

January 13, 2023

Mr. Luke Lampo
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, 2022 – June 30, 2022
Groundwater and Soil Vapor Extraction Treatment Systems & Rain Garden
Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin
Facility ID #113125320, WDNR BRRTS #02-13-558625 and #02-13-562649

Dear Mr. Lampo:

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) (Figure 1). Wisconsin Department of Natural Resources (WDNR) Form 4400-194 was completed per the requirements of NR 724.13(3). In addition, an update on work completed for the City of Madison's Rain Garden is included in this report. A comprehensive summary and discussion of the site will be included in the 2022 Annual Report which will be submitted in early 2023.

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

Approximately 8,861,524 gallons of groundwater were treated between January 1, 2022 and June 30, 2022. A GETS operation summary log for this reporting period is included in Table 1. Approximately 79 pounds of VOCs were removed between January 1 and June 30, 2022. 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.

The GETS system was shut down periodically for system maintenance and due to pump P-103 and P-200 operational issues. Pump P-103 was replaced on January 27, 2022, and the system was adjusted as needed. A new pump P-200 was ordered however, supply issues delayed the shipping and installation of the new pump.

GETS Monthly Discharge Monitoring Reports

TRC electronically submits monthly (long report) and quarterly (short report) Discharge Monitoring Reports (DMRs) through the WDNR Web Access Management System (WAMS) which is a requirement for the system operation and discharge permit (Wisconsin Pollution Discharge Elimination System Permit number WI-0046566-6). For performance monitoring and permit compliance, TRC

collects samples of the extracted groundwater (GETS influent) and treated groundwater (GETS effluent) on a quarterly basis, and after scheduled cleaning events. Table 2 provides the influent and effluent laboratory analytical results for this reporting period.

The DMR long reports are submitted monthly and include daily flow. Total suspended solids are analyzed for the influent and effluent if system cleaning is completed during that month. The DMR short reports are submitted on a quarterly basis following influent and effluent system monitoring for volatile organic compounds (VOCs) and select polycyclic aromatic hydrocarbons (PAHs). The DMRs for January through June 2022 were submitted electronically and a copy of the last submittal from the June 2022 monitoring event is included in Attachment 3. Laboratory analytical reports from the quarterly sampling events are included in Attachment 4.

GETS Semi-Annual Vapor Sampling

The GETS produces gases which are treated with granular activated carbon (GAC) for removal of vapor-phase VOCs. The GAC influent and GAC effluent gas are sampled on a semi-annual basis for performance and compliance monitoring. The first 2022 sample was collected on June 27, 2022 and an analytical summary table with influent and effluent results are included in Table 3. The laboratory analytical report is included in Attachment 4. An emission rate was calculated based on the effluent analytical results and system flow rate; and results were compared to NR 406 and NR 445 effluent emissions standards. No regulatory standards for effluent emissions from the system were exceeded. The influent gas (pre-carbon treatment) was analyzed for comparison to regulatory standards for comparison purposes, and the influent gas concentrations are below the established NR 445 and NR 406 emissions standards.

Soil Vapor Extraction System OM&M

MKC previously operated a SVE system for extraction and treatment of shallow soil vapor on the east-northeast portion of the Site (Figure 3). The system began long term operation in May 2013 and continued operation through October 2018. On October 25, 2018, the SVE system was shut down, as approved by the WDNR, to evaluate its effectiveness at the Site. A summary of the shutdown and soil gas monitoring completed was included in the Soil Vapor Extraction System Shut Down and Soil Gas Analytical Results discussion letter submitted to the WDNR on February 8, 2019 (TRC, 2019). Subsequent soil gas sampling was conducted in July and October of 2019 and a summary of the results was included in the January 1, 2019 – December 31, 2019 Madison-Kipp Corporation Groundwater, Soil Vapor, and Treatments Systems Report (TRC, 2020). TRC and MKC are in the process of evaluating historical site information and recent monitoring results and recommend a meeting with the WDNR to discuss the next steps in reference to onsite soil vapor extraction treatment operations.

Site Groundwater Monitoring

Water level gauging and groundwater sampling at the Site was conducted in April 2022 per the current WDNR-approved groundwater monitoring plan (Table 4). The other semi-annual site monitoring event is planned for October 2022. Both events will be documented and discussed in detail in the annual report for the site which will cover activities from January to December 2022.

Monitoring Well Network and Sampling Program

The Site contains 39 monitoring wells, 4 multi-port wells, and one 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 sandstone bedrock of the Lone Rock and Wonewoc Formations. The Wonewoc sandstone is underlain by siltstone of the Eau Claire Formation, which forms a regional aquitard.

Groundwater Flow Conditions

Water levels at 39 Site monitoring wells, one extraction well, and the 20 multi-port well intervals were gauged in April 2022. The most recent water table map and potentiometric surface maps for the site, were included in the 2021 Operation, Monitoring, and Maintenance Annual Report (TRC, 2022). Data for 2022 in water table and potentiometric surface maps will be included in the 2022 Operation, Monitoring, and Maintenance Annual Report.

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 Attachment 5. Table 5 shows results from the two latest sampling events and the laboratory analytical report for April 2022 monitoring event is included in Attachment 6. A time versus concentration plot for the monitoring well with the highest tetrachloroethene concentrations is included in Trend Plot A.3 in Attachment 1. The 2022 annual report will include further discussion of the site groundwater monitoring, including the April and October sampling results.

Rain Garden Semi-Annual Sampling

TRC completes sediment sampling and surface water sampling from the Rain Garden consistent with the December 4, 2018, Rain Garden – 2018 Sediment Monitoring (BRRS #02-13-562649) letter (TRC, 2018) and Section D Part 2 of the April 2, 2019, U.S. Environmental Protection Agency TSCA PCB Coordinated Approval. On April 29, 2022, sediment samples were collected from manhole MH-1A and the Outfall point into the rain garden and one water sample was collected from the outfall area. All samples were analyzed for PCBs. Figure 4 shows the location of the sample points, Table 7 includes a summary of the sediment samples collected to date, and Attachment 7 includes the laboratory analytical report for the sediment and water samples collected.

- The April 29, 2022 sample collected from manhole MH-1A was below the NR 720 industrial direct contact residual contaminant levels (RCLs, 0.967 mg/kg). The sediment observed within MH-1A was primarily coarse grain material with some fines and organics.
- The Outfall sediment sample from April 29, 2022 was below the NR 720 Industrial Direct Contact RCL for total PCBs (0.967 mg/kg). Sediment accumulation within the Outfall generally consisted of fine grain material with some organics.
- No PCB aroclors analyzed were detected above the laboratory method detection limits for the water sample collected from the Outfall.

Conclusions/Recommendations

The OM&M activities for the GETS were completed as required at the Site during this reporting period. The system operated continuously throughout this reporting period, with the exception of shut-downs due to routine maintenance and equipment repairs/replacements.

Site groundwater monitoring was completed in April 2022. The second semi-annual groundwater monitoring event is planned for October 2022. Water table, potentiometric surface, and isoconcentration maps and a discussion on groundwater quality will be included in the 2022 Annual Report.

The last round of soil gas monitoring was completed in 2019 and results were discussed in the 2019 Operation, Monitoring, and Maintenance Annual Report (TRC, 2020). TRC recommends conducting a meeting between the WDNR, MKC, and TRC to discuss the future operations of the SVE system.

