04/17/2018 13:50	EPA 8082A	
PCB-1221	ND	0.020	0.25	ug/L	1	04/10/2018	04/17/2018 13:50	EPA 8082A	
PCB-1232	ND	0.037	0.13	ug/L	1	04/10/2018	04/17/2018 13:50	EPA 8082A	
PCB-1242	ND	0.038	0.13	ug/L	1	04/10/2018	04/17/2018 13:50	EPA 8082A	
PCB-1248	ND	0.020	0.13	ug/L	1	04/10/2018	04/17/2018 13:50	EPA 8082A	
PCB-1254	ND	0.0090	0.13	ug/L	1	04/10/2018	04/17/2018 13:50	EPA 8082A	
PCB-1260	ND	0.025	0.13	ug/L	1	04/10/2018	04/17/2018 13:50	EPA 8082A	
Total PCBs	ND	0.038	0.25	ug/L	1	04/10/2018	04/17/2018 13:50	EPA 8082A	
Surrogate: Decachlorobiphenyl			*107 %*	*72.5-127*		*04/10/2018*	*04/17/2018 13:50*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*110 %*	*59.9-118*		*04/10/2018*	*04/17/2018 13:50*	*EPA 8082A*	

Pace Analytical-Green Bay, WI

SM 2540C — **Preparation Batch:WET 31404**

Total Dissolved Solids	**2960**	8.7	20.0	mg/L	1	04/10/2018	04/10/2018 16:41	SM 2540C	

SM 2540D — **Preparation Batch:WET 31390**

Total Suspended Solids	ND	0.95	2.0	mg/L	1	04/10/2018	04/10/2018 10:08	SM 2540D	

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Madison WI, 53717

Project: Madison Kipp Corp. Semi-Annual Sampling
Project Number: 292257
Project Manager: Andrew Stehn

MW-17

A181419-11 (Water)

Date Sampled
04/04/2018 15:09

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	2.8	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,1,1-Trichloroethane	ND	2.5	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	2.5	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,1,2-Trichloroethane	ND	2.5	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	3.3	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,1-Dichloroethane	ND	3.0	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,1-Dichloroethene	ND	3.5	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,1-Dichloropropene	ND	2.8	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,2,3-Trichlorobenzene	ND	1.1	50	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,2,3-Trichloropropane	ND	3.8	25	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,2,4-Trichlorobenzene	ND	1.9	50	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,2,4-Trimethylbenzene	ND	1.5	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	6.3	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	3.3	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,2-Dichlorobenzene	ND	1.9	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,2-Dichloroethane	ND	2.0	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,2-Dichloropropane	ND	2.5	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,3,5-Trimethylbenzene	ND	1.9	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,3-Dichlorobenzene	ND	2.4	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,3-Dichloropropane	ND	2.8	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
1,4-Dichlorobenzene	ND	1.8	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
2,2-Dichloropropane	ND	3.5	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
2-Butanone	ND	75	500	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
2-Chlorotoluene	ND	1.9	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
2-Hexanone	ND	24	500	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
4-Chlorotoluene	ND	1.8	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
4-Methyl-2-pentanone	ND	19	500	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Acetone	ND	85	500	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Benzene	ND	2.2	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Bromobenzene	ND	2.1	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Bromochloromethane	ND	7.8	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Bromodichloromethane	ND	1.9	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Bromoform	ND	2.2	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Bromomethane	ND	15	130	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Carbon disulfide	ND	1.3	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Carbon tetrachloride	ND	0.95	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Chlorobenzene	ND	1.8	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Chloroethane	ND	6.3	130	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Chloroform	**3.0**	1.6	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	J, D

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-17

A181419-11 (Water)

Date Sampled
04/04/2018 15:09

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Chloromethane	ND	4.0	50	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
cis-1,2-Dichloroethene	**5.8**	2.8	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	J, D
cis-1,3-Dichloropropene	ND	1.5	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Dibromochloromethane	ND	2.3	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Dibromomethane	ND	3.5	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Dichlorodifluoromethane	ND	2.8	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Diisopropyl Ether	ND	3.8	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Ethylbenzene	ND	1.4	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Hexachlorobutadiene	ND	3.3	50	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Isopropylbenzene	ND	2.0	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
m,p-Xylene	ND	1.4	25	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Methyl t-Butyl Ether	ND	3.5	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Methylene chloride	ND	3.5	50	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Naphthalene	ND	2.2	130	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
n-Butyl Benzene	ND	3.5	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
n-Hexane	ND	5.3	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
n-Propyl Benzene	ND	2.5	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
o-Xylene	ND	1.5	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
p-Isopropyltoluene	ND	2.1	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
sec-Butyl Benzene	ND	3.3	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Styrene	ND	1.6	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
tert-Butylbenzene	ND	3.0	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Tetrachloroethene	**870**	2.0	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	D
Tetrahydrofuran	ND	30	250	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Toluene	**1.3**	1.3	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	J, D
trans-1,2-Dichloroethene	ND	2.8	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.4	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Trichloroethene	**64**	1.6	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	D
Trichlorofluoromethane	ND	3.3	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Vinyl chloride	ND	4.0	13	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Xylenes, total	ND	2.9	38	ug/L	25	04/09/2018	04/09/2018 12:17	EPA 8260B	
Surrogate: Dibromofluoromethane			*96.3 %*	*70.8-139*		*04/09/2018*	*04/09/2018 12:17*	*EPA 8260B*	
Surrogate: Toluene-d8			*93.7 %*	*76.6-116*		*04/09/2018*	*04/09/2018 12:17*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene			*92.1 %*	*71.4-118*		*04/09/2018*	*04/09/2018 12:17*	*EPA 8260B*	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-6D

A181419-12 (Water)

Date Sampled
04/04/2018 16:20

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.099	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
1,1,2-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
1,1-Dichloroethane	ND	0.12	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
1,1-Dichloroethene	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
1,1-Dichloropropene	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.045	2.0	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
1,2,3-Trichloropropane	ND	0.15	1.0	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.077	2.0	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
1,2,4-Trimethylbenzene	**140**	3.0	25	ug/L	50	04/09/2018	04/10/2018 13:26	EPA 8260B	D
1,2-Dibromo-3-chloropropane	ND	0.25	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
1,2-Dichlorobenzene	ND	0.076	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
1,2-Dichloroethane	ND	0.078	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
1,2-Dichloropropane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
1,3,5-Trimethylbenzene	**2.1**	0.075	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
1,3-Dichlorobenzene	ND	0.096	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
1,3-Dichloropropane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
1,4-Dichlorobenzene	ND	0.070	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
2,2-Dichloropropane	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
2-Butanone	ND	3.0	20	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
2-Chlorotoluene	ND	0.075	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
2-Hexanone	ND	0.95	20	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
4-Chlorotoluene	ND	0.073	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
4-Methyl-2-pentanone	ND	0.77	20	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Acetone	**20**	3.4	20	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	HC
Benzene	**2200**	4.5	25	ug/L	50	04/09/2018	04/10/2018 13:26	EPA 8260B	D
Bromobenzene	ND	0.084	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Bromochloromethane	ND	0.31	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Bromodichloromethane	ND	0.077	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Bromoform	ND	0.088	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Bromomethane	ND	0.59	5.0	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Carbon disulfide	ND	0.053	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Carbon tetrachloride	ND	0.038	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Chlorobenzene	ND	0.073	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Chloroethane	ND	0.25	5.0	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Chloroform	ND	0.062	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Chloromethane	ND	0.16	2.0	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-6D

A181419-12 (Water)

Date Sampled
04/04/2018 16:20

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
cis-1,2-Dichloroethene	**8.3**	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.061	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Dibromochloromethane	ND	0.091	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Dibromomethane	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Dichlorodifluoromethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Diisopropyl Ether	ND	0.15	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Ethylbenzene	**47**	0.054	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Hexachlorobutadiene	ND	0.13	2.0	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Isopropylbenzene	**30**	0.081	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
m,p-Xylene	**55**	0.057	1.0	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Methyl t-Butyl Ether	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Methylene chloride	ND	0.14	2.0	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Naphthalene	**65**	0.18	10	ug/L	2	04/09/2018	04/09/2018 20:43	EPA 8260B	B, D
n-Butyl Benzene	**4.2**	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
n-Hexane	ND	0.21	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
n-Propyl Benzene	**30**	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
o-Xylene	**6.8**	0.058	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
p-Isopropyltoluene	**3.7**	0.085	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
sec-Butyl Benzene	**3.8**	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Styrene	ND	0.065	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
tert-Butylbenzene	**0.35**	0.12	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	J
Tetrachloroethene	**0.53**	0.081	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Tetrahydrofuran	ND	1.2	10	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Toluene	**140**	2.7	25	ug/L	50	04/09/2018	04/10/2018 13:26	EPA 8260B	D
trans-1,2-Dichloroethene	**3.3**	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	E1, HC
trans-1,3-Dichloropropene	ND	0.096	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Trichloroethene	**15**	0.062	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Trichlorofluoromethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Vinyl chloride	ND	0.16	0.50	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Xylenes, total	**62**	0.12	1.5	ug/L	1	04/09/2018	04/10/2018 04:01	EPA 8260B	
Surrogate: Dibromofluoromethane			*103 %*	*70.8-139*		*04/09/2018*	*04/10/2018 04:01*	*EPA 8260B*	
Surrogate: Toluene-d8			*99.6 %*	*76.6-116*		*04/09/2018*	*04/10/2018 04:01*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene			*103 %*	*71.4-118*		*04/09/2018*	*04/10/2018 04:01*	*EPA 8260B*	

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Madison WI, 53717	Project Manager: Andrew Stehn

MW-6S

A181419-13 (Water)

Date Sampled
04/04/2018 18:24

Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch:A804129**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.035	0.13	ug/L	1	04/10/2018	04/17/2018 14:15	EPA 8082A	
PCB-1221	ND	0.020	0.25	ug/L	1	04/10/2018	04/17/2018 14:15	EPA 8082A	
PCB-1232	ND	0.037	0.13	ug/L	1	04/10/2018	04/17/2018 14:15	EPA 8082A	
PCB-1242	ND	0.038	0.13	ug/L	1	04/10/2018	04/17/2018 14:15	EPA 8082A	
PCB-1248	ND	0.020	0.13	ug/L	1	04/10/2018	04/17/2018 14:15	EPA 8082A	
PCB-1254	ND	0.0090	0.13	ug/L	1	04/10/2018	04/17/2018 14:15	EPA 8082A	
PCB-1260	ND	0.025	0.13	ug/L	1	04/10/2018	04/17/2018 14:15	EPA 8082A	
Total PCBs	ND	0.038	0.25	ug/L	1	04/10/2018	04/17/2018 14:15	EPA 8082A	
Surrogate: Decachlorobiphenyl			*111 %*	*72.5-127*		*04/10/2018*	*04/17/2018 14:15*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*118 %*	*59.9-118*		*04/10/2018*	*04/17/2018 14:15*	*EPA 8082A*	

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SM 2540C — **Preparation Batch:WET 31404**

Total Dissolved Solids	**3400**	8.7	20.0	mg/L	1	04/10/2018	04/10/2018 16:41	SM 2540C	

SM 2540D — **Preparation Batch:WET 31390**

Total Suspended Solids	**7.4**	0.95	2.0	mg/L	1	04/10/2018	04/10/2018 10:08	SM 2540D	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-29S

A181419-14 (Water)

Date Sampled
04/05/2018 09:11

Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch:A804129**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.035	0.13	ug/L	1	04/10/2018	04/17/2018 14:40	EPA 8082A	
PCB-1221	ND	0.020	0.25	ug/L	1	04/10/2018	04/17/2018 14:40	EPA 8082A	
PCB-1232	ND	0.037	0.13	ug/L	1	04/10/2018	04/17/2018 14:40	EPA 8082A	
PCB-1242	ND	0.038	0.13	ug/L	1	04/10/2018	04/17/2018 14:40	EPA 8082A	
PCB-1248	ND	0.020	0.13	ug/L	1	04/10/2018	04/17/2018 14:40	EPA 8082A	
PCB-1254	ND	0.0090	0.13	ug/L	1	04/10/2018	04/17/2018 14:40	EPA 8082A	
PCB-1260	ND	0.025	0.13	ug/L	1	04/10/2018	04/17/2018 14:40	EPA 8082A	
Total PCBs	ND	0.038	0.25	ug/L	1	04/10/2018	04/17/2018 14:40	EPA 8082A	
Surrogate: Decachlorobiphenyl			*106 %*	*72.5-127*		*04/10/2018*	*04/17/2018 14:40*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*107 %*	*59.9-118*		*04/10/2018*	*04/17/2018 14:40*	*EPA 8082A*	

Pace Analytical-Green Bay, WI

SM 2540C — **Preparation Batch:WET 31442**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Total Dissolved Solids	**618**	8.7	20.0	mg/L	1	04/12/2018	04/12/2018 15:54	SM 2540C	