The first semi-annual sediment and stormwater monitoring for the Rain Garden (BRRTS #02-13-562649) was completed and no exceedances of the NR 720 RCL industrial direct contact for total PCBs were detected in the samples. MKC will continue to monitor sediment and surface water on semi-annual basis.

Based on the results of the January through June 2022 OM&M, the following work is planned for the remainder of the 2022 calendar year:

- GETS operation
- SVE evaluation/WDNR meeting
- GETS compliance monitoring
- Groundwater monitoring (October 2022)
- Annual report preparation
- Second semi-annual sampling event for the rain garden

If you have any questions or comments related to this report, please contact Andrew Stehn (608-807-8112) or Katherine Vater (608-826-3663) of TRC.

Sincerely,

TRC



Andrew Stehn, P.E.
Senior Project Engineer



Katherine Vater, P.E.
Project Manger

cc: Mahlek Hamdan – MKC (electronic)
Regional PCB Coordinator – U.S. EPA (electronic)
Luke Lampo – WDNR (electronic)



References

- TRC Environmental Corporation. 2018. Rain Garden – 2018 Sediment Monitoring (BRRTS #02-13-562649), Madison-Kipp Corporation, Madison, Wisconsin. December 4, 2018.
- TRC Environmental Corporation. 2019. Update on Soil Vapor Extraction System Shut Down and Soil Gas Analytical Results, Madison-Kipp Corporation, Madison, Wisconsin. February 9, 2019.
- TRC Environmental Corporation. 2020. Operations, Monitoring, and Maintenance Annual Report – January 1, 2019 – December 31, 2019, Madison-Kipp Corporation Groundwater and Soil Vapor Extraction Treatment Systems. April 7, 2020.
- TRC Environmental Corporation. 2021. Operations. Monitoring, and Maintenance Annual Report – January 1, 2020 – December 31, 2020, Madison-Kipp Corporation Groundwater and Soil Vapor Extraction Treatment Systems. June 25, 2021.

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Table 1: Summary of Groundwater Extraction System Operation and Mass Removal - January - June 2022

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),(6)} (gpm)	Influent Sample Results ⁽³⁾	Effluent Sample Results ⁽³⁾	Cumulative VOCs Removed ^{(1),(4)} (pounds)	Comments
						VOCs (µg/L)	VOCs (µg/L)		
1/7/2022	1/7/2022 13:08	504,481	122,008,143	46,065	32	NS	NS	1650	
1/14/2022	1/14/2022 13:49	323,753	122,331,896	46,063	32	NS	NS	1660	
1/17/2022	1/17/2022 13:48	138,248	122,470,144	46,093	32	NS	NS	1660	
1/24/2022	1/24/2022 16:35	307,423	122,777,567	43,202	30	NS	NS	1660	
1/27/2022	1/27/2022 16:01	117,640	122,895,207	39,524	27	NS	NS	1660	Pump P-103 replaced
2/1/2022	2/1/2022 14:05	53,918	122,949,125	10,960	8	NS	NS	1660	
2/3/2022	2/3/2022 9:50	86,042	123,035,167	47,200	33	NS	NS	1660	
2/15/2022	2/15/2022 11:11	626,751	123,661,918	51,986	36	NS	NS	1670	
2/25/2022	2/25/2022 7:56	567,801	124,229,719	57,560	40	NS	NS	1670	
3/4/2022	3/4/2022 11:32	411,498	124,641,217	57,552	40	1011	8.9	1680	
3/16/2022	3/16/2022 13:38	693,264	125,334,481	57,354	40	NS	NS	1680	
3/21/2022	3/21/2022 11:32	282,847	125,617,328	57,577	40	NS	NS	1690	
4/1/2022	4/1/2022 14:53	640,798	126,258,126	57,524	40	NS	NS	1690	
4/15/2022	4/15/2022 15:47	792,907	127,051,033	56,485	39	NS	NS	1700	
4/21/2022	4/21/2022 15:35	309,430	127,360,463	51,643	36	NS	NS	1700	
4/26/2022	4/26/2022 12:03	265,055	127,625,518	54,619	38	NS	NS	1700	
5/6/2022	5/6/2022 13:14	505,787	128,131,305	50,331	35	NS	NS	1710	
5/11/2022	5/11/2022 11:49	248,593	128,379,898	50,313	35	NS	NS	1710	
5/19/2022	5/19/2022 8:32	395,475	128,775,373	50,294	35	NS	NS	1710	
5/25/2022	5/25/2022 9:32	303,932	129,079,305	50,306	35	NS	NS	1710	
6/9/2022	6/9/2022 12:40	761,117	129,840,422	50,303	35	1225	5.02	1720	
6/17/2022	6/17/2022 10:52	307,799	130,148,221	38,839	27	NS	NS	1730	
6/23/2022	6/23/2022 13:06	139,685	130,287,906	22,925	16	NS	NS	1730	
6/27/2022	6/27/2022 14:25	213,477	130,501,383	52,647	37	NS	NS	1730	

Notes:

-- = 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

GETS - Groundwater Extraction and Treatment System

Updated By: B. Wachholz 8/30/2022

Checked By: A. Stehn 1/10/2023

Footnotes:

⁽¹⁾ The total gallons treated and VOCs removed by the GETS prior to January 2022 are included in the 2021 Annual Report and reports referenced therein.

⁽²⁾ 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 for sampling completed between January and June 2022 are included in Attachment 4 of the January to June 2022 Semi-annual Report (TRC, January 2023).

⁽⁴⁾ Compliance sampling starting in 2019 is completed on a quarterly basis, prior to 2019 sampling was 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.

⁽⁶⁾ The soil vapor extraction system was temporarily shutdown on October 25, 2018 for evaluation purposes. Based on the shutdown, the GETS operation flow rate was adjusted to 40 GPM. During the January to June 2022 reporting period, the operation flow rate was adjusted to as needed based on operational limitations with transfer pumps P-103 and P-200.

Table 2: GETS WPDES Compliance Sample Results - January - June 2022
Madison-Kipp Corporation
201 Waubesa Street, Madison, Wisconsin

Parameter ⁽³⁾	Permit Discharge Limits	Unit	Location Sample Date											
			Influent 2/7/2022	Effluent 2/7/2022	Influent 3/4/2022	Effluent 3/4/2022	Influent 4/21/2022	Effluent 4/21/2022	Influent 6/9/2022	Effluent 6/9/2022	Influent 6/23/2022	Effluent 6/23/2022	Influent 9/12/2022	Effluent 9/12/2022
Miscellaneous														
Total Suspended Solids	40	mg/L	<0.95	<0.95	--	--	<0.95	<0.95	0.52 J	0.54 J	0.51 J	0.53 J	<0.48	<0.48
VOCs														
1,1,1-Trichloroethane	50	µg/L	--	--	<6.1	<0.30	--	--	<6.1	<0.30	--	--	<6.1	<0.30
1,1,2,2-Tetrachloroethane	50	µg/L	--	--	<7.6	<0.38	--	--	<7.6	<0.38	--	--	<7.6	<0.38
1,1,2-Trichloroethane	50	µg/L	--	--	<6.9	<0.34	--	--	<6.9	<0.34	--	--	<6.9	<0.34
1,1-Dichloroethene	50	µg/L	--	--	<11.6	<0.58	--	--	<11.6	<0.58	--	--	<11.6	<0.58
1,2-Dichloroethane	180	µg/L	--	--	<5.8	<0.29	--	--	<5.8	<0.29	--	--	<5.8	<0.29
Benzene	50	µg/L	--	--	<5.9	<0.30	--	--	<5.9	<0.30	--	--	<5.9	<0.30
Bromodichloromethane	120	µg/L	--	--	<8.3	<0.42	--	--	<8.3	<0.42	--	--	<8.3	<0.42
Bromoform	120	µg/L	--	--	<76.0	<3.8	--	--	<76.0	<3.8	--	--	<76.0	<3.8
Bromomethane	NE	µg/L	--	--	<23.8	<1.2	--	--	<23.8	<1.2	--	--	<23.8	<1.2
Carbon Tetrachloride	150	µg/L	--	--	<7.4	<0.37	--	--	<7.4	<0.37	--	--	<7.4	<0.37
cis-1,2-Dichloroethene	NE	µg/L	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	NE	µg/L	--	--	<32.7	<1.6	--	--	<32.7	<1.6	--	--	<1.6	<1.6
Ethylbenzene	NE	µg/L	--	--	<6.5	<0.33	--	--	<6.5	<0.33	--	--	<0.33	<0.33
Tetrachloroethene	50	µg/L	--	--	905	7.5	--	--	1110	4.2	--	--	703	3.3
Toluene	NE	µg/L	--	--	<5.8	<0.29	--	--	<5.8	<0.29	--	--	<0.29	0.35 J
Total Xylenes	NE	µg/L	--	--	<21.0	<1.0	--	--	<21.0	<1.0	--	--	<1.0	0.81 J
trans-1,2-Dichloroethene	NE	µg/L	--	--	--	--	--	--	--	--	--	--	--	<0.17
Trichloroethene	50	µg/L	--	--	106	1.4	--	--	115	0.82 J	--	--	118	<1.0
Vinyl Chloride	10	µg/L	--	--	<3.5	<0.17	--	--	<3.5	<0.17	--	--	1.1	
Total BTEX ⁽¹⁾	750	µg/L	--	--	<21.0	<1.0	--	--	<21.0	<1.0	--	--	<21.0	4.1 J
Total VOCs (includes BTEX)	NE	µg/L	--	--	1011	8.9	--	--	1225	5.0	--	--	822.1	4.46 J
PAHs														
Benzo(a)anthracene	NE	µg/L	--	--	<0.013	<0.014	--	--	<0.015	<0.013	--	--	<0.014	<0.014
Benzo(a)pyrene	0.1	µg/L	--	--	<0.019	<0.019	--	--	<0.021	<0.019	--	--	<0.013	<0.013
Benzo(b)fluoranthene	NE	µg/L	--	--	<0.019	<0.019	--	--	<0.021	<0.018	--	--	<0.0091	<0.0094
Benzo(g,h,i)perylene	NE	µg/L	--	--	<0.022	<0.023	--	--	<0.025	<0.022	--	--	<0.023	<0.024
Benzo(k)fluoranthene	NE	µg/L	--	--	<0.021	<0.022	--	--	<0.024	<0.021	--	--	<0.022	<0.023
Chrysene	NE	µg/L	--	--	<0.025	<0.026	--	--	<0.029	<0.025	--	--	<0.013	<0.013
Dibenzo(a,h)anthracene	NE	µg/L	--	--	<0.017	<0.018	--	--	<0.019	<0.017	--	--	<0.018	<0.018
Fluoranthene	NE	µg/L	--	--	<0.025	<0.026	--	--	<0.028	<0.025	--	--	<0.026	<0.027
Indeno(1,2,3-cd)pyrene	NE	µg/L	--	--	<0.015	<0.015	--	--	<0.017	<0.015	--	--	<0.015	<0.016
Naphthalene	70	µg/L	--	--	<0.019	<0.020	--	--	<0.021	<0.019	--	--	<0.020	<0.020
Phenanthrene	NE	µg/L	--	--	<0.024	<0.025	--	--	<0.028	<0.024	--	--	<0.026	0.076
Pyrene	NE	µg/L	--	--	<0.022	<0.022	--	--	<0.024	<0.021	--	--	<0.023	<0.023
PAHs Group of 10 Total ⁽²⁾	0.1	µg/L	--	--	<0.025	<0.026	--	--	<0.029	<0.025	--	--	<0.025	0.076

Notes:
< = Less than
µg/L = Micrograms per liter
mg/L = Milligrams per liter
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
TSS = Total Suspended Solids

Updated by: B. Wachholz 8/31/2022
Checked by: A. Stehn 1/10/2023

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, 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⁾ Following WDNR approval, compliance monitoring parameters and frequency were adjusted in 2019. VOCs and PAHs are monitored on a quarterly basis and TSS is monitored on a periodic basis based on system cleaning.

Table 3: GETS Gas Analytical Data - June 2021 - June 2022
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Sample Date	6/16/2021		12/27/2021		6/27/2022	
Sample Location	Influent	Effluent	Influent	Effluent	Influent	Effluent
Vinyl Chloride	<9.4	6.8	<7.6	<10	<10	3.6
1,1-Dichloroethene	<9.4	<0.97	<7.6	<10	<10	<1.1
cis-1,2-Dichloroethene	720	220	560	440	610	89
Benzene	<9.4	<0.97	<7.6	<10	<10	<1.1
Trichloroethene	410	24	280	770	320	16
Toluene	<9.4	<0.97	<7.6	<10	<10	2.3
Tetrachloroethene	2600	94	1700	2200	2400	200
Ethyl Benzene	<9.4	<0.97	<7.6	<10	<10	<1.1
m,p-Xylene	<9.4	<0.97	<7.6	<10	<10	<1.1
o-Xylene	<9.4	<0.97	<7.6	<10	<10	<1.1
1,3,5-Trimethylbenzene	<9.4	<0.97	<7.6	<10	<10	<1.1
1,2,4-Trimethylbenzene	<9.4	<0.97	<7.6	<10	<10	<1.1

Notes:

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.

The SVE system was shut down in October 2018 for evaluation purposes. Results summarized between November 2018 and June 2022 are representative of the GETS gas concentrations only.

Bold = Constituent detected above laboratory detection limit.

SVE = Soil vapor extraction

GETS = Groundwater extraction and treatment system

ppbv = parts per billion by volume

VOCs = Volatile Organic Compounds

Updated by: B. Wachholz 9/1/2022

Checked by: C. Frauen 1/10/2023

Table 4: Groundwater Monitoring Plan - 2022
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Well/ Point ID	Bedrock Unit	Screened Interval (ft bgs)	October Gauging	April VOC Sampling	April PCB Sampling	October VOC Sampling	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	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		x	NA
MW-4D	Upper Lone Rock	65-70	x		x		x	NA
MW-4D2	Lower Lone Rock	91-96	x	x		x		Bladder
MW-5S	Upper Lone Rock	34-44	x		x	x	x	Peristaltic
MW-5D	Upper 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	x	Bladder
MW-6D	Upper 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		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						Well abandoned on October 24, 2018
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		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	x	Peristaltic
MW-29S	Unconsolidated	24-34	x		x		x	Peristaltic
MW-29D	Upper Lone Rock	45-50	x		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
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

Table 4: Groundwater Monitoring Plan - 2022
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Well/ Point ID	Bedrock Unit	Screened Interval (ft bgs)	October Gauging	April VOC Sampling	April PCB Sampling	October VOC Sampling	October PCB Sampling	Pump Type
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:			55	15	10	40	10	

Notes:

* = The GWE-1 influent sample results from quarterly performance monitoring will be used.