SM 2540D — **Preparation Batch:WET 31390**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Total Suspended Solids	ND	0.95	2.0	mg/L	1	04/10/2018	04/10/2018 10:08	SM 2540D	

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Madison WI, 53717	Project Manager: Andrew Stehn

MW-29D

A181419-15 (Water)

Date Sampled
04/05/2018 10:43

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Pace Analytical - Madison									
Polychlorinated Biphenyls by EPA Method 8082							**Preparation Batch:A804129**		
PCB-1016	ND	0.035	0.13	ug/L	1	04/10/2018	04/17/2018 15:05	EPA 8082A	
PCB-1221	ND	0.020	0.25	ug/L	1	04/10/2018	04/17/2018 15:05	EPA 8082A	
PCB-1232	ND	0.037	0.13	ug/L	1	04/10/2018	04/17/2018 15:05	EPA 8082A	
PCB-1242	ND	0.038	0.13	ug/L	1	04/10/2018	04/17/2018 15:05	EPA 8082A	
PCB-1248	ND	0.020	0.13	ug/L	1	04/10/2018	04/17/2018 15:05	EPA 8082A	
PCB-1254	ND	0.0090	0.13	ug/L	1	04/10/2018	04/17/2018 15:05	EPA 8082A	
PCB-1260	ND	0.025	0.13	ug/L	1	04/10/2018	04/17/2018 15:05	EPA 8082A	
Total PCBs	ND	0.038	0.25	ug/L	1	04/10/2018	04/17/2018 15:05	EPA 8082A	
Surrogate: Decachlorobiphenyl			*112 %*	*72.5-127*		*04/10/2018*	*04/17/2018 15:05*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*116 %*	*59.9-118*		*04/10/2018*	*04/17/2018 15:05*	*EPA 8082A*	
Pace Analytical-Green Bay, WI									
SM 2540C							**Preparation Batch:WET 31442**		
Total Dissolved Solids	**976**	8.7	20.0	mg/L	1	04/12/2018	04/12/2018 15:54	SM 2540C	
SM 2540D							**Preparation Batch:WET 31390**		
Total Suspended Solids	**2.0**	0.95	2.0	mg/L	1	04/10/2018	04/10/2018 10:08	SM 2540D	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-11S

A181419-16 (Water)

Date Sampled
04/05/2018 13:25

Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch:A804129**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.035	0.13	ug/L	1	04/10/2018	04/17/2018 15:29	EPA 8082A	
PCB-1221	ND	0.020	0.25	ug/L	1	04/10/2018	04/17/2018 15:29	EPA 8082A	
PCB-1232	ND	0.037	0.13	ug/L	1	04/10/2018	04/17/2018 15:29	EPA 8082A	
PCB-1242	ND	0.038	0.13	ug/L	1	04/10/2018	04/17/2018 15:29	EPA 8082A	
PCB-1248	ND	0.020	0.13	ug/L	1	04/10/2018	04/17/2018 15:29	EPA 8082A	
PCB-1254	ND	0.0090	0.13	ug/L	1	04/10/2018	04/17/2018 15:29	EPA 8082A	
PCB-1260	ND	0.025	0.13	ug/L	1	04/10/2018	04/17/2018 15:29	EPA 8082A	
Total PCBs	ND	0.038	0.25	ug/L	1	04/10/2018	04/17/2018 15:29	EPA 8082A	
Surrogate: Decachlorobiphenyl			*114 %*	*72.5-127*		*04/10/2018*	*04/17/2018 15:29*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*116 %*	*59.9-118*		*04/10/2018*	*04/17/2018 15:29*	*EPA 8082A*	

Pace Analytical-Green Bay, WI

SM 2540C — **Preparation Batch:WET 31442**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Total Dissolved Solids	**1650**	8.7	20.0	mg/L	1	04/12/2018	04/12/2018 15:54	SM 2540C	

SM 2540D — **Preparation Batch:WET 31390**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Total Suspended Solids	ND	0.95	2.0	mg/L	1	04/10/2018	04/10/2018 10:08	SM 2540D	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-24

A181419-17 (Water)

Date Sampled
04/05/2018 13:49

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Pace Analytical - Madison									
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch:A804129**			
PCB-1016	ND	0.035	0.13	ug/L	1	04/10/2018	04/17/2018 20:26	EPA 8082A	
PCB-1221	ND	0.020	0.25	ug/L	1	04/10/2018	04/17/2018 20:26	EPA 8082A	
PCB-1232	ND	0.037	0.13	ug/L	1	04/10/2018	04/17/2018 20:26	EPA 8082A	
PCB-1242	ND	0.038	0.13	ug/L	1	04/10/2018	04/17/2018 20:26	EPA 8082A	
PCB-1248	ND	0.020	0.13	ug/L	1	04/10/2018	04/17/2018 20:26	EPA 8082A	
PCB-1254	ND	0.0090	0.13	ug/L	1	04/10/2018	04/17/2018 20:26	EPA 8082A	
PCB-1260	ND	0.025	0.13	ug/L	1	04/10/2018	04/17/2018 20:26	EPA 8082A	
Total PCBs	ND	0.038	0.25	ug/L	1	04/10/2018	04/17/2018 20:26	EPA 8082A	
Surrogate: Decachlorobiphenyl			*123 %*	*72.5-127*		*04/10/2018*	*04/17/2018 20:26*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*116 %*	*59.9-118*		*04/10/2018*	*04/17/2018 20:26*	*EPA 8082A*	
Pace Analytical-Green Bay, WI									
SM 2540C						**Preparation Batch:WET 31442**			
Total Dissolved Solids	**2300**	8.7	20.0	mg/L	1	04/12/2018	04/12/2018 15:55	SM 2540C	
SM 2540D						**Preparation Batch:WET 31390**			
Total Suspended Solids	**1.2**	0.95	2.0	mg/L	1	04/10/2018	04/10/2018 10:08	SM 2540D	Ja

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-9D2

A181419-18 (Water)

Date Sampled
04/05/2018 16:20

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.099	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,1,2-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,1-Dichloroethane	ND	0.12	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,1-Dichloroethene	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,1-Dichloropropene	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.045	2.0	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,2,3-Trichloropropane	ND	0.15	1.0	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.077	2.0	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.060	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	0.25	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,2-Dichlorobenzene	ND	0.076	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,2-Dichloroethane	ND	0.078	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,2-Dichloropropane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.075	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,3-Dichlorobenzene	ND	0.096	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,3-Dichloropropane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
1,4-Dichlorobenzene	ND	0.070	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
2,2-Dichloropropane	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
2-Butanone	ND	3.0	20	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
2-Chlorotoluene	ND	0.075	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
2-Hexanone	ND	0.95	20	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
4-Chlorotoluene	ND	0.073	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
4-Methyl-2-pentanone	ND	0.77	20	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Acetone	ND	3.4	20	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Benzene	ND	0.089	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Bromobenzene	ND	0.084	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Bromochloromethane	ND	0.31	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Bromodichloromethane	ND	0.077	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Bromoform	ND	0.088	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Bromomethane	ND	0.59	5.0	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Carbon disulfide	ND	0.053	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Carbon tetrachloride	ND	0.038	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Chlorobenzene	ND	0.073	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Chloroethane	ND	0.25	5.0	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Chloroform	ND	0.062	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-9D2

A181419-18 (Water)

Date Sampled
04/05/2018 16:20

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Chloromethane	ND	0.16	2.0	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
cis-1,2-Dichloroethene	**1.7**	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.061	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Dibromochloromethane	ND	0.091	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Dibromomethane	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Dichlorodifluoromethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Diisopropyl Ether	ND	0.15	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Ethylbenzene	ND	0.054	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Hexachlorobutadiene	ND	0.13	2.0	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Isopropylbenzene	ND	0.081	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
m,p-Xylene	ND	0.057	1.0	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Methyl t-Butyl Ether	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Methylene chloride	ND	0.14	2.0	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Naphthalene	ND	0.088	5.0	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
n-Butyl Benzene	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
n-Hexane	ND	0.21	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
n-Propyl Benzene	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
o-Xylene	ND	0.058	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
p-Isopropyltoluene	ND	0.085	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
sec-Butyl Benzene	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Styrene	ND	0.065	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
tert-Butylbenzene	ND	0.12	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Tetrachloroethene	**5.9**	0.081	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Tetrahydrofuran	ND	1.2	10	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Toluene	ND	0.053	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
trans-1,2-Dichloroethene	**0.14**	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	E1, HC, J
trans-1,3-Dichloropropene	ND	0.096	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Trichloroethene	**1.6**	0.062	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Trichlorofluoromethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Vinyl chloride	ND	0.16	0.50	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Xylenes, total	ND	0.12	1.5	ug/L	1	04/09/2018	04/10/2018 03:32	EPA 8260B	
Surrogate: Dibromofluoromethane			*106 %*	*70.8-139*		*04/09/2018*	*04/10/2018 03:32*	*EPA 8260B*	
Surrogate: Toluene-d8			*92.5 %*	*76.6-116*		*04/09/2018*	*04/10/2018 03:32*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene			*86.5 %*	*71.4-118*		*04/09/2018*	*04/10/2018 03:32*	*EPA 8260B*	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-2D

A181419-19 (Water)

Date Sampled
04/05/2018 16:58

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.099	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
1,1,2-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
1,1-Dichloroethane	ND	0.12	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
1,1-Dichloroethene	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
1,1-Dichloropropene	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
1,2,3-Trichlorobenzene	**0.050**	0.045	2.0	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	J
1,2,3-Trichloropropane	ND	0.15	1.0	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.077	2.0	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.060	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	0.25	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
1,2-Dichlorobenzene	ND	0.076	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
1,2-Dichloroethane	ND	0.078	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
1,2-Dichloropropane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.075	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
1,3-Dichlorobenzene	ND	0.096	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
1,3-Dichloropropane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
1,4-Dichlorobenzene	ND	0.070	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
2,2-Dichloropropane	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
2-Butanone	ND	3.0	20	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
2-Chlorotoluene	ND	0.075	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
2-Hexanone	ND	0.95	20	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
4-Chlorotoluene	ND	0.073	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
4-Methyl-2-pentanone	ND	0.77	20	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Acetone	ND	3.4	20	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Benzene	ND	0.089	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Bromobenzene	ND	0.084	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Bromochloromethane	ND	0.31	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Bromodichloromethane	ND	0.077	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Bromoform	ND	0.088	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Bromomethane	ND	0.59	5.0	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Carbon disulfide	ND	0.053	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Carbon tetrachloride	ND	0.038	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Chlorobenzene	ND	0.073	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Chloroethane	ND	0.25	5.0	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Chloroform	ND	0.062	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Chloromethane	**0.28**	0.16	2.0	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	HC, J

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corp. Semi-Annual Sampling
708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-2D

A181419-19 (Water)

Date Sampled
04/05/2018 16:58

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
cis-1,2-Dichloroethene	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.061	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Dibromochloromethane	ND	0.091	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Dibromomethane	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Dichlorodifluoromethane	**0.15**	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	HC, J
Diisopropyl Ether	ND	0.15	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Ethylbenzene	ND	0.054	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Hexachlorobutadiene	ND	0.13	2.0	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Isopropylbenzene	ND	0.081	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
m,p-Xylene	ND	0.057	1.0	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Methyl t-Butyl Ether	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Methylene chloride	ND	0.14	2.0	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Naphthalene	**0.33**	0.088	5.0	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	B, J
n-Butyl Benzene	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
n-Hexane	ND	0.21	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
n-Propyl Benzene	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
o-Xylene	ND	0.058	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
p-Isopropyltoluene	ND	0.085	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
sec-Butyl Benzene	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Styrene	ND	0.065	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
tert-Butylbenzene	ND	0.12	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Tetrachloroethene	**29**	0.081	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Tetrahydrofuran	ND	1.2	10	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Toluene	**0.060**	0.053	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	J
trans-1,2-Dichloroethene	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.096	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Trichloroethene	ND	0.062	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Trichlorofluoromethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Vinyl chloride	ND	0.16	0.50	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Xylenes, total	ND	0.12	1.5	ug/L	1	04/09/2018	04/10/2018 03:03	EPA 8260B	
Surrogate: Dibromofluoromethane			*108 %*	*70.8-139*		*04/09/2018*	*04/10/2018 03:03*	*EPA 8260B*	
Surrogate: Toluene-d8			*91.4 %*	*76.6-116*		*04/09/2018*	*04/10/2018 03:03*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene			*87.7 %*	*71.4-118*		*04/09/2018*	*04/10/2018 03:03*	*EPA 8260B*	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-28

A181419-20 (Water)