Table 5: Groundwater Analytical Results Summary
 Madison-Kipp Corporation
 Madison, Wisconsin

WELL ID	SCREEN INTERVAL (feet bgs)	PREVENTIVE ACTION LIMIT	ENFORCEMENT STANDARD	MW-1 14 - 24 ft 10/18/2021	MW-2D 39 - 44 ft 10/15/2021	MW-2D 39 - 44 ft 04/28/2022	MW-3S 19 - 29 ft 10/19/2021	MW-3S ³ 19 - 29 ft 10/19/2021	MW-3D 48 - 53 ft 10/19/2021	MW-3D 48 - 53 ft 04/26/2022	MW-3D ³ 48 - 53 ft 04/26/2022	MW-3D2 76 - 81 ft 10/19/2021	MW-3D2 ² 76 - 81 ft 10/19/2021	MW-3D2 76 - 81 ft 04/26/2022	MW-3D3 214 - 224 ft 10/19/2021	MW-4S 35 - 50 ft 10/15/2021	MW-4S 35 - 50 ft 04/25/2022	MW-4D 65 - 70 ft 10/15/2021	MW-4D2 91 - 96 ft 10/15/2021	MW-4D2 91 - 96 ft 04/25/2022	MW-4D2 ² 91 - 96 ft 04/25/2022	MW-5S 34 - 44 ft 10/14/2021	MW-5S ³ 34 - 44 ft 10/14/2021	MW-5S 34 - 44 ft 04/21/2022
VOCs																								
1,1,1,2-Tetrachloroethane	7	70	< 0.36	< 0.36	< 0.36	< 1.8	< 1.8	< 3.6	< 3.6	< 3.6	< 1.8	< 3.6	< 1.8	< 0.36	NA	NA	NA	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	NA
1,1,1-Trichloroethane	40	200	< 0.30	< 0.30	< 0.30	< 1.5	< 1.5	< 3.0	< 3.0	< 3.0	< 1.5	< 3.0	< 1.5	< 0.30	NA	NA	NA	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	NA
1,1,2-Trichloroethane	0.5	5	< 0.34	< 0.34	< 0.34	< 1.7	< 1.7	< 3.4	< 3.4	< 3.4	< 1.7	< 3.4	< 1.7	< 0.34	NA	NA	NA	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	NA
1,1-Dichloroethane	0.7	7	< 0.58	< 0.58	< 0.58	< 2.9	< 2.9	< 5.8	< 5.8	< 5.8	< 2.9	< 5.8	< 2.9	< 0.58	NA	NA	NA	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	NA
1,2,4-Trimethylbenzene	96	480	< 0.45	< 0.45	< 0.45	< 2.2	< 2.2	< 4.5	< 4.5	< 4.5	< 2.2	< 4.5	< 2.2	< 0.45	NA	NA	NA	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	NA
1,2-Dibromoethane	0.005	0.05	< 0.31	< 0.31	< 0.31	< 1.5	< 1.5	< 3.1	< 3.1	< 3.1	< 1.5	< 3.1	< 1.5	< 0.31	NA	NA	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA
1,2-Dichlorobenzene	60	600	< 0.33	< 0.33	< 0.33	< 1.6	< 1.6	< 3.3	< 3.3	< 3.3	< 1.6	< 3.3	< 1.6	< 0.33	NA	NA	NA	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	NA
1,2-Dichloroethane	0.5	5	< 0.29	< 0.29	< 0.29	< 1.5	< 1.5	< 2.9	< 2.9	< 2.9	< 1.5	< 2.9	< 1.5	< 0.29	NA	NA	NA	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	NA
1,2-Dichloropropane	0.5	5	< 0.45	< 0.45	< 0.45	< 2.2	< 2.2	< 4.5	< 4.5	< 4.5	< 2.2	< 4.5	< 2.2	< 0.45	NA	NA	NA	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	NA
1,2,3-Trichlorobenzene	NE	NE	< 1.0	< 1.0	< 1.0	< 5.1	< 5.1	< 10.2	< 10.2	< 10.2	< 5.1	< 10.2	< 5.1	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
1,2,4-Trichlorobenzene	14	70	< 0.95	< 0.95	< 0.95	< 4.8	< 4.8	< 9.5	< 9.5	< 9.5	< 4.8	< 9.5	< 4.8	< 0.95	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	NA
1,3,5-Trimethylbenzene	96	480	< 0.36	< 0.36	< 0.36	< 1.8	< 1.8	< 3.6	< 3.6	< 3.6	< 1.8	< 3.6	< 1.8	< 0.36	NA	NA	NA	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	NA
2-Butanone	800	4000	< 6.5	< 6.5	< 6.5	< 32.6	< 32.6	< 65.2	< 65.2	< 65.2	< 32.6	< 65.2	< 32.6	< 6.5	NA	NA	NA	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	NA
2-Hexanone	NE	NE	< 6.3	< 6.3	< 6.3	< 31.4	< 31.4	< 62.8	< 62.8	< 62.8	< 31.4	< 62.8	< 31.4	< 6.3	NA	NA	NA	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	NA
4-Methyl-2-pentanone	50	500	< 6.0	< 6.0	< 6.0	< 29.8	< 29.8	< 59.5	< 59.5	< 59.5	< 29.8	< 59.5	< 29.8	< 6.0	NA	NA	NA	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	NA
Acetone	1800	9000	< 8.6	< 8.6	< 8.6	< 43.2	< 43.2	< 86.4	< 86.4	< 86.4	< 43.2	< 86.4	< 43.2	< 8.6	NA	NA	NA	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6	NA
Benzene	0.5	5	< 0.30	< 0.30	< 0.30	< 1.5	< 1.5	< 3.0	< 3.0	< 3.0	< 1.5	< 3.0	< 1.5	< 0.30	NA	NA	NA	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	NA
Bromodichloromethane	0.06	0.6	< 0.42	< 0.42	< 0.42	< 2.1	< 2.1	< 4.2	< 4.2	< 4.2	< 2.1	< 4.2	< 2.1	< 0.42	NA	NA	NA	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	NA
Bromoform	0.44	4.4	< 3.8	< 3.8	< 3.8	< 19.0	< 19.0	< 38.0	< 38.0	< 38.0	< 19.0	< 38.0	< 19.0	< 3.8	NA	NA	NA	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	NA
Bromomethane	1	10	< 1.2	< 1.2	< 1.2	< 6.0	< 6.0	< 11.9	< 11.9	< 11.9	< 6.0	< 11.9	< 6.0	< 1.2	NA	NA	NA	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	NA
Carbon disulfide	200	1000	< 1.1	< 1.1	< 1.1	< 5.5	< 5.5	< 11.0	< 11.0	< 11.0	< 5.5	< 11.0	< 5.5	< 1.1	NA	NA	NA	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	NA
Carbon tetrachloride	0.5	5	< 0.37	< 0.37	< 0.37	< 1.8	< 1.8	< 3.7	< 3.7	< 3.7	< 1.8	< 3.7	< 1.8	< 0.37	NA	NA	NA	< 0.37	< 0.37	< 0.37	< 0.37	0.78 J	0.77 J	NA
Chloroethane	80	400	< 1.4	< 1.4	5.4	< 6.9	< 6.9	< 13.8	< 13.8	< 13.8	< 6.9	< 13.8	< 6.9	< 1.4	NA	NA	NA	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	NA
Chloroform	0.6	6	< 1.2	< 1.2	< 1.2	< 5.9	< 5.9	< 11.8	< 11.8	< 11.8	< 5.9	< 11.8	< 5.9	< 1.2	NA	NA	NA	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	NA
Chloromethane	3	30	< 1.6	< 1.6	< 1.6	< 8.2	< 8.2	< 16.4	< 16.4	< 16.4	< 8.2	< 16.4	< 8.2	< 1.6	NA	NA	NA	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA
cis-1,2-Dichloroethene	7	70	13.0 J	< 0.47 J	< 0.47	9.1 J	9.3 J	44.3 J	36.7	31.2	19.9 J	23.9 J	18.8	< 0.47 J	NA	NA	NA	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	NA
Dichlorodifluoromethane	200	1000	< 0.46	< 0.46	< 0.46	< 2.3	< 2.3	< 4.6	< 4.6	< 4.6	< 2.3	< 4.6	< 2.3	< 0.46	NA	NA	NA	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	NA
Ethylbenzene	140	700	< 0.33	< 0.33	< 0.33	< 1.6	< 1.6	< 3.3	< 3.3	< 3.3	< 1.6	< 3.3	< 1.6	< 0.33	NA	NA	NA	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	NA
Isopropylbenzene	NE	NE	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 10.0	< 10.0	< 10.0	< 5.0	< 10.0	< 5.0	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
m,p-Xylene	400	2000	< 0.70	< 0.70	< 0.70	< 3.5	< 3.5	< 7.0	< 7.0	< 7.0	< 3.5	< 7.0	< 3.5	< 0.70	NA	NA	NA	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	NA
Methyl tert-butyl ether	12	60	< 1.1 J	< 1.1 J	< 1.1	< 5.6 J	< 5.6 J	< 11.3 J	< 11.3	< 11.3	< 5.6 J	< 11.3 J	< 5.6	< 1.1 J	NA	NA	NA	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	NA
Methylene chloride	0.5	5	< 0.32	< 0.32	< 0.32	< 1.6	< 1.6	< 3.2	< 3.2	4.4 J	< 1.6	< 3.2	< 1.6	< 0.32	NA	NA	NA	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	NA
Naphthalene	10	100	< 1.1	< 1.1	< 1.1	< 5.6	< 5.6	< 11.3	< 11.3	< 11.3	< 5.6	< 11.3	< 5.6	< 1.1	NA	NA	NA	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	NA
n-Butylbenzene	NE	NE	< 0.86	< 0.86	< 0.86	< 4.3	< 4.3	< 8.6	< 8.6	< 8.6	< 4.3	< 8.6	< 4.3	< 0.86	NA	NA	NA	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	NA
n-Hexane	120	600	< 1.5	< 1.5	< 1.5	< 7.3	< 7.3	< 14.6	< 14.6	< 14.6	< 7.3	< 14.6	< 7.3	< 1.5	NA	NA	NA	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	NA
n-Propylbenzene	NE	NE	< 0.35	< 0.35	< 0.35	< 1.7	< 1.7	< 3.5	< 3.5	< 3.5	< 1.7	< 3.5	< 1.7	< 0.35	NA	NA	NA	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	NA
o-Xylene	400	2000	< 0.35	< 0.35	< 0.35	< 1.7	< 1.7	< 3.5	< 3.5	< 3.5	< 1.7	< 3.5	< 1.7	< 0.35	NA	NA	NA	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	NA
p-Isopropyltoluene	NE	NE	< 1.0	< 1.0	< 1.0	< 5.2	< 5.2	< 10.4	< 10.4	< 10.4	< 5.2	< 10.4	< 5.2	< 1.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
sec-Butylbenzene	NE	NE	< 0.42	< 0.42	< 0.42	< 2.1	< 2.1	< 4.2	< 4.2	< 4.2	< 2.1	< 4.2	< 2.1	< 0.42	NA	NA	NA	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	NA
Styrene	10	100	< 0.36	< 0.36	< 0.36	< 1.8	< 1.8	< 3.6	< 3.6	< 3.6	< 1.8	< 3.6	< 1.8	< 0.36	NA	NA	NA	< 0.36	< 0.36	< 0.36				