Date Sampled
04/06/2018 09:29

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Pace Analytical - Madison									
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch:A804129**			
PCB-1016	ND	0.035	0.13	ug/L	1	04/10/2018	04/17/2018 20:51	EPA 8082A	
PCB-1221	ND	0.020	0.25	ug/L	1	04/10/2018	04/17/2018 20:51	EPA 8082A	
PCB-1232	ND	0.037	0.13	ug/L	1	04/10/2018	04/17/2018 20:51	EPA 8082A	
PCB-1242	ND	0.038	0.13	ug/L	1	04/10/2018	04/17/2018 20:51	EPA 8082A	
PCB-1248	ND	0.020	0.13	ug/L	1	04/10/2018	04/17/2018 20:51	EPA 8082A	
PCB-1254	ND	0.0090	0.13	ug/L	1	04/10/2018	04/17/2018 20:51	EPA 8082A	
PCB-1260	ND	0.025	0.13	ug/L	1	04/10/2018	04/17/2018 20:51	EPA 8082A	
Total PCBs	ND	0.038	0.25	ug/L	1	04/10/2018	04/17/2018 20:51	EPA 8082A	
Surrogate: Decachlorobiphenyl			*127 %*	*72.5-127*		*04/10/2018*	*04/17/2018 20:51*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*120 %*	*59.9-118*		*04/10/2018*	*04/17/2018 20:51*	*EPA 8082A*	*S*
Pace Analytical-Green Bay, WI									
SM 2540C						**Preparation Batch:WET 31442**			
Total Dissolved Solids	**1370**	8.7	20.0	mg/L	1	04/12/2018	04/12/2018 15:57	SM 2540C	
SM 2540D						**Preparation Batch:WET 31390**			
Total Suspended Solids	ND	0.95	2.0	mg/L	1	04/10/2018	04/10/2018 10:08	SM 2540D	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-3D

A181419-21 (Water)

Date Sampled
04/06/2018 11:01

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.099	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,1,2-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,1-Dichloroethane	ND	0.12	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,1-Dichloroethene	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,1-Dichloropropene	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.045	2.0	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,2,3-Trichloropropane	ND	0.15	1.0	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.077	2.0	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.060	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	0.25	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,2-Dichlorobenzene	ND	0.076	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,2-Dichloroethane	ND	0.078	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,2-Dichloropropane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.075	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,3-Dichlorobenzene	ND	0.096	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,3-Dichloropropane	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
1,4-Dichlorobenzene	ND	0.070	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
2,2-Dichloropropane	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
2-Butanone	ND	3.0	20	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
2-Chlorotoluene	ND	0.075	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
2-Hexanone	ND	0.95	20	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
4-Chlorotoluene	ND	0.073	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
4-Methyl-2-pentanone	ND	0.77	20	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Acetone	**7.5**	3.4	20	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	HC, J
Benzene	**0.21**	0.089	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	J
Bromobenzene	ND	0.084	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Bromochloromethane	ND	0.31	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Bromodichloromethane	ND	0.077	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Bromoform	ND	0.088	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Bromomethane	ND	0.59	5.0	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Carbon disulfide	ND	0.053	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Carbon tetrachloride	ND	0.038	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Chlorobenzene	ND	0.073	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Chloroethane	ND	0.25	5.0	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Chloroform	**0.39**	0.062	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	J
Chloromethane	ND	0.16	2.0	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-3D

A181419-21 (Water)

Date Sampled
04/06/2018 11:01

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
cis-1,2-Dichloroethene	**44**	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.061	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Dibromochloromethane	ND	0.091	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Dibromomethane	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Dichlorodifluoromethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Diisopropyl Ether	ND	0.15	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Ethylbenzene	ND	0.054	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Hexachlorobutadiene	ND	0.13	2.0	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Isopropylbenzene	**0.12**	0.081	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	J
m,p-Xylene	**0.060**	0.057	1.0	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	J
Methyl t-Butyl Ether	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Methylene chloride	ND	0.14	2.0	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Naphthalene	ND	0.088	5.0	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
n-Butyl Benzene	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
n-Hexane	ND	0.21	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
n-Propyl Benzene	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
o-Xylene	ND	0.058	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
p-Isopropyltoluene	ND	0.085	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
sec-Butyl Benzene	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Styrene	ND	0.065	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
tert-Butylbenzene	ND	0.12	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Tetrachloroethene	**310**	4.1	25	ug/L	50	04/09/2018	04/10/2018 13:55	EPA 8260B	D
Tetrahydrofuran	ND	1.2	10	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Toluene	**0.10**	0.053	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	J
trans-1,2-Dichloroethene	**3.4**	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	E1
trans-1,3-Dichloropropene	ND	0.096	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Trichloroethene	**43**	0.062	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Trichlorofluoromethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Vinyl chloride	**0.56**	0.16	0.50	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Xylenes, total	ND	0.12	1.5	ug/L	1	04/09/2018	04/09/2018 19:16	EPA 8260B	
Surrogate: Dibromofluoromethane			*105 %*	*70.8-139*		*04/09/2018*	*04/09/2018 19:16*	*EPA 8260B*	
Surrogate: Toluene-d8			*96.7 %*	*76.6-116*		*04/09/2018*	*04/09/2018 19:16*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene			*90.3 %*	*71.4-118*		*04/09/2018*	*04/09/2018 19:16*	*EPA 8260B*	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-3D2

A181419-22 (Water)

Date Sampled
04/06/2018 11:27

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.099	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
1,1,2-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
1,1-Dichloroethane	ND	0.12	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
1,1-Dichloroethene	**0.26**	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	HC, J
1,1-Dichloropropene	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.045	2.0	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
1,2,3-Trichloropropane	ND	0.15	1.0	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.077	2.0	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.060	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	0.25	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
1,2-Dichlorobenzene	ND	0.076	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
1,2-Dichloroethane	ND	0.078	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
1,2-Dichloropropane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.075	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
1,3-Dichlorobenzene	ND	0.096	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
1,3-Dichloropropane	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
1,4-Dichlorobenzene	ND	0.070	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
2,2-Dichloropropane	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
2-Butanone	ND	3.0	20	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
2-Chlorotoluene	ND	0.075	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
2-Hexanone	ND	0.95	20	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
4-Chlorotoluene	ND	0.073	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
4-Methyl-2-pentanone	ND	0.77	20	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Acetone	ND	3.4	20	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Benzene	ND	0.089	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Bromobenzene	ND	0.084	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Bromochloromethane	ND	0.31	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Bromodichloromethane	ND	0.077	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Bromoform	ND	0.088	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Bromomethane	ND	0.59	5.0	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Carbon disulfide	ND	0.053	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Carbon tetrachloride	ND	0.038	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Chlorobenzene	ND	0.073	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Chloroethane	ND	0.25	5.0	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Chloroform	**0.19**	0.062	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	J
Chloromethane	ND	0.16	2.0	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

MW-3D2

A181419-22 (Water)

Date Sampled
04/06/2018 11:27

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
cis-1,2-Dichloroethene	**33**	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.061	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Dibromochloromethane	ND	0.091	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Dibromomethane	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Dichlorodifluoromethane	**1.0**	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Diisopropyl Ether	ND	0.15	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Ethylbenzene	ND	0.054	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Hexachlorobutadiene	ND	0.13	2.0	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Isopropylbenzene	ND	0.081	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
m,p-Xylene	**0.080**	0.057	1.0	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	J
Methyl t-Butyl Ether	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Methylene chloride	ND	0.14	2.0	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Naphthalene	ND	0.088	5.0	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
n-Butyl Benzene	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
n-Hexane	ND	0.21	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
n-Propyl Benzene	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
o-Xylene	ND	0.058	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
p-Isopropyltoluene	ND	0.085	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
sec-Butyl Benzene	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Styrene	ND	0.065	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
tert-Butylbenzene	ND	0.12	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Tetrachloroethene	**610**	4.1	25	ug/L	50	04/09/2018	04/10/2018 14:25	EPA 8260B	D
Tetrahydrofuran	ND	1.2	10	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Toluene	**0.080**	0.053	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	J
trans-1,2-Dichloroethene	**0.68**	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	E1
trans-1,3-Dichloropropene	ND	0.096	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Trichloroethene	**86**	3.1	25	ug/L	50	04/09/2018	04/10/2018 14:25	EPA 8260B	D
Trichlorofluoromethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Vinyl chloride	**0.30**	0.16	0.50	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	J
Xylenes, total	ND	0.12	1.5	ug/L	1	04/09/2018	04/09/2018 18:17	EPA 8260B	
Surrogate: Dibromofluoromethane			*103 %*	*70.8-139*		*04/09/2018*	*04/09/2018 18:17*	*EPA 8260B*	
Surrogate: Toluene-d8			*94.7 %*	*76.6-116*		*04/09/2018*	*04/09/2018 18:17*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene			*89.3 %*	*71.4-118*		*04/09/2018*	*04/09/2018 18:17*	*EPA 8260B*	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

DUP-01

A181419-23 (Water)

Date Sampled
04/03/2018 00:00

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.099	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,1,2-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,1-Dichloroethane	ND	0.12	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,1-Dichloroethene	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,1-Dichloropropene	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.045	2.0	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,2,3-Trichloropropane	ND	0.15	1.0	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.077	2.0	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.060	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	0.25	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,2-Dichlorobenzene	ND	0.076	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,2-Dichloroethane	ND	0.078	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,2-Dichloropropane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.075	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,3-Dichlorobenzene	ND	0.096	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,3-Dichloropropane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
1,4-Dichlorobenzene	ND	0.070	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
2,2-Dichloropropane	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
2-Butanone	ND	3.0	20	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
2-Chlorotoluene	ND	0.075	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
2-Hexanone	ND	0.95	20	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
4-Chlorotoluene	ND	0.073	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
4-Methyl-2-pentanone	ND	0.77	20	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Acetone	ND	3.4	20	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Benzene	ND	0.089	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Bromobenzene	ND	0.084	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Bromochloromethane	ND	0.31	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Bromodichloromethane	ND	0.077	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Bromoform	ND	0.088	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Bromomethane	ND	0.59	5.0	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Carbon disulfide	ND	0.053	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Carbon tetrachloride	ND	0.038	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Chlorobenzene	ND	0.073	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Chloroethane	ND	0.25	5.0	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Chloroform	ND	0.062	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

DUP-01

A181419-23 (Water)

Date Sampled
04/03/2018 00:00

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Chloromethane	ND	0.16	2.0	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.061	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Dibromochloromethane	ND	0.091	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Dibromomethane	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Dichlorodifluoromethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Diisopropyl Ether	ND	0.15	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Ethylbenzene	ND	0.054	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Hexachlorobutadiene	ND	0.13	2.0	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Isopropylbenzene	ND	0.081	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
m,p-Xylene	ND	0.057	1.0	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Methyl t-Butyl Ether	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Methylene chloride	ND	0.14	2.0	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Naphthalene	ND	0.088	5.0	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
n-Butyl Benzene	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
n-Hexane	ND	0.21	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
n-Propyl Benzene	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
o-Xylene	ND	0.058	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
p-Isopropyltoluene	ND	0.085	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
sec-Butyl Benzene	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Styrene	ND	0.065	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
tert-Butylbenzene	ND	0.12	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Tetrachloroethene	**0.11**	0.081	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	J
Tetrahydrofuran	ND	1.2	10	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Toluene	ND	0.053	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.096	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Trichloroethene	ND	0.062	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Trichlorofluoromethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Vinyl chloride	ND	0.16	0.50	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Xylenes, total	ND	0.12	1.5	ug/L	1	04/09/2018	04/10/2018 01:06	EPA 8260B	
Surrogate: Dibromofluoromethane			*109 %*	*70.8-139*		*04/09/2018*	*04/10/2018 01:06*	*EPA 8260B*	
Surrogate: Toluene-d8			*95.7 %*	*76.6-116*		*04/09/2018*	*04/10/2018 01:06*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene			*91.7 %*	*71.4-118*		*04/09/2018*	*04/10/2018 01:06*	*EPA 8260B*	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

DUP-02

A181419-24 (Water)

Date Sampled
04/04/2018 00:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Pace Analytical - Madison									
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch:A804129**			
PCB-1016	ND	0.035	0.13	ug/L	1	04/10/2018	04/17/2018 21:16	EPA 8082A	
PCB-1221	ND	0.020	0.25	ug/L	1	04/10/2018	04/17/2018 21:16	EPA 8082A	
PCB-1232	ND	0.037	0.13	ug/L	1	04/10/2018	04/17/2018 21:16	EPA 8082A	
PCB-1242	ND	0.038	0.13	ug/L	1	04/10/2018	04/17/2018 21:16	EPA 8082A	
PCB-1248	ND	0.020	0.13	ug/L	1	04/10/2018	04/17/2018 21:16	EPA 8082A	
PCB-1254	ND	0.0090	0.13	ug/L	1	04/10/2018	04/17/2018 21:16	EPA 8082A	
PCB-1260	ND	0.025	0.13	ug/L	1	04/10/2018	04/17/2018 21:16	EPA 8082A	
Total PCBs	ND	0.038	0.25	ug/L	1	04/10/2018	04/17/2018 21:16	EPA 8082A	
Surrogate: Decachlorobiphenyl			*123 %*	*72.5-127*		*04/10/2018*	*04/17/2018 21:16*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*113 %*	*59.9-118*		*04/10/2018*	*04/17/2018 21:16*	*EPA 8082A*	
Pace Analytical-Green Bay, WI									
SM 2540C						**Preparation Batch:WET 31404**			
Total Dissolved Solids	**2910**	8.7	20.0	mg/L	1	04/10/2018	04/10/2018 16:41	SM 2540C	
SM 2540D						**Preparation Batch:WET 31390**			
Total Suspended Solids	**1.0**	0.95	2.0	mg/L	1	04/10/2018	04/10/2018 10:08	SM 2540D	Ja