Table 5: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID	SCREEN INTERVAL (feet bgs)	PREVENTIVE ACTION LIMIT	ENFORCEMENT STANDARD	MW-5D 75 - 80 ft 10/15/2021	MW-5D 75 - 80 ft 04/21/2022	MW-5D2 165.8 - 170.8 ft 10/15/2021	MW-5D2 165.8 - 170.8 ft 04/21/2022	MW-5D3 225 - 235 ft 10/14/2021	MW-5D3 225 - 235 ft 04/21/2022	MW-6S 31.4 - 41.4 ft 10/14/2021	MW-6S 31.4 - 41.4 ft 04/25/2022	MW-6D 65.5 - 70.5 ft 10/14/2021	MW-6D 65.5 - 70.5 ft 04/25/2022	MW-9D 44 - 49 ft 10/18/2021	MW-9D2 64 - 69 ft 10/18/2021	MW-9D2 ² 64 - 69 ft 10/18/2021	MW-9D2 64 - 69 ft 04/26/2022	MW-11S 24 - 34 ft 10/18/2021	MW-11S 24 - 34 ft 04/26/2022	MP-13 44 - 48 ft 10/11/2021	MP-13 67 - 71 ft 10/11/2021	MP-13 81 - 85 ft 10/11/2021	MP-13 102 - 106 ft 10/11/2021	MP-13 121 - 125 ft 10/11/2021
VOCs																								
1,1,1,2-Tetrachloroethane	7	70	< 3.6	< 1.8	< 8.9	< 8.9	< 0.36	< 0.36	< 0.36	NA	< 3.6	< 3.6	< 0.36	< 0.36	< 0.36	< 0.71	NA	NA	< 0.36	< 0.36	< 0.36	< 3.6	< 3.6	
1,1,1-Trichloroethane	40	200	< 3.0	< 1.5	< 7.6	< 7.6	< 0.30	< 0.30	< 0.30	NA	< 3.0	< 3.0	< 0.30	< 0.30	< 0.30	< 0.61	NA	NA	< 0.30	< 0.30	< 0.30	< 3.0	< 3.0	
1,1,2-Trichloroethane	0.5	5	< 3.4	< 1.7	< 8.6	< 8.6	< 0.34	< 0.34	< 0.34	NA	< 3.4	< 3.4	< 0.34	< 0.34	< 0.34	< 0.69	NA	NA	< 0.34	< 0.34	< 0.34	< 3.4	< 3.4	
1,1-Dichloroethane	0.7	7	< 5.8	< 2.9	< 14.6	< 14.6	< 0.58	< 0.58	< 0.58	NA	< 5.8	< 5.8	< 0.58	< 0.58	< 0.58	< 1.2	NA	NA	< 0.58	< 0.58	< 0.58	< 5.8	< 5.8	
1,2,4-Trimethylbenzene	96	480	< 4.5	< 2.2	< 11.2	< 11.2	< 0.45	< 0.45	< 0.45	NA	4.9 J	< 4.5	< 0.45	< 0.45	< 0.45	< 0.90	NA	NA	< 0.45	< 0.45	< 0.45	< 4.5	< 4.5	
1,2-Dibromoethane	0.005	0.05	< 3.1	< 1.5	< 7.7	< 7.7	< 0.31	< 0.31	< 0.31	NA	< 3.1	< 3.1	< 0.31	< 0.31	< 0.31	< 0.62	NA	NA	< 0.31	< 0.31	< 0.31	< 3.1	< 3.1	
1,2-Dichlorobenzene	60	600	< 3.3	< 1.6	< 8.1	< 8.1	< 0.33	< 0.33	< 0.33	NA	< 3.3	< 3.3	< 0.33	< 0.33	< 0.33	< 0.65	NA	NA	< 0.33	< 0.33	< 0.33	< 3.3	< 3.3	
1,2-Dichloroethane	0.5	5	< 2.9	< 1.5	< 7.3	< 7.3	< 0.29	< 0.29	< 0.29	NA	< 2.9	< 2.9	< 0.29	< 0.29	< 0.29	< 0.58	NA	NA	< 0.29	< 0.29	< 0.29	< 2.9	< 2.9	
1,2-Dichloropropane	0.5	5	< 4.5	< 2.2	< 11.2	< 11.2	< 0.45	< 0.45	< 0.45	NA	< 4.5	< 4.5	< 0.45	< 0.45	< 0.45	< 0.90	NA	NA	< 0.45	< 0.45	< 0.45	< 4.5	< 4.5	
1,2,3-Trichlorobenzene	NE	NE	< 10.2	< 5.1	< 25.5	< 25.5	< 1.0	< 1.0	< 1.0	NA	< 10.2	< 10.2	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	< 1.0	< 1.0	< 1.0	< 10.2	< 10.2	
1,2,4-Trichlorobenzene	14	70	< 9.5	< 4.8	< 23.8	< 23.8	< 0.95	< 0.95	< 0.95	NA	< 9.5	< 9.5	< 0.95	< 0.95	< 0.95	< 1.9	NA	NA	< 0.95	< 0.95	< 0.95	< 9.5	< 9.5	
1,3,5-Trimethylbenzene	96	480	< 3.6	< 1.8	< 8.9	< 8.9	< 0.36	< 0.36	< 0.36	NA	< 3.6	< 3.6	< 0.36	< 0.36	< 0.36	< 0.71	NA	NA	< 0.36	< 0.36	< 0.36	< 3.6	< 3.6	
2-Butanone	800	4000	< 65.2	< 32.6	< 163	< 163	< 6.5	< 6.5	< 6.5	NA	< 65.2	< 65.2	< 6.5	< 6.5	< 6.5	< 13.0	NA	NA	< 6.5	< 6.5	< 6.5	< 65.2	< 65.2	
2-Hexanone	NE	NE	NA	< 31.4	< 157	< 157	< 6.3	< 6.3	< 6.3	NA	< 62.8	< 62.8	< 6.3	< 6.3	< 6.3	< 12.6	NA	NA	< 6.3	< 6.3	< 6.3	< 62.8	< 62.8	
4-Methyl-2-pentanone	50	500	< 59.5	< 29.8	< 149	< 149	< 6.0	< 6.0	< 6.0	NA	< 59.5	< 59.5	< 6.0	< 6.0	< 6.0	< 11.9	NA	NA	< 6.0	< 6.0	< 6.0	< 59.5	< 59.5	
Acetone	1800	9000	< 86.4	< 43.2	< 216	< 216	< 8.6	< 8.6	< 8.6	NA	104 J	< 86.4	< 8.6	< 8.6	< 8.6	< 17.3	NA	NA	< 8.6	< 8.6	< 8.6	< 86.4	< 86.4	
Benzene	0.5	5	< 3.0	< 1.5	< 7.4	< 7.4	< 0.30	< 0.30	< 0.30	NA	343	183	< 0.30	< 0.30	< 0.30	< 0.59	NA	NA	< 0.30	< 0.30	< 0.30	< 3.0	< 3.0	