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

DUP-03

A181419-25 (Water)

Date Sampled
04/06/2018 00:00

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	1.1	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.99	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,1,2-Trichloroethane	ND	1.0	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	1.3	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,1-Dichloroethane	ND	1.2	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,1-Dichloroethene	ND	1.4	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,1-Dichloropropene	ND	1.1	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.45	20	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,2,3-Trichloropropane	ND	1.5	10	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.77	20	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.60	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	2.5	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	1.3	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,2-Dichlorobenzene	ND	0.76	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,2-Dichloroethane	ND	0.78	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,2-Dichloropropane	ND	1.0	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.75	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,3-Dichlorobenzene	ND	0.96	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,3-Dichloropropane	ND	1.1	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
1,4-Dichlorobenzene	ND	0.70	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
2,2-Dichloropropane	ND	1.4	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
2-Butanone	ND	30	200	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
2-Chlorotoluene	ND	0.75	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
2-Hexanone	ND	9.5	200	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
4-Chlorotoluene	ND	0.73	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
4-Methyl-2-pentanone	ND	7.7	200	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Acetone	**42**	34	200	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	HC, J, D
Benzene	ND	0.89	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Bromobenzene	ND	0.84	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Bromochloromethane	ND	3.1	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Bromodichloromethane	ND	0.77	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Bromoform	ND	0.88	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Bromomethane	ND	5.9	50	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Carbon disulfide	ND	0.53	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Carbon tetrachloride	ND	0.38	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Chlorobenzene	ND	0.73	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Chloroethane	ND	2.5	50	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Chloroform	**0.90**	0.62	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	J, D
Chloromethane	ND	1.6	20	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

DUP-03

A181419-25 (Water)

Date Sampled
04/06/2018 00:00

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
cis-1,2-Dichloroethene	**43**	1.1	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	D
cis-1,3-Dichloropropene	ND	0.61	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Dibromochloromethane	ND	0.91	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Dibromomethane	ND	1.4	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Dichlorodifluoromethane	ND	1.1	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Diisopropyl Ether	ND	1.5	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Ethylbenzene	ND	0.54	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Hexachlorobutadiene	ND	1.3	20	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Isopropylbenzene	ND	0.81	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
m,p-Xylene	ND	0.57	10	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Methyl t-Butyl Ether	ND	1.4	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Methylene chloride	**1.5**	1.4	20	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	HC, J, D
Naphthalene	ND	0.88	50	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
n-Butyl Benzene	ND	1.4	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
n-Hexane	ND	2.1	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
n-Propyl Benzene	ND	1.0	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
o-Xylene	ND	0.58	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
p-Isopropyltoluene	ND	0.85	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
sec-Butyl Benzene	ND	1.3	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Styrene	ND	0.65	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
tert-Butylbenzene	ND	1.2	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Tetrachloroethene	**330**	0.81	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	D
Tetrahydrofuran	ND	12	100	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Toluene	ND	0.53	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
trans-1,2-Dichloroethene	**4.3**	1.1	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	E1, HC, J, D
trans-1,3-Dichloropropene	ND	0.96	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Trichloroethene	**40**	0.62	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	D
Trichlorofluoromethane	ND	1.3	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Vinyl chloride	ND	1.6	5.0	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Xylenes, total	ND	1.2	15	ug/L	10	04/09/2018	04/10/2018 01:35	EPA 8260B	
Surrogate: Dibromofluoromethane			*111 %*	*70.8-139*		*04/09/2018*	*04/10/2018 01:35*	*EPA 8260B*	
Surrogate: Toluene-d8			*93.9 %*	*76.6-116*		*04/09/2018*	*04/10/2018 01:35*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene			*87.9 %*	*71.4-118*		*04/09/2018*	*04/10/2018 01:35*	*EPA 8260B*	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

FB-01

A181419-26 (Water)

Date Sampled
04/06/2018 12:50

Pace Analytical - Madison

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082							**Preparation Batch:A804129**		
PCB-1016	ND	0.035	0.13	ug/L	1	04/10/2018	04/17/2018 21:41	EPA 8082A	
PCB-1221	ND	0.020	0.25	ug/L	1	04/10/2018	04/17/2018 21:41	EPA 8082A	
PCB-1232	ND	0.037	0.13	ug/L	1	04/10/2018	04/17/2018 21:41	EPA 8082A	
PCB-1242	ND	0.038	0.13	ug/L	1	04/10/2018	04/17/2018 21:41	EPA 8082A	
PCB-1248	ND	0.020	0.13	ug/L	1	04/10/2018	04/17/2018 21:41	EPA 8082A	
PCB-1254	ND	0.0090	0.13	ug/L	1	04/10/2018	04/17/2018 21:41	EPA 8082A	
PCB-1260	ND	0.025	0.13	ug/L	1	04/10/2018	04/17/2018 21:41	EPA 8082A	
Total PCBs	ND	0.038	0.25	ug/L	1	04/10/2018	04/17/2018 21:41	EPA 8082A	
Surrogate: Decachlorobiphenyl			*120 %*	*72.5-127*		*04/10/2018*	*04/17/2018 21:41*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*113 %*	*59.9-118*		*04/10/2018*	*04/17/2018 21:41*	*EPA 8082A*	
Volatile Organic Compounds by Method 8260 - Purge and Trap							**Preparation Batch:A804123**		
1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.099	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,1,2-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,1-Dichloroethane	ND	0.12	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,1-Dichloroethene	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,1-Dichloropropene	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.045	2.0	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,2,3-Trichloropropane	ND	0.15	1.0	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.077	2.0	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.060	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	0.25	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,2-Dichlorobenzene	ND	0.076	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,2-Dichloroethane	ND	0.078	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,2-Dichloropropane	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.075	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,3-Dichlorobenzene	ND	0.096	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,3-Dichloropropane	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
1,4-Dichlorobenzene	ND	0.070	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
2,2-Dichloropropane	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
2-Butanone	ND	3.0	20	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
2-Chlorotoluene	ND	0.075	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
2-Hexanone	ND	0.95	20	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
4-Chlorotoluene	ND	0.073	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
4-Methyl-2-pentanone	ND	0.77	20	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Acetone	ND	3.4	20	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

FB-01

A181419-26 (Water)

Date Sampled
04/06/2018 12:50

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Benzene	ND	0.089	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Bromobenzene	ND	0.084	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Bromochloromethane	ND	0.31	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Bromodichloromethane	ND	0.077	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Bromoform	ND	0.088	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Bromomethane	ND	0.59	5.0	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Carbon disulfide	ND	0.053	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Carbon tetrachloride	ND	0.038	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Chlorobenzene	ND	0.073	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Chloroethane	ND	0.25	5.0	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Chloroform	ND	0.062	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Chloromethane	ND	0.16	2.0	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
cis-1,2-Dichloroethene	**0.14**	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	J
cis-1,3-Dichloropropene	ND	0.061	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Dibromochloromethane	ND	0.091	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Dibromomethane	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Dichlorodifluoromethane	**0.14**	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	HC, J
Diisopropyl Ether	ND	0.15	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Ethylbenzene	ND	0.054	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Hexachlorobutadiene	ND	0.13	2.0	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Isopropylbenzene	ND	0.081	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
m,p-Xylene	**0.060**	0.057	1.0	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	J
Methyl t-Butyl Ether	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Methylene chloride	ND	0.14	2.0	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Naphthalene	ND	0.088	5.0	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
n-Butyl Benzene	ND	0.14	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
n-Hexane	ND	0.21	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
n-Propyl Benzene	ND	0.10	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
o-Xylene	ND	0.058	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
p-Isopropyltoluene	ND	0.085	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
sec-Butyl Benzene	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Styrene	ND	0.065	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
tert-Butylbenzene	ND	0.12	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Tetrachloroethene	**0.37**	0.081	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	J
Tetrahydrofuran	ND	1.2	10	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Toluene	**0.10**	0.053	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	J
trans-1,2-Dichloroethene	ND	0.11	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.096	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Trichloroethene	**0.11**	0.062	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	J
Trichlorofluoromethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

FB-01

A181419-26 (Water)

Date Sampled
04/06/2018 12:50

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Pace Analytical - Madison									
Volatile Organic Compounds by Method 8260 - Purge and Trap						**Preparation Batch:A804123**			
Vinyl chloride	ND	0.16	0.50	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Xylenes, total	ND	0.12	1.5	ug/L	1	04/09/2018	04/09/2018 23:38	EPA 8260B	
Surrogate: Dibromofluoromethane			*108 %*	*70.8-139*		*04/09/2018*	*04/09/2018 23:38*	*EPA 8260B*	
Surrogate: Toluene-d8			*95.5 %*	*76.6-116*		*04/09/2018*	*04/09/2018 23:38*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene			*91.0 %*	*71.4-118*		*04/09/2018*	*04/09/2018 23:38*	*EPA 8260B*	
Pace Analytical-Green Bay, WI									
SM 2540C						**Preparation Batch:WET 31442**			
Total Dissolved Solids	ND	8.7	20.0	mg/L	1	04/12/2018	04/12/2018 15:57	SM 2540C	
SM 2540D						**Preparation Batch:WET 31390**			
Total Suspended Solids	ND	0.95	2.0	mg/L	1	04/10/2018	04/10/2018 10:08	SM 2540D	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

Trip Blank

A181419-27 (Water)

Date Sampled
04/02/2018 00:00

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.099	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,1,2-Trichloroethane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,1-Dichloroethane	ND	0.12	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,1-Dichloroethene	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,1-Dichloropropene	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.045	2.0	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,2,3-Trichloropropane	ND	0.15	1.0	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.077	2.0	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.060	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	0.25	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,2-Dichlorobenzene	ND	0.076	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,2-Dichloroethane	ND	0.078	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,2-Dichloropropane	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.075	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,3-Dichlorobenzene	ND	0.096	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,3-Dichloropropane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
1,4-Dichlorobenzene	ND	0.070	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
2,2-Dichloropropane	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
2-Butanone	ND	3.0	20	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
2-Chlorotoluene	ND	0.075	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
2-Hexanone	ND	0.95	20	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
4-Chlorotoluene	ND	0.073	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
4-Methyl-2-pentanone	ND	0.77	20	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Acetone	ND	3.4	20	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Benzene	ND	0.089	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Bromobenzene	ND	0.084	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Bromochloromethane	ND	0.31	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Bromodichloromethane	ND	0.077	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Bromoform	ND	0.088	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Bromomethane	ND	0.59	5.0	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Carbon disulfide	ND	0.053	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Carbon tetrachloride	ND	0.038	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Chlorobenzene	ND	0.073	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Chloroethane	ND	0.25	5.0	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Chloroform	ND	0.062	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corp. Semi-Annual Sampling
708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

Trip Blank

A181419-27 (Water)

Date Sampled
04/02/2018 00:00

Pace Analytical - Madison

Volatile Organic Compounds by Method 8260 - Purge and Trap — **Preparation Batch:A804123**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Chloromethane	ND	0.16	2.0	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.061	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Dibromochloromethane	ND	0.091	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Dibromomethane	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Dichlorodifluoromethane	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Diisopropyl Ether	ND	0.15	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Ethylbenzene	ND	0.054	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Hexachlorobutadiene	ND	0.13	2.0	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Isopropylbenzene	ND	0.081	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
m,p-Xylene	ND	0.057	1.0	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Methyl t-Butyl Ether	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Methylene chloride	**0.20**	0.14	2.0	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	HC, J
Naphthalene	ND	0.088	5.0	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
n-Butyl Benzene	ND	0.14	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
n-Hexane	ND	0.21	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
n-Propyl Benzene	ND	0.10	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
o-Xylene	ND	0.058	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
p-Isopropyltoluene	ND	0.085	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
sec-Butyl Benzene	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Styrene	ND	0.065	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
tert-Butylbenzene	ND	0.12	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Tetrachloroethene	ND	0.081	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Tetrahydrofuran	ND	1.2	10	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Toluene	ND	0.053	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.11	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.096	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Trichloroethene	ND	0.062	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Trichlorofluoromethane	ND	0.13	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Vinyl chloride	ND	0.16	0.50	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Xylenes, total	ND	0.12	1.5	ug/L	1	04/09/2018	04/10/2018 00:08	EPA 8260B	
Surrogate: Dibromofluoromethane			*110 %*	*70.8-139*		*04/09/2018*	*04/10/2018 00:08*	*EPA 8260B*	
Surrogate: Toluene-d8			*94.1 %*	*76.6-116*		*04/09/2018*	*04/10/2018 00:08*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene			*89.5 %*	*71.4-118*		*04/09/2018*	*04/10/2018 00:08*	*EPA 8260B*	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Pace Analytical - Madison

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A804129 - EPA 3511										
Blank (A804129-BLK1)				Prepared: 04/10/2018 Analyzed: 04/17/2018 13:01						
PCB-1016	ND	0.13	ug/L							
PCB-1221	ND	0.25	ug/L							
PCB-1232	ND	0.13	ug/L							
PCB-1242	ND	0.13	ug/L							
PCB-1248	ND	0.13	ug/L							
PCB-1254	ND	0.13	ug/L							
PCB-1260	ND	0.13	ug/L							
Total PCBs	ND	0.25	ug/L							
Surrogate: Decachlorobiphenyl	*0.762*		*ug/L*	*0.7500*		*102*	*72.5-127*			
Surrogate: Tetrachloro-meta-xylene	*0.719*		*ug/L*	*0.7500*		*95.8*	*59.9-118*			
LCS (A804129-BS1)				Prepared: 04/10/2018 Analyzed: 04/17/2018 12:36						
PCB-1016	15.4	0.13	ug/L	12.50		123	70-130			
PCB-1260	12.1	0.13	ug/L	12.50		97.1	70-130			
Surrogate: Decachlorobiphenyl	*0.862*		*ug/L*	*0.7500*		*115*	*72.5-127*			
Surrogate: Tetrachloro-meta-xylene	*0.789*		*ug/L*	*0.7500*		*105*	*59.9-118*			
Matrix Spike (A804129-MS1)	**Source: A181419-16**			Prepared: 04/10/2018 Analyzed: 04/17/2018 16:16						
PCB-1016	10.3	0.13	ug/L	12.50	ND	82.4	60-140			
PCB-1260	12.4	0.13	ug/L	12.50	ND	99.0	60-140			
Surrogate: Decachlorobiphenyl	*0.576*		*ug/L*	*0.7500*		*76.8*	*72.5-127*			
Surrogate: Tetrachloro-meta-xylene	*0.538*		*ug/L*	*0.7500*		*71.7*	*59.9-118*			
Matrix Spike Dup (A804129-MSD1)	**Source: A181419-16**			Prepared: 04/10/2018 Analyzed: 04/17/2018 18:21						
PCB-1016	10.7	0.13	ug/L	12.50	ND	85.3	60-140	3.48	20	
PCB-1260	12.7	0.13	ug/L	12.50	ND	102	60-140	2.64	20	
Surrogate: Decachlorobiphenyl	*0.552*		*ug/L*	*0.7500*		*73.6*	*72.5-127*			
Surrogate: Tetrachloro-meta-xylene	*0.541*		*ug/L*	*0.7500*		*72.2*	*59.9-118*			

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Madison

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A804123 - EPA 5030B										
Blank (A804123-BLK1)				Prepared: 04/09/2018 Analyzed: 04/09/2018 10:20						
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L							
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L							
1,1,2-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	0.50	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,1-Dichloropropene	ND	0.50	ug/L							
1,2,3-Trichlorobenzene	ND	2.0	ug/L							
1,2,3-Trichloropropane	ND	1.0	ug/L							
1,2,4-Trichlorobenzene	ND	2.0	ug/L							
1,2,4-Trimethylbenzene	ND	0.50	ug/L							
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L							
1,2-Dibromoethane (EDB)	ND	0.50	ug/L							
1,2-Dichlorobenzene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
1,3,5-Trimethylbenzene	ND	0.50	ug/L							
1,3-Dichlorobenzene	ND	0.50	ug/L							
1,3-Dichloropropane	ND	0.50	ug/L							
1,4-Dichlorobenzene	ND	0.50	ug/L							
2,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone	ND	20	ug/L							
2-Chlorotoluene	ND	0.50	ug/L							
2-Hexanone	ND	20	ug/L							
4-Chlorotoluene	ND	0.50	ug/L							
4-Methyl-2-pentanone	ND	20	ug/L							
Acetone	ND	20	ug/L							
Benzene	ND	0.50	ug/L							
Bromobenzene	ND	0.50	ug/L							
Bromochloromethane	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	0.50	ug/L							
Bromomethane	ND	5.0	ug/L							
Carbon disulfide	ND	0.50	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroethane	ND	5.0	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	2.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
cis-1,3-Dichloropropene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dibromomethane	ND	0.50	ug/L							

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Madison

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A804123 - EPA 5030B										
Blank (A804123-BLK1)				Prepared: 04/09/2018 Analyzed: 04/09/2018 10:20						
Dichlorodifluoromethane	ND	0.50	ug/L							
Diisopropyl Ether	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
Hexachlorobutadiene	ND	2.0	ug/L							
Isopropylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methyl t-Butyl Ether	ND	0.50	ug/L							
Methylene chloride	ND	2.0	ug/L							
Naphthalene	0.090	5.0	ug/L							J
n-Butyl Benzene	ND	0.50	ug/L							
n-Hexane	ND	0.50	ug/L							
n-Propyl Benzene	ND	0.50	ug/L							
o-Xylene	ND	0.50	ug/L							
p-Isopropyltoluene	ND	0.50	ug/L							
sec-Butyl Benzene	ND	0.50	ug/L							
Styrene	ND	0.50	ug/L							
tert-Butylbenzene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Tetrahydrofuran	ND	10	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
trans-1,3-Dichloropropene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Xylenes, total	ND	1.5	ug/L							
Surrogate: Dibromofluoromethane	*9.59*		*ug/L*	*10.00*		*95.9*	*70.8-139*			
Surrogate: Toluene-d8	*9.40*		*ug/L*	*10.00*		*94.0*	*76.6-116*			
Surrogate: 4-Bromofluorobenzene	*9.27*		*ug/L*	*10.00*		*92.7*	*71.4-118*			
LCS (A804123-BS1)				Prepared: 04/09/2018 Analyzed: 04/09/2018 22:40						
1,1,1,2-Tetrachloroethane	5.19	0.50	ug/L	5.000		104	78-131			
1,1,1-Trichloroethane	5.71	0.50	ug/L	5.000		114	68.9-152			
1,1,2,2-Tetrachloroethane	5.74	0.50	ug/L	5.000		115	66.3-131			
1,1,2-Trichloroethane	5.92	0.50	ug/L	5.000		118	79.2-123			
1,1,2-Trichlorotrifluoroethane	6.78	0.50	ug/L	5.000		136	47.3-196			
1,1-Dichloroethane	6.74	0.50	ug/L	5.000		135	73.2-144			
1,1-Dichloroethene	6.42	0.50	ug/L	5.000		128	47.7-175			
1,1-Dichloropropene	5.45	0.50	ug/L	5.000		109	79.4-126			
1,2,3-Trichlorobenzene	4.88	2.0	ug/L	5.000		97.6	74-121			
1,2,3-Trichloropropane	5.82	1.0	ug/L	5.000		116	72.5-135			
1,2,4-Trichlorobenzene	4.65	2.0	ug/L	5.000		93.0	74.6-118			
1,2,4-Trimethylbenzene	4.99	0.50	ug/L	5.000		99.8	86.3-119			
1,2-Dibromo-3-chloropropane	4.87	0.50	ug/L	5.000		97.4	53-136			

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Madison WI, 53717	Project Manager: Andrew Stehn

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Madison

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A804123 - EPA 5030B										
LCS (A804123-BS1)				Prepared: 04/09/2018 Analyzed: 04/09/2018 22:40						
1,2-Dibromoethane (EDB)	5.40	0.50	ug/L	5.000		108	79.5-121			
1,2-Dichlorobenzene	5.25	0.50	ug/L	5.000		105	87.2-115			
1,2-Dichloroethane	6.60	0.50	ug/L	5.000		132	72.9-149			
1,2-Dichloropropane	5.85	0.50	ug/L	5.000		117	79.1-122			
1,3,5-Trimethylbenzene	5.00	0.50	ug/L	5.000		100	85.7-120			
1,3-Dichlorobenzene	5.17	0.50	ug/L	5.000		103	88.5-114			
1,3-Dichloropropane	5.76	0.50	ug/L	5.000		115	79.7-123			
1,4-Dichlorobenzene	5.10	0.50	ug/L	5.000		102	87.5-112			
2,2-Dichloropropane	4.99	0.50	ug/L	5.000		99.8	70.3-142			
2-Butanone	65.8	20	ug/L	50.00		132	52.6-151			
2-Chlorotoluene	5.16	0.50	ug/L	5.000		103	86.2-117			
2-Hexanone	58.6	20	ug/L	50.00		117	50.7-153			
4-Chlorotoluene	5.09	0.50	ug/L	5.000		102	85.8-118			
4-Methyl-2-pentanone	60.6	20	ug/L	50.00		121	58.8-151			
Acetone	86.9	20	ug/L	50.00		174	34.7-197			
Benzene	5.87	0.50	ug/L	5.000		117	78.6-127			
Bromobenzene	5.19	0.50	ug/L	5.000		104	84.1-113			
Bromochloromethane	5.77	0.50	ug/L	5.000		115	81-132			
Bromodichloromethane	5.43	0.50	ug/L	5.000		109	78.7-132			
Bromoform	4.88	0.50	ug/L	5.000		97.6	68.6-133			
Bromomethane	6.70	5.0	ug/L	5.000		134	37.4-199			
Carbon disulfide	6.05	0.50	ug/L	5.000		121	37-182			
Carbon tetrachloride	5.25	0.50	ug/L	5.000		105	69.3-140			
Chlorobenzene	5.11	0.50	ug/L	5.000		102	89.7-112			
Chloroethane	6.58	5.0	ug/L	5.000		132	47.6-184			
Chloroform	5.97	0.50	ug/L	5.000		119	69.9-148			
Chloromethane	6.46	2.0	ug/L	5.000		129	56.3-169			
cis-1,2-Dichloroethene	5.56	0.50	ug/L	5.000		111	80.1-124			
cis-1,3-Dichloropropene	5.13	0.50	ug/L	5.000		103	70.9-123			
Dibromochloromethane	5.04	0.50	ug/L	5.000		101	78.6-127			
Dibromomethane	5.71	0.50	ug/L	5.000		114	78.5-135			
Dichlorodifluoromethane	6.28	0.50	ug/L	5.000		126	68.9-158			
Diisopropyl Ether	6.63	0.50	ug/L	5.000		133	67.3-134			
Ethylbenzene	5.12	0.50	ug/L	5.000		102	86.3-118			
Hexachlorobutadiene	4.81	2.0	ug/L	5.000		96.2	60.2-149			
Isopropylbenzene	5.10	0.50	ug/L	5.000		102	86.9-117			
m,p-Xylene	10.0	1.0	ug/L	10.00		100	88.5-116			
Methyl t-Butyl Ether	6.87	0.50	ug/L	5.000		137	63.1-141			
Methylene chloride	6.93	2.0	ug/L	5.000		139	67.8-143			
Naphthalene	4.70	5.0	ug/L	5.000		94.0	46.9-134			J
n-Butyl Benzene	4.96	0.50	ug/L	5.000		99.2	83.8-119			
n-Hexane	6.20	0.50	ug/L	5.000		124	57.7-142			
n-Propyl Benzene	5.07	0.50	ug/L	5.000		101	83.4-121			
o-Xylene	5.06	0.50	ug/L	5.000		101	86.1-113			

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corp. Semi-Annual Sampling
708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Madison