Bromodichloromethane	0.06	0.6	< 4.2	< 2.1	< 10.4	< 10.4	< 0.42	< 0.42	< 0.42	NA	< 4.2	< 4.2	< 0.42	< 0.42	< 0.42	< 0.83	NA	NA	< 0.42	< 0.42	< 0.42	< 4.2	< 4.2	
Bromoform	0.44	4.4	< 38.0	< 19.0	< 95.0	< 95.0	< 3.8	< 3.8	< 3.8	NA	< 38.0	< 38.0	< 3.8	< 3.8	< 3.8	< 7.6	NA	NA	< 3.8	< 3.8	< 3.8	< 38.0	< 38.0	
Bromomethane	1	10	< 11.9	< 6.0	< 29.8	< 29.8	< 1.2	< 1.2	< 1.2	NA	< 11.9	< 11.9	< 1.2	< 1.2	< 1.2	< 2.4	NA	NA	< 1.2	< 1.2	< 1.2	< 11.9	< 11.9	
Carbon disulfide	200	1000	< 11.0	< 5.5	< 27.6	< 27.6	< 1.1	< 1.1	< 1.1	NA	< 11.0	< 11.0	< 1.1	< 1.1	< 1.1	< 2.2	NA	NA	< 1.1	< 1.1	< 1.1	< 11.0	< 11.0	
Carbon tetrachloride	0.5	5	< 3.7	< 1.8	< 9.2	< 9.2	< 0.37	< 0.37	< 0.37	NA	< 3.7	< 3.7	< 0.37	< 0.37	< 0.37	< 0.74	NA	NA	< 0.37	< 0.37	0.67 J	< 3.7	< 3.7	
Chloroethane	80	400	< 13.8	< 6.9	< 34.5	< 34.5	< 1.4	< 1.4	< 1.4	NA	< 13.8	< 13.8	< 1.4	< 1.4	< 1.4	< 2.8	NA	NA	< 1.4	< 1.4	< 1.4	< 13.8	< 13.8	
Chloroform	0.6	6	< 11.8	< 5.9	< 29.6	< 29.6	< 1.2	< 1.2	< 1.2	NA	< 11.8	< 11.8	< 1.2	< 1.2	< 1.2	< 2.4	NA	NA	< 1.2	< 1.2	< 1.2	< 11.8	< 11.8	
Chloromethane	3	30	< 16.4	< 8.2	< 40.9	< 40.9	< 1.6	< 1.6	< 1.6	NA	< 16.4	< 16.4	< 1.6	< 1.6	< 1.6	< 3.3	NA	NA	< 1.6	< 1.6	< 1.6	< 16.4	< 16.4	
cis-1,2-Dichloroethene	7	70	10.1	5.0	22.2 J	< 11.8	< 0.47	< 0.47	< 0.47	NA	11.7	8.3 J	< 0.47 J	10.5 J	7.1 J	85.1	NA	NA	18.4	2.3	153	63.7	40	
Dichlorodifluoromethane	200	1000	< 4.6	< 2.3	< 11.4	< 11.4	< 0.46	< 0.46	< 0.46	NA	< 4.6	< 4.6	< 0.46	< 0.46	< 0.46	< 0.91	NA	NA	< 0.46	< 0.46	< 0.46	< 4.6	< 4.6	
Ethylbenzene	140	700	< 3.3	< 1.6	< 8.1	< 8.1	< 0.33	< 0.33	< 0.33	NA	< 3.3	< 3.3	< 0.33	< 0.33	< 0.33	< 0.65	NA	NA	< 0.33	< 0.33	< 0.33	< 3.3	< 3.3	
Isopropylbenzene	NE	NE	< 10.0	< 5.0	< 25.0	< 25.0	< 1.0	< 1.0	< 1.0	NA	16.0 J	10.7 J	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	< 1.0	< 1.0	< 1.0	< 10.0	< 10.0	
m,p-Xylene	400	2000	< 7.0	< 3.5	< 17.5	< 17.5	< 0.70	< 0.70	< 0.70	NA	< 7.0	< 7.0	< 0.70	< 0.70	< 0.70	< 1.4	NA	NA	< 0.70	< 0.70	< 0.70	< 7.0	< 7.0	
Methyl tert-butyl ether	12	60	< 11.3	< 5.6	< 28.2	< 28.2	< 1.1	< 1.1	< 1.1	NA	< 11.3	< 11.3	< 1.1 J	13.2 J	8.4 J	10.2	NA	NA	< 1.1	< 1.1	< 1.1	< 11.3	< 11.3	
Methylene chloride	0.5	5	< 3.2	< 1.6	< 8.0	< 8.0	< 0.32	< 0.32	< 0.32	NA	< 3.2	< 3.2	< 0.32	< 0.32	< 0.32	< 0.64	NA	NA	< 0.32	< 0.32	< 0.32	< 3.2	< 3.2	
Naphthalene	10	100	< 11.3	< 5.6	< 28.2	< 28.2	< 1.1	< 1.1	< 1.1	NA	< 11.3	< 11.3	< 1.1	< 1.1	< 1.1	< 2.3	NA	NA	< 1.1	< 1.1	< 1.1	< 11.3	< 11.3	
n-Butylbenzene	NE	NE	< 8.6	< 4.3	< 21.4	< 21.4	< 0.86	< 0.86	< 0.86	NA	< 8.6	< 8.6	< 0.86	< 0.86	< 0.86	< 1.7	NA	NA	< 0.86	< 0.86	< 0.86	< 8.6	< 8.6	
n-Hexane	120	600	< 14.6	< 7.3	< 36.6	< 36.6	< 1.5	< 1.5	< 1.5	NA	< 14.6	< 14.6	< 1.5	< 1.5	< 1.5	< 2.9	NA	NA	< 1.5	< 1.5	< 1.5	< 14.6	< 14.6	
n-Propylbenzene	NE	NE	< 3.5	< 1.7	< 8.6	< 8.6	< 0.35	< 0.35	< 0.35	NA	4.9 J	< 3.5	< 0.35	< 0.35	< 0.35	< 0.69	NA	NA	< 0.35	< 0.35	< 0.35	< 3.5	< 3.5	
o-Xylene	400	2000	< 3.5	< 1.7	< 8.7	< 8.7	< 0.35	< 0.35	< 0.35	NA	< 3.5	< 3.5	< 0.35	< 0.35	< 0.35	< 0.70	NA	NA	< 0.35	< 0.35	< 0.35	< 3.5	< 3.5	
p-Isopropyltoluene	NE	NE	< 10.4	< 5.2	< 26.1	< 26.1	< 1.0	< 1.0	< 1.0	NA	< 10.4	< 10.4	< 1.0	< 1.0	< 1.0	< 2.1	NA	NA	< 1.0	< 1.0	< 1.0	< 10.4	< 10.4	
sec-Butylbenzene	NE	NE	< 4.2	< 2.1	< 10.6	< 10.6	< 0.42	< 0.42	< 0.42	NA	< 4.2	< 4.2	< 0.42	< 0.42	< 0.42	< 0.85	NA	NA	< 0.42	< 0.42	< 0.42	< 4.2	< 4.2	
Styrene	10	100	< 3.6	< 1.8	< 8.9	< 8.9	< 0.36	< 0.36	< 0.36	NA	< 3.6	< 3.6	< 0.36	< 0.36	< 0.36	< 0.71	NA	NA	< 0.36	< 0.36	< 0.36	< 3.6	< 3.6	
tert-Butylbenzene	NE	NE	< 5.9	< 2.9	< 14.7	< 14.7	< 0.59	< 0.59	< 0.59	NA	< 5.9	< 5.9	< 0.59	< 0.59	< 0.59	< 1.2	NA	NA	<					