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A804123 - EPA 5030B										
LCS (A804123-BS1)				Prepared: 04/09/2018 Analyzed: 04/09/2018 22:40						
p-Isopropyltoluene	4.85	0.50	ug/L	5.000		97.0	87.4-115			
sec-Butyl Benzene	5.00	0.50	ug/L	5.000		100	84.9-119			
Styrene	5.07	0.50	ug/L	5.000		101	84.9-117			
tert-Butylbenzene	5.00	0.50	ug/L	5.000		100	79.1-120			
Tetrachloroethene	4.95	0.50	ug/L	5.000		99.0	80.5-118			
Tetrahydrofuran	28.9	10	ug/L	25.00		115	35.5-156			
Toluene	5.16	0.50	ug/L	5.000		103	83.8-115			
trans-1,2-Dichloroethene	6.62	0.50	ug/L	5.000		132	78.3-128			
trans-1,3-Dichloropropene	5.06	0.50	ug/L	5.000		101	78.3-119			
Trichloroethene	5.25	0.50	ug/L	5.000		105	82.6-121			
Trichlorofluoromethane	6.73	0.50	ug/L	5.000		135	47.9-196			
Vinyl chloride	6.17	0.50	ug/L	5.000		123	53-177			
Surrogate: Dibromofluoromethane	*5.91*		*ug/L*	*5.000*		*118*	*70.8-139*			
Surrogate: Toluene-d8	*5.37*		*ug/L*	*5.000*		*107*	*76.6-116*			
Surrogate: 4-Bromofluorobenzene	*5.03*		*ug/L*	*5.000*		*101*	*71.4-118*			
Matrix Spike (A804123-MS1)	**Source: A181419-04**			Prepared: 04/09/2018 Analyzed: 04/09/2018 14:13						
1,1,1,2-Tetrachloroethane	4.98	0.50	ug/L	5.000	ND	99.6	78.4-135			
1,1,1-Trichloroethane	5.34	0.50	ug/L	5.000	ND	107	68.4-158			
1,1,2,2-Tetrachloroethane	5.50	0.50	ug/L	5.000	ND	110	64.7-135			
1,1,2-Trichloroethane	5.55	0.50	ug/L	5.000	ND	111	76.2-132			
1,1,2-Trichlorotrifluoroethane	5.89	0.50	ug/L	5.000	ND	118	51.7-199			
1,1-Dichloroethane	5.79	0.50	ug/L	5.000	ND	116	69-149			
1,1-Dichloroethene	5.88	0.50	ug/L	5.000	ND	118	49.3-178			
1,1-Dichloropropene	5.42	0.50	ug/L	5.000	ND	108	75.8-126			
1,2,3-Trichlorobenzene	5.00	2.0	ug/L	5.000	ND	100	73.3-124			
1,2,3-Trichloropropane	5.56	1.0	ug/L	5.000	ND	111	70.6-141			
1,2,4-Trichlorobenzene	4.72	2.0	ug/L	5.000	ND	94.4	70.8-121			
1,2,4-Trimethylbenzene	4.75	0.50	ug/L	5.000	ND	95.0	85.3-120			
1,2-Dibromo-3-chloropropane	5.54	0.50	ug/L	5.000	ND	111	50.6-138			
1,2-Dibromoethane (EDB)	5.23	0.50	ug/L	5.000	ND	105	75.9-124			
1,2-Dichlorobenzene	5.03	0.50	ug/L	5.000	ND	101	87.1-115			
1,2-Dichloroethane	5.85	0.50	ug/L	5.000	ND	117	74-155			
1,2-Dichloropropane	5.32	0.50	ug/L	5.000	ND	106	85.9-119			
1,3,5-Trimethylbenzene	4.69	0.50	ug/L	5.000	ND	93.8	85.3-120			
1,3-Dichlorobenzene	4.83	0.50	ug/L	5.000	ND	96.6	87.6-115			
1,3-Dichloropropane	5.40	0.50	ug/L	5.000	ND	108	79.8-125			
1,4-Dichlorobenzene	4.89	0.50	ug/L	5.000	ND	97.8	86.3-113			
2,2-Dichloropropane	4.93	0.50	ug/L	5.000	ND	98.6	71.4-142			
2-Butanone	63.6	20	ug/L	50.00	ND	127	45.3-165			
2-Chlorotoluene	4.89	0.50	ug/L	5.000	ND	97.8	86.6-117			
2-Hexanone	61.7	20	ug/L	50.00	ND	123	45.9-161			
4-Chlorotoluene	4.90	0.50	ug/L	5.000	ND	98.0	86.1-119			
4-Methyl-2-pentanone	62.5	20	ug/L	50.00	ND	125	53.4-160			

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corp. Semi-Annual Sampling
708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Madison

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A804123 - EPA 5030B										
Matrix Spike (A804123-MS1)	**Source: A181419-04**		Prepared: 04/09/2018 Analyzed: 04/09/2018 14:13							
Acetone	65.1	20	ug/L	50.00	ND	130	39.4-199			
Benzene	5.33	0.50	ug/L	5.000	ND	107	75.1-132			
Bromobenzene	4.87	0.50	ug/L	5.000	ND	97.4	83.5-113			
Bromochloromethane	5.25	0.50	ug/L	5.000	ND	105	79.1-136			
Bromodichloromethane	5.22	0.50	ug/L	5.000	ND	104	77-138			
Bromoform	5.13	0.50	ug/L	5.000	ND	103	66.6-136			
Bromomethane	5.86	5.0	ug/L	5.000	ND	117	45.8-193			
Carbon disulfide	5.66	0.50	ug/L	5.000	ND	113	39.7-182			
Carbon tetrachloride	4.92	0.50	ug/L	5.000	ND	98.4	71.8-143			
Chlorobenzene	4.94	0.50	ug/L	5.000	ND	98.8	89.6-112			
Chloroethane	5.66	5.0	ug/L	5.000	ND	113	49.5-188			
Chloroform	5.37	0.50	ug/L	5.000	ND	107	67.3-154			
Chloromethane	5.82	2.0	ug/L	5.000	ND	116	54.7-167			
cis-1,2-Dichloroethene	5.68	0.50	ug/L	5.000	0.560	102	73.6-131			
cis-1,3-Dichloropropene	5.13	0.50	ug/L	5.000	ND	103	67-125			
Dibromochloromethane	5.10	0.50	ug/L	5.000	ND	102	79-128			
Dibromomethane	5.50	0.50	ug/L	5.000	ND	110	80.9-136			
Dichlorodifluoromethane	5.91	0.50	ug/L	5.000	ND	118	70.9-150			
Diisopropyl Ether	5.83	0.50	ug/L	5.000	ND	117	59.9-139			
Ethylbenzene	4.98	0.50	ug/L	5.000	ND	99.6	87.1-117			
Hexachlorobutadiene	4.79	2.0	ug/L	5.000	ND	95.8	59.6-155			
Isopropylbenzene	5.03	0.50	ug/L	5.000	ND	101	87.3-117			
m,p-Xylene	9.82	1.0	ug/L	10.00	0.0800	97.4	87.5-116			
Methyl t-Butyl Ether	6.33	0.50	ug/L	5.000	ND	127	55.9-151			
Methylene chloride	5.92	2.0	ug/L	5.000	0.160	115	63.1-149			
Naphthalene	4.75	5.0	ug/L	5.000	ND	95.0	41.3-137			J
n-Butyl Benzene	4.91	0.50	ug/L	5.000	ND	98.2	82.1-121			
n-Hexane	5.61	0.50	ug/L	5.000	ND	112	50-148			
n-Propyl Benzene	4.85	0.50	ug/L	5.000	ND	97.0	83.4-121			
o-Xylene	4.93	0.50	ug/L	5.000	ND	98.6	84.5-113			
p-Isopropyltoluene	4.74	0.50	ug/L	5.000	ND	94.8	87.3-114			
sec-Butyl Benzene	4.89	0.50	ug/L	5.000	ND	97.8	84.9-118			
Styrene	4.86	0.50	ug/L	5.000	ND	97.2	79.2-121			
tert-Butylbenzene	4.81	0.50	ug/L	5.000	ND	96.2	79.3-119			
Tetrachloroethene	6.07	0.50	ug/L	5.000	1.23	96.8	78.4-121			
Tetrahydrofuran	30.8	10	ug/L	25.00	ND	123	27-163			
Toluene	5.01	0.50	ug/L	5.000	0.0900	98.4	81.7-117			
trans-1,2-Dichloroethene	5.87	0.50	ug/L	5.000	0.190	114	71.3-135			
trans-1,3-Dichloropropene	5.19	0.50	ug/L	5.000	ND	104	76-122			
Trichloroethene	6.14	0.50	ug/L	5.000	1.15	99.8	70.4-133			
Trichlorofluoromethane	6.18	0.50	ug/L	5.000	ND	124	50.7-199			
Vinyl chloride	5.85	0.50	ug/L	5.000	ND	117	55.4-172			
Surrogate: Dibromofluoromethane	*5.30*		*ug/L*	*5.000*		*106*	*70.8-139*			
Surrogate: Toluene-d8	*5.12*		*ug/L*	*5.000*		*102*	*76.6-116*			

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corp. Semi-Annual Sampling
Project Number: 292257
Project Manager: Andrew Stehn

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Madison

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A804123 - EPA 5030B										
Matrix Spike (A804123-MS1)	**Source: A181419-04**			Prepared: 04/09/2018	Analyzed: 04/09/2018 14:13					
Surrogate: 4-Bromofluorobenzene	*4.92*		*ug/L*	*5.000*		*98.4*	*71.4-118*			
Matrix Spike Dup (A804123-MSD1)	**Source: A181419-04**			Prepared: 04/09/2018	Analyzed: 04/09/2018 14:52					
1,1,1,2-Tetrachloroethane	5.20	0.50	ug/L	5.000	ND	104	78.4-135	4.32	20	
1,1,1-Trichloroethane	5.49	0.50	ug/L	5.000	ND	110	68.4-158	2.77	20	
1,1,2,2-Tetrachloroethane	5.43	0.50	ug/L	5.000	ND	109	64.7-135	1.28	20	
1,1,2-Trichloroethane	5.55	0.50	ug/L	5.000	ND	111	76.2-132	0.00	20	
1,1,2-Trichlorotrifluoroethane	6.12	0.50	ug/L	5.000	ND	122	51.7-199	3.83	20	
1,1-Dichloroethane	6.10	0.50	ug/L	5.000	ND	122	69-149	5.21	20	
1,1-Dichloroethene	5.99	0.50	ug/L	5.000	ND	120	49.3-178	1.85	20	
1,1-Dichloropropene	5.45	0.50	ug/L	5.000	ND	109	75.8-126	0.552	20	
1,2,3-Trichlorobenzene	4.89	2.0	ug/L	5.000	ND	97.8	73.3-124	2.22	20	
1,2,3-Trichloropropane	5.22	1.0	ug/L	5.000	ND	104	70.6-141	6.31	20	
1,2,4-Trichlorobenzene	4.76	2.0	ug/L	5.000	ND	95.2	70.8-121	0.844	20	
1,2,4-Trimethylbenzene	4.74	0.50	ug/L	5.000	ND	94.8	85.3-120	0.211	20	
1,2-Dibromo-3-chloropropane	5.25	0.50	ug/L	5.000	ND	105	50.6-138	5.38	20	
1,2-Dibromoethane (EDB)	5.22	0.50	ug/L	5.000	ND	104	75.9-124	0.191	20	
1,2-Dichlorobenzene	5.07	0.50	ug/L	5.000	ND	101	87.1-115	0.792	20	
1,2-Dichloroethane	5.89	0.50	ug/L	5.000	ND	118	74-155	0.681	20	
1,2-Dichloropropane	5.38	0.50	ug/L	5.000	ND	108	85.9-119	1.12	20	
1,3,5-Trimethylbenzene	4.72	0.50	ug/L	5.000	ND	94.4	85.3-120	0.638	20	
1,3-Dichlorobenzene	4.90	0.50	ug/L	5.000	ND	98.0	87.6-115	1.44	20	
1,3-Dichloropropane	5.37	0.50	ug/L	5.000	ND	107	79.8-125	0.557	20	
1,4-Dichlorobenzene	4.96	0.50	ug/L	5.000	ND	99.2	86.3-113	1.42	20	
2,2-Dichloropropane	5.04	0.50	ug/L	5.000	ND	101	71.4-142	2.21	20	
2-Butanone	59.9	20	ug/L	50.00	ND	120	45.3-165	5.93	20	
2-Chlorotoluene	4.92	0.50	ug/L	5.000	ND	98.4	86.6-117	0.612	20	
2-Hexanone	57.3	20	ug/L	50.00	ND	115	45.9-161	7.34	20	
4-Chlorotoluene	5.04	0.50	ug/L	5.000	ND	101	86.1-119	2.82	20	
4-Methyl-2-pentanone	57.9	20	ug/L	50.00	ND	116	53.4-160	7.61	20	
Acetone	69.8	20	ug/L	50.00	ND	140	39.4-199	7.06	20	
Benzene	5.42	0.50	ug/L	5.000	ND	108	75.1-132	1.67	20	
Bromobenzene	4.87	0.50	ug/L	5.000	ND	97.4	83.5-113	0.00	20	
Bromochloromethane	5.36	0.50	ug/L	5.000	ND	107	79.1-136	2.07	20	
Bromodichloromethane	5.14	0.50	ug/L	5.000	ND	103	77-138	1.54	20	
Bromoform	4.89	0.50	ug/L	5.000	ND	97.8	66.6-136	4.79	20	
Bromomethane	6.08	5.0	ug/L	5.000	ND	122	45.8-193	3.69	20	
Carbon disulfide	5.79	0.50	ug/L	5.000	ND	116	39.7-182	2.27	20	
Carbon tetrachloride	5.14	0.50	ug/L	5.000	ND	103	71.8-143	4.37	20	
Chlorobenzene	5.01	0.50	ug/L	5.000	ND	100	89.6-112	1.41	20	
Chloroethane	6.46	5.0	ug/L	5.000	ND	129	49.5-188	13.2	20	
Chloroform	5.32	0.50	ug/L	5.000	ND	106	67.3-154	0.935	20	
Chloromethane	5.91	2.0	ug/L	5.000	ND	118	54.7-167	1.53	20	
cis-1,2-Dichloroethene	5.88	0.50	ug/L	5.000	0.560	106	73.6-131	3.46	20	