Table 5: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID	SCREEN INTERVAL (feet bgs)	PREVENTIVE ACTION LIMIT	ENFORCEMENT STANDARD	MP-13 135 - 139 ft 10/11/2021	MP-13 163 - 167 ft 10/11/2021	MP-14 100 - 105 ft 10/12/2021	MP-14 135 - 140 ft 10/12/2021	MP-14 135 - 140 ft 04/20/2022	MP-14 170 - 178 ft 10/12/2021	MP-15 88 - 92 ft 10/12/2021	MP-15 100 - 105 ft 10/12/2021	MP-15 120 - 125 ft 10/12/2021	MP-15 142 - 146 ft 10/12/2021	MP-15 177 - 187 ft 10/12/2021	MP-16 106 - 116 ft 10/12/2021	MP-16 140 - 144 ft 10/12/2021	MP-16 140 - 144 ft 04/20/2022	MP-16 175 - 179 ft 10/12/2021	MW-17 160 - 170 ft 10/14/2021	MW-17 160 - 170 ft 04/25/2022	MW-24 30 - 40 ft 10/14/2021	MW-24 30 - 40 ft 04/28/2022
VOCs																						
1,1,1,2-Tetrachloroethane	7	70	< 8.9	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 7.1	< 1.8	< 7.1	< 7.1	< 7.1	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 3.6	< 3.6	NA	NA
1,1,1-Trichloroethane	40	200	< 7.6	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 6.1	< 1.5	< 6.1	< 6.1	< 6.1	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 3.0	< 3.0	NA	NA
1,1,2-Trichloroethane	0.5	5	< 8.6	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 6.9	< 1.7	< 6.9	< 6.9	< 6.9	< 1.7	< 0.34	< 0.34	< 0.34	< 0.34	< 3.4	< 3.4	NA	NA
1,1-Dichloroethene	0.7	7	< 14.6	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 11.6	< 2.9	< 11.6	< 11.6	< 11.6	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 5.8	< 5.8	NA	NA
1,2,4-Trimethylbenzene	96	480	< 11.2	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 9.0	< 2.2	< 9.0	< 9.0	< 9.0	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 4.5	< 4.5	NA	NA
1,2-Dibromoethane	0.005	0.05	< 7.7	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 6.2	< 1.5	< 6.2	< 6.2	< 6.2	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 3.1	< 3.1	NA	NA
1,2-Dichlorobenzene	60	600	< 8.1	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 6.5	< 1.6	< 6.5	< 6.5	< 6.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 3.3	< 3.3	NA	NA
1,2-Dichloroethane	0.5	5	< 7.3	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 5.8	< 1.5	< 5.8	< 5.8	< 5.8	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 2.9	< 2.9	NA	NA
1,2-Dichloropropane	0.5	5	< 11.2	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 9.0	< 2.2	< 9.0	< 9.0	< 9.0	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 4.5	< 4.5	NA	NA
1,2,3-Trichlorobenzene	NE	NE	< 25.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 20.4	< 5.1	< 20.4	< 20.4	< 20.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10.2	< 10.2	NA	NA
1,2,4-Trichlorobenzene	14	70	< 23.8	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 19.0	< 4.8	< 19.0	< 19.0	< 19.0	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 9.5	< 9.5	NA	NA
1,3,5-Trimethylbenzene	96	480	< 8.9	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 7.1	< 1.8	< 7.1	< 7.1	< 7.1	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 3.6	< 3.6	NA	NA
2-Butanone	800	4000	< 163	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 130	< 32.6	< 130	< 130	< 130	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 65.2	< 65.2	NA	NA
2-Hexanone	NE	NE	< 157	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 126	< 31.4	< 126	< 126	< 126	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 62.8	< 62.8	NA	NA
4-Methyl-2-pentanone	50	500	< 149	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 119	< 29.8	< 119	< 119	< 119	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 59.5	< 59.5	NA	NA
Acetone	1800	9000	< 216	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6	< 173	< 43.2	< 173	< 173	< 173	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6	< 86.4	< 86.4	NA	NA
Benzene	0.5	5	< 7.4	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 5.9	< 1.5	< 5.9	< 5.9	< 5.9	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 3.0	< 3.0	NA	NA
Bromodichloromethane	0.06	0.6	< 10.4	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 8.3	< 2.1	< 8.3	< 8.3	< 8.3	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 4.2	< 4.2	NA	NA
Bromoform	0.44	4.4	< 95.0	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 76.0	< 19.0	< 76.0	< 76.0	< 76.0	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 38.0	< 38.0	NA	NA
Bromomethane	1	10	< 29.8	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 23.8	< 6.0	< 23.8	< 23.8	< 23.8	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 11.9	< 11.9	NA	NA
Carbon disulfide	200	1000	< 27.6	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 22.0	< 5.5	< 22.0	< 22.0	< 22.0	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 11.0	< 11.0	NA	NA
Carbon tetrachloride	0.5	5	< 9.2	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 7.4	< 1.8	< 7.4	< 7.4	< 7.4	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 3.7	< 3.7	NA	NA
Chloroethane	80	400	< 34.5	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 27.6	< 6.9	< 27.6	< 27.6	< 27.6	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 13.8	< 13.8	NA	NA
Chloroform	0.6	6	< 29.6	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 23.7	< 5.9	< 23.7	< 23.7	< 23.7	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 11.8	< 11.8	NA	NA
Chloromethane	3	30	< 40.9	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 32.7	< 8.2	< 32.7	< 32.7	< 32.7	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 16.4	< 16.4	NA	NA
cis-1,2-Dichloroethene	7	70	85.9	22.7	< 0.47	2.7	1.5	46.7	27.6	26.8	33.3	86.2	< 0.47	4.7	3.0	2.2	< 0.47	8.5 J	6.0 J	NA	NA	
Dichlorodifluoromethane	200	1000	< 11.4	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 9.1	< 2.3	< 9.1	< 9.1	< 9.1	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 4.6	< 4.6	NA	NA
Ethylbenzene	140	700	< 8.1	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 6.5	< 1.6	< 6.5	< 6.5	< 6.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 3.3	< 3.3	NA	NA
Isopropylbenzene	NE	NE	< 25.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 20.0	< 5.0	< 20.0	< 20.0	< 20.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10.0	< 10.0	NA	NA
m,p-Xylene	400	2000	< 17.5	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 14.0	< 3.5	< 14.0	< 14.0	< 14.0	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 7.0	< 7.0	NA	NA
Methyl tert-butyl ether	12	60	< 28.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 22.6	< 5.6	< 22.6	< 22.6	< 22.6	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 11.3	< 11.3	NA	NA
Methylene chloride	0.5	5	< 8.0	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 6.4	< 1.6	< 6.4	< 6.4	< 6.4	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 3.2	< 3.2	NA	NA
Naphthalene	10	100	< 28.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 22.6	< 5.6	< 22.6	< 22.6	< 22.6	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 11.3	< 11.3	NA	NA
n-Butylbenzene	NE	NE	< 21.4	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 17.1	< 4.3	< 17.1	< 17.1	< 17.1	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 8.6	< 8.6	NA	NA
n-Hexane	120	600	< 36.6	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 29.2	< 7.3	< 29.2	< 29.2	< 29.2	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 14.6	< 14.6	NA	NA
n-Propylbenzene	NE	NE	< 8.6	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 6.9	< 1.7	< 6.9	< 6.9	< 6.9	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 3.5	< 3.5	NA	NA
o-Xylene	400	2000	< 8.7	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 7.0	< 1.7	< 7.0	< 7.0	< 7.0	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 3.5	< 3.5	NA	NA
p-Isopropyltoluene	NE	NE	< 26.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 20.9	< 5.2	< 20.9	< 20.9	< 20.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10.4	< 10.4	NA	NA
sec-Butylbenzene	NE	NE	< 10.6	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 8.5	< 2.1	< 8.5	< 8.5	< 8.5	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 4.2	< 4.2	NA	NA
Styrene	10	100	< 8.9	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 7.1	< 1.8	< 7.1	< 7.1	< 7.1	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 3.6	< 3.6	NA	NA
tert-Butylbenzene	NE	NE	< 14.7	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 11.7	< 2.9	< 11.7	< 11.7	< 11.7	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 5.9	< 5.9	NA	NA
Tetrachloroethene	0.5	5	2540 J+	145 J+	1.6 J+	106 J+	71.3	1430 J+	214 J+	710 J+	1050 J+	1320 J+	2.7 J+	52.7 J+	50.5 J+	39.7	5.6 J+	823	452	NA	NA	
Toluene	160	800																				