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708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

Pace Analytical - Madison

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A804123 - EPA 5030B										
Matrix Spike Dup (A804123-MSD1)	**Source: A181419-04**		Prepared: 04/09/2018 Analyzed: 04/09/2018 14:52							
cis-1,3-Dichloropropene	5.04	0.50	ug/L	5.000	ND	101	67-125	1.77	20	
Dibromochloromethane	4.99	0.50	ug/L	5.000	ND	99.8	79-128	2.18	20	
Dibromomethane	5.24	0.50	ug/L	5.000	ND	105	80.9-136	4.84	20	
Dichlorodifluoromethane	6.15	0.50	ug/L	5.000	ND	123	70.9-150	3.98	20	
Diisopropyl Ether	5.68	0.50	ug/L	5.000	ND	114	59.9-139	2.61	20	
Ethylbenzene	5.15	0.50	ug/L	5.000	ND	103	87.1-117	3.36	20	
Hexachlorobutadiene	4.92	2.0	ug/L	5.000	ND	98.4	59.6-155	2.68	20	
Isopropylbenzene	5.12	0.50	ug/L	5.000	ND	102	87.3-117	1.77	20	
m,p-Xylene	9.92	1.0	ug/L	10.00	0.0800	98.4	87.5-116	1.01	20	
Methyl t-Butyl Ether	6.39	0.50	ug/L	5.000	ND	128	55.9-151	0.943	20	
Methylene chloride	5.93	2.0	ug/L	5.000	0.160	115	63.1-149	0.169	20	
Naphthalene	4.79	5.0	ug/L	5.000	ND	95.8	41.3-137	0.839	20	J
n-Butyl Benzene	4.98	0.50	ug/L	5.000	ND	99.6	82.1-121	1.42	20	
n-Hexane	5.71	0.50	ug/L	5.000	ND	114	50-148	1.77	20	
n-Propyl Benzene	4.99	0.50	ug/L	5.000	ND	99.8	83.4-121	2.85	20	
o-Xylene	5.11	0.50	ug/L	5.000	ND	102	84.5-113	3.59	20	
p-Isopropyltoluene	4.81	0.50	ug/L	5.000	ND	96.2	87.3-114	1.47	20	
sec-Butyl Benzene	4.99	0.50	ug/L	5.000	ND	99.8	84.9-118	2.02	20	
Styrene	4.81	0.50	ug/L	5.000	ND	96.2	79.2-121	1.03	20	
tert-Butylbenzene	4.88	0.50	ug/L	5.000	ND	97.6	79.3-119	1.44	20	
Tetrachloroethene	6.26	0.50	ug/L	5.000	1.23	101	78.4-121	3.08	20	
Tetrahydrofuran	30.4	10	ug/L	25.00	ND	122	27-163	1.21	20	
Toluene	5.04	0.50	ug/L	5.000	0.0900	99.0	81.7-117	0.597	20	
trans-1,2-Dichloroethene	6.11	0.50	ug/L	5.000	0.190	118	71.3-135	4.01	20	
trans-1,3-Dichloropropene	5.13	0.50	ug/L	5.000	ND	103	76-122	1.16	20	
Trichloroethene	6.33	0.50	ug/L	5.000	1.15	104	70.4-133	3.05	20	
Trichlorofluoromethane	6.19	0.50	ug/L	5.000	ND	124	50.7-199	0.162	20	
Vinyl chloride	5.94	0.50	ug/L	5.000	ND	119	55.4-172	1.53	20	
Surrogate: Dibromofluoromethane	*5.41*		*ug/L*	*5.000*		*108*	*70.8-139*			
Surrogate: Toluene-d8	*5.08*		*ug/L*	*5.000*		*102*	*76.6-116*			
Surrogate: 4-Bromofluorobenzene	*4.88*		*ug/L*	*5.000*		*97.6*	*71.4-118*			

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corp. Semi-Annual Sampling
708 Heartland Trail, Ste 3000	Project Number: 292257
Madison WI, 53717	Project Manager: Andrew Stehn

Notes and Definitions

S	Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect.
M	The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory control limits.
Ja	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
J	Analyte was detected but is below the reporting limit. The concentration is estimated.
HC	Results may be biased high because of high continuing calibration verification (CCV).
E1	Estimated value because of quality control sample exceedances.
D	Data reported from a dilution
B	Analyte is also detected in the associated method blank.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

Pace Analytical - ECCS Division
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

No. 09173 Page: 1 of: 3

Lab Work Order #: A181419

Report To: A. Stelma
Company: TRC
Address 1:
Address 2:
E-mail Address:

Project Number: 292257 PO Number: 118039
Project Name: MKE Semi-Annual Sampling Event
Project Location (City, State): Madison, WI

Turn Around (check one): ☒ Normal ☐ Rush
If Rush, Report Due Date:
Sampled By (Print): Wesley Braga / T. Perkins

Invoice To:
Company:
Address 1:
Address 2:

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	Preservation Codes	Analyses Requested: B	A	A	A			Comments	Lab ID	Lab Receipt Time
						VOCs	PCBs	TDS	TSS					
MP-14 (135-140)	4/2/18	1315	GW	3		X							01	
MP-16 (140-144)	4/2/18	1423	GW	3		X							02	
MW-25D2	4/3/18	1024	GW	3		X							03	
MW-27D	4/3/18	1309	GW	9		X						MS/MSD Vial I air bubble ~ 7mm	04	
MW-5D3	4/3/18	1511	GW	3		X							05	
MW-5D2	4/3/18	1622	GW	3		X							06	
MW-5D	4/3/18	1737	GW	3		X							07	
MW-4D2	4/4/18	0932	GW	3		X						labels read 09:33	08	
MW-4D	4/4/18	1129	GW	~~3~~ 4			X	X	X				09	
MW-45	4/4/18	1304	GW	~~3~~ 4			X	X	X				10	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Other Comments:

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Wesley J Braga	4/6/18	1430	Kari-Ann Kiehn	4/6/18	1430
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Custody Seal: ☒ NA ☐ Intact ☐ Not Intact
Shipped Via: Walk In
Receipt Temp: 5.7°C
Thermometer #/ Exp. Date: 160142274 7/12/18
Temp Blank: ☒ Y ☐ N

Rev. 12/15

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ECCS Mobile Lab Services

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Madison, WI 53718
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CHAIN OF CUSTODY

No. 09172

Lab Work Order #: A181419

Report To: A. Stehn
Company: TRC
Address 1:
Address 2:
E-mail Address:

Project Number: 292257 PO Number: 118039
Project Name: MKC Semi-Annual Sampling Event
Project Location (City, State): Madison, WI

Preservation Codes
Analyses Requested

Turn Around (check one): ☐ Normal ☐ Rush
If Rush, Report Due Date:
Sampled By (Print): Wesley Braga / Tom Perkins

Invoice To:
Company:
Address 1:
Address 2:

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	B VOCs	A PCBs	A TPS	A TSS			Comments	Lab ID	Lab Receipt Time
MW-17	4/4/18	~~1508~~ 1604	GW	3	X							11	
MW-6D	4/6/18	1620	GW	3	X							12	
MW-6S	4/4/18	1824	GW	4		X	X	X				13	
MW-29S	4/5/18	0911	GW	4		X	X	X				14	
MW-29D	4/5/18	1043	GW	4		X	X	X				15	
MW-11S	4/5/18	1325	GW	8		X	X	X			MS/MSD	16	
MW-24	4/5/18	1349	GW	6		X	X	X			Lab Dup Vol.	17	
MW-9D2	4/5/18	1620	GW	3	X							18	
MW-2D	4/5/18	1658	GW	3	X							19	
MW-28	4/6/18	0929	GW	4		X	X	X				20	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Other Comments:

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Wesley Braga	4/6/18	1430	Kari-Ann Killen	4/6/18	1430
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Custody Seal: ☒ NA ☐ Intact ☐ Not Intact
Shipped Via: Walk In
Receipt Temp: 5.7°C
Thermometer #/ Exp. Date: 160142274 7/12/18
Temp Blank: ☒ Y ☐ N

Rev. 12/15

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608-221-4889 (fax)

CHAIN OF CUSTODY

No. 09168 Page: 3 of: 3

Lab Work Order #: A181419

Report To: A. Stehn
Company: TRC
Address 1:
Address 2:
E-mail Address:

Project Number: 292257 PO Number: 118039
Project Name: MKC Semi-Annual Groundwater Event
Project Location (City, State): Madison, WI

Turn Around (check one): ☒ Normal ☐ Rush
If Rush, Report Due Date:
Sampled By (Print): Wesley Braga / Tom Perkins

Invoice To:
Company:
Address 1:
Address 2:

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	Preservation Codes	Analyses Requested: B	A	A	A			Comments	Lab ID	Lab Receipt Time
						VOCs	PCBs	TDS	TSS					
MW-3D	4/6/18	1101	GW	3		X							21	
MW-3D2	4/6/18	1127	GW	3		X							22	
DUP-01	4/3/18	-	GW	3		X						Vial C air bubble <6mm	23	
DUP-02	4/4/18	-	GW	4			X	X	X				24	
DUP-03	4/6/18	-	GW	3		X							25	
FB-01	4/6/18	1250	W	7		X	X	X	X				26	
Trip Blank	-	-	W	1		X							27	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Other Comments:

Relinquished By: Wesley J Braga	Date: 4/6/18	Time: 1430	Received By: Kari-Ann Kyllin	Date: 4/6/18	Time: 1430
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Custody Seal: ☒ NA ☐ Intact ☐ Not Intact
Shipped Via: Walk In
Receipt Temp: 5.7°C
Thermometer #/ Exp. Date: 160142274 7/12/18
Temp Blank: ☒ Y ☐ N

Rev. 12/15

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

April 17, 2018

Jessica Esser
Pace Analytical Madison
2525 Advance Road
Madison, WI 53718

RE: Project: MADISON KIPP CORP.SEMI-ANNUAL
Pace Project No.: 40167158

Dear Jessica Esser:
Enclosed are the analytical results for sample(s) received by the laboratory on April 07, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: MADISON KIPP CORP.SEMI-ANNUAL
Pace Project No.: 40167158

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

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SAMPLE SUMMARY

Project: MADISON KIPP CORP.SEMI-ANNUAL
Pace Project No.: 40167158

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40167158001	**A181419-09**	Water	04/04/18 11:29	04/07/18 11:00
40167158002	**A181419-10**	Water	04/04/18 13:04	04/07/18 11:00
40167158003	**A181419-13**	Water	04/04/18 18:24	04/07/18 11:00
40167158004	**A181419-14**	Water	04/05/18 09:11	04/07/18 11:00
40167158005	**A181419-15**	Water	04/05/18 10:43	04/07/18 11:00
40167158006	**A181419-16**	Water	04/05/18 13:25	04/07/18 11:00
40167158007	**A181419-17**	Water	04/05/18 13:49	04/07/18 11:00
40167158008	**A181419-20**	Water	04/06/18 09:29	04/07/18 11:00
40167158009	**A181419-24**	Water	04/04/18 00:00	04/07/18 11:00
40167158010	**A181419-26**	Water	04/06/18 12:50	04/07/18 11:00

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SAMPLE ANALYTE COUNT

Project: MADISON KIPP CORP.SEMI-ANNUAL
Pace Project No.: 40167158

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40167158001	**A181419-09**	SM 2540C	TMK	1
		SM 2540D	KTS	1
40167158002	**A181419-10**	SM 2540C	TMK	1
		SM 2540D	KTS	1
40167158003	**A181419-13**	SM 2540C	TMK	1
		SM 2540D	KTS	1
40167158004	**A181419-14**	SM 2540C	TMK	1
		SM 2540D	KTS	1
40167158005	**A181419-15**	SM 2540C	TMK	1
		SM 2540D	KTS	1
40167158006	**A181419-16**	SM 2540C	TMK	1
		SM 2540D	KTS	1
40167158007	**A181419-17**	SM 2540C	TMK	1
		SM 2540D	KTS	1
40167158008	**A181419-20**	SM 2540C	TMK	1
		SM 2540D	KTS	1
40167158009	**A181419-24**	SM 2540C	TMK	1
		SM 2540D	KTS	1
40167158010	**A181419-26**	SM 2540C	TMK	1
		SM 2540D	KTS	1

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ANALYTICAL RESULTS

Project: MADISON KIPP CORP.SEMI-ANNUAL
Pace Project No.: 40167158

Sample: A181419-09 **Lab ID: 40167158001** Collected: 04/04/18 11:29 Received: 04/07/18 11:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**714**	mg/L	20.0	8.7	1		04/10/18 16:41		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**1.2J**	mg/L	2.0	0.95	1		04/10/18 10:08		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MADISON KIPP CORP.SEMI-ANNUAL
Pace Project No.: 40167158

Sample: A181419-10 **Lab ID: 40167158002** Collected: 04/04/18 13:04 Received: 04/07/18 11:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**2960**	mg/L	20.0	8.7	1		04/10/18 16:41		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**<0.95**	mg/L	2.0	0.95	1		04/10/18 10:08		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MADISON KIPP CORP.SEMI-ANNUAL
Pace Project No.: 40167158

Sample: A181419-13 **Lab ID: 40167158003** Collected: 04/04/18 18:24 Received: 04/07/18 11:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**3400**	mg/L	20.0	8.7	1		04/10/18 16:41		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**7.4**	mg/L	2.0	0.95	1		04/10/18 10:08		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MADISON KIPP CORP.SEMI-ANNUAL
Pace Project No.: 40167158

Sample: A181419-14 **Lab ID: 40167158004** Collected: 04/05/18 09:11 Received: 04/07/18 11:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**618**	mg/L	20.0	8.7	1		04/12/18 15:54		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**<0.95**	mg/L	2.0	0.95	1		04/10/18 10:08		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MADISON KIPP CORP.SEMI-ANNUAL
Pace Project No.: 40167158

Sample: A181419-15 **Lab ID: 40167158005** Collected: 04/05/18 10:43 Received: 04/07/18 11:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**976**	mg/L	20.0	8.7	1		04/12/18 15:54		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**2.0**	mg/L	2.0	0.95	1		04/10/18 10:08		

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ANALYTICAL RESULTS

Project: MADISON KIPP CORP.SEMI-ANNUAL
Pace Project No.: 40167158

Sample: A181419-16 **Lab ID: 40167158006** Collected: 04/05/18 13:25 Received: 04/07/18 11:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1650**	mg/L	20.0	8.7	1		04/12/18 15:54		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**<0.95**	mg/L	2.0	0.95	1		04/10/18 10:08		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MADISON KIPP CORP.SEMI-ANNUAL
Pace Project No.: 40167158

Sample: A181419-17 **Lab ID: 40167158007** Collected: 04/05/18 13:49 Received: 04/07/18 11:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**2300**	mg/L	20.0	8.7	1		04/12/18 15:55		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**1.2J**	mg/L	2.0	0.95	1		04/10/18 10:08		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MADISON KIPP CORP.SEMI-ANNUAL
Pace Project No.: 40167158

Sample: A181419-20 **Lab ID: 40167158008** Collected: 04/06/18 09:29 Received: 04/07/18 11:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1370**	mg/L	20.0	8.7	1		04/12/18 15:57		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**<0.95**	mg/L	2.0	0.95	1		04/10/18 10:08		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MADISON KIPP CORP.SEMI-ANNUAL
Pace Project No.: 40167158

Sample: A181419-24 **Lab ID: 40167158009** Collected: 04/04/18 00:00 Received: 04/07/18 11:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**2910**	mg/L	20.0	8.7	1		04/10/18 16:41		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**1.0J**	mg/L	2.0	0.95	1		04/10/18 10:08		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MADISON KIPP CORP.SEMI-ANNUAL
Pace Project No.: 40167158

Sample: A181419-26 **Lab ID: 40167158010** Collected: 04/06/18 12:50 Received: 04/07/18 11:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**<8.7**	mg/L	20.0	8.7	1		04/12/18 15:57		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**<0.95**	mg/L	2.0	0.95	1		04/10/18 10:08		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MADISON KIPP CORP.SEMI-ANNUAL
Pace Project No.: 40167158

QC Batch: 285658 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 40167158001, 40167158002, 40167158003, 40167158009

METHOD BLANK: 1671457 Matrix: Water
Associated Lab Samples: 40167158001, 40167158002, 40167158003, 40167158009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	04/10/18 16:39	

LABORATORY CONTROL SAMPLE: 1671458

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	610	552	90	80-120	

SAMPLE DUPLICATE: 1671459

Parameter	Units	40167158002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2960	2930	1	5	

SAMPLE DUPLICATE: 1671460

Parameter	Units	40167161003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	600	596	1	5	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MADISON KIPP CORP.SEMI-ANNUAL
Pace Project No.: 40167158

QC Batch: 285920 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 40167158004, 40167158005, 40167158006, 40167158007, 40167158008, 40167158010

METHOD BLANK: 1672601 Matrix: Water
Associated Lab Samples: 40167158004, 40167158005, 40167158006, 40167158007, 40167158008, 40167158010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	04/12/18 15:52	

LABORATORY CONTROL SAMPLE: 1672602

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	531	546	103	80-120	

SAMPLE DUPLICATE: 1672603

Parameter	Units	40167158006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1650	1670	1	5	

SAMPLE DUPLICATE: 1672604

Parameter	Units	40167161001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1050	1030	2	5	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MADISON KIPP CORP.SEMI-ANNUAL
Pace Project No.: 40167158

QC Batch: 285593 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 40167158001, 40167158002, 40167158003, 40167158004, 40167158005, 40167158006, 40167158007, 40167158008, 40167158009, 40167158010

METHOD BLANK: 1671142 Matrix: Water
Associated Lab Samples: 40167158001, 40167158002, 40167158003, 40167158004, 40167158005, 40167158006, 40167158007, 40167158008, 40167158009, 40167158010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	04/10/18 10:07	

LABORATORY CONTROL SAMPLE: 1671143

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	88.0	88	80-120	

SAMPLE DUPLICATE: 1671144

Parameter	Units	40167102002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	239	254	6	5	R1

SAMPLE DUPLICATE: 1671174

Parameter	Units	40167158006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	<0.95	<0.95		5	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: MADISON KIPP CORP.SEMI-ANNUAL
Pace Project No.: 40167158

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

R1 RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MADISON KIPP CORP.SEMI-ANNUAL
Pace Project No.: 40167158

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40167158001	**A181419-09**	SM 2540C	285658		
40167158002	**A181419-10**	SM 2540C	285658		
40167158003	**A181419-13**	SM 2540C	285658		
40167158004	**A181419-14**	SM 2540C	285920		
40167158005	**A181419-15**	SM 2540C	285920		
40167158006	**A181419-16**	SM 2540C	285920		
40167158007	**A181419-17**	SM 2540C	285920		
40167158008	**A181419-20**	SM 2540C	285920		
40167158009	**A181419-24**	SM 2540C	285658		
40167158010	**A181419-26**	SM 2540C	285920		
40167158001	**A181419-09**	SM 2540D	285593		
40167158002	**A181419-10**	SM 2540D	285593		
40167158003	**A181419-13**	SM 2540D	285593		
40167158004	**A181419-14**	SM 2540D	285593		
40167158005	**A181419-15**	SM 2540D	285593		
40167158006	**A181419-16**	SM 2540D	285593		
40167158007	**A181419-17**	SM 2540D	285593		
40167158008	**A181419-20**	SM 2540D	285593		
40167158009	**A181419-24**	SM 2540D	285593		
40167158010	**A181419-26**	SM 2540D	285593		

Pace Analytical®
ECCS Mobile Lab Services

SUBCONTRACT ORDER

Pace Analytical - Madison

A181419

40167158

SENDING LABORATORY:

Pace Analytical - Madison
2525 Advance Road
Madison, WI 53718
Phone: 608.221.8700
Fax: 608,221,4889
Project Manager: Jessica Esser

RECEIVING LABORATORY:

Pace Analytical
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone :(920) 469-2436
Fax: (920) 469-8827

Turn around Time: X Normal 4/20/18
_____ Rush

Project Name: Madison Kipp Corp. Semi-Annual Sampling

			Laboratory ID	Comments
001 **Lab ID: A181419-09**	**Water**	**Sampled: 04/04/2018 11:29**		
2540D - Suspended Solids Subcontracted Analysis - Pace *Containers Supplied:* 14_1000mL Plastic Cool t 14_250mL Plastic Cool to				Dissolved Solids, Total
002 **Lab ID: A181419-10**	**Water**	**Sampled: 04/04/2018 13:04**		
2540D - Suspended Solids Subcontracted Analysis - Pace *Containers Supplied:* 14_1000mL Plastic Cool t 14_250mL Plastic Cool to				Dissolved Solids, Total
003 **Lab ID: A181419-13**	**Water**	**Sampled: 04/04/2018 18:24**		
2540D - Suspended Solids Subcontracted Analysis - Pace *Containers Supplied:* 14_1000mL Plastic Cool t 14_250mL Plastic Cool to				Dissolved Solids, Total
004 **Lab ID: A181419-14**	**Water**	**Sampled: 04/05/2018 09:11**		
2540D - Suspended Solids Subcontracted Analysis - Pace *Containers Supplied:* 14_1000mL Plastic Cool t 14_250mL Plastic Cool to				Dissolved Solids, Total
005 **Lab ID: A181419-15**	**Water**	**Sampled: 04/05/2018 10:43**		
2540D - Suspended Solids Subcontracted Analysis - Pace *Containers Supplied:* 14_1000mL Plastic Cool t 14_250mL Plastic Cool to				Dissolved Solids, Total

GSM

Released By	Date	Received By	Date
Kari Ann Kiel	4/6/18 1600		
FedEx	4/7/18 1100	Katie Schroeder Pace	4/7/18 1100

40167158

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SUBCONTRACT ORDER

Pace Analytical - Madison

A181419

40167158

	Laboratory ID	Comments
006 **Lab ID: A181419-16** **Water** **Sampled: 04/05/2018 13:25**		
2540D - Suspended Solids Subcontracted Analysis - Pace *Containers Supplied:* 14_1000mL Plastic Cool t 14_250mL Plastic Cool to 14_1000mL Plastic Cool t 14_250mL Plastic Cool to		Dissolved Solids, Total
007 **Lab ID: A181419-17** **Water** **Sampled: 04/05/2018 13:49**		
2540D - Suspended Solids Subcontracted Analysis - Pace *Containers Supplied:* 14_1000mL Plastic Cool t 14_250mL Plastic Cool to 14_1000mL Plastic Cool t 14_250mL Plastic Cool to		Dissolved Solids, Total
008 **Lab ID: A181419-20** **Water** **Sampled: 04/06/2018 09:29**		
2540D - Suspended Solids Subcontracted Analysis - Pace *Containers Supplied:* 14_1000mL Plastic Cool t 14_250mL Plastic Cool to		Dissolved Solids, Total
009 **Lab ID: A181419-24** **Water** **Sampled: 04/04/2018 00:00**		
2540D - Suspended Solids Subcontracted Analysis - Pace *Containers Supplied:* 14_1000mL Plastic Cool t 14_250mL Plastic Cool to		Dissolved Solids, Total
① 010 A181419-26F	4/6/18 12:50	

① added by lab because included in shipment kit 4/7/18

Kari Ann Killen	4/6/18 1600		
Released By	Date	Received By	Date
FedEx	4/7/18 1100	Katie Schram Pace	4/7/18 1100
Released By	Date	Received By	Date

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: Pace Madison Project # 40167158

All containers needing preservation have been checked and noted below: □Yes □No ☒N/A Initial when completed: Date/ Time:

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001								1			1																					2.5 / 5 / 10
002								1			1																					2.5 / 5 / 10
003								1			1																					2.5 / 5 / 10
004								1			1																					2.5 / 5 / 10
005								1			1																					2.5 / 5 / 10
006								2			2																					2.5 / 5 / 10
007								2			2																					2.5 / 5 / 10
008								1			1																					2.5 / 5 / 10
009								1			1																					2.5 / 5 / 10
010								1			1																					2.5 / 5 / 10
011																																2.5 / 5 / 10
012																																2.5 / 5 / 10
013																																2.5 / 5 / 10
014																																2.5 / 5 / 10
015																																2.5 / 5 / 10
016																																2.5 / 5 / 10
017																																2.5 / 5 / 10
018																																2.5 / 5 / 10
019																																2.5 / 5 / 10
020																																2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : □Yes □No ☒N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical™ 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 31Jan2018
	Document No.: F-GB-C-031-rev.06	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: WO#: 40167158

40167158

Client Name: Pace Madison

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☐ Pace Other:

Tracking #: 6606011709907

Custody Seal on Cooler/Box Present: ☐ yes ☐ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☐ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - **Type of Ice:** Wet Blue Dry None ☐ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: /Corr:

Temp Blank Present: ☐ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents: Date: 4/7/18 Initials: KS

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2. 010 added by lab KS 4/7/18
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☐Yes ☐No ☑N/A	4. IRWO KS 4/7/18
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume: ☑Yes ☐No ☐N/A MS/MSD	☐Yes ☐No ☑N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. all IDs have a unique letter after them within each sample point KS 4/7/18
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☐Yes ☐No ☑N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: AL for DM **Date:** 4/7/18