Table 5: Groundwater Analytical Results Summary
 Madison-Kipp Corporation
 Madison, Wisconsin

WELL ID	SCREEN INTERVAL (feet bgs)	PREVENTIVE ACTION LIMIT	ENFORCEMENT STANDARD	MW-25D 120 - 130 ft 10/13/2021	MW-25D2 160 - 170 ft 10/13/2021	MW-25D2 160 - 170 ft 04/21/2022	MW-27D 130 - 140 ft 10/13/2021	MW-27D 130 - 140 ft 04/26/2022	MW-27D2 170 - 180 ft 10/13/2021	MW-28 28 - 38 ft 10/19/2021	MW-28 28 - 38 ft 04/28/2022	MW-29S 24.6 - 34.4 ft 10/18/2021	MW-29S 24.6 - 34.4 ft 04/28/2022	MW-29D 45.2 - 50.2 ft 10/18/2021	MW-29D 45.2 - 50.2 ft 04/28/2022
VOCs															
1,1,1,2-Tetrachloroethane	7	70	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 3.6	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	40	200	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 3.0	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 3.4	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.7	7	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 5.8	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	96	480	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 4.5	NA	NA	NA	NA	NA
1,2-Dibromoethane	0.005	0.05	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 3.1	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	60	600	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 3.3	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.5	5	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 2.9	NA	NA	NA	NA	NA
1,2-Dichloropropane	0.5	5	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 4.5	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NE	NE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10.2	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	14	70	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 9.5	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	96	480	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 3.6	NA	NA	NA	NA	NA	NA
2-Butanone	800	4000	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 65.2	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 62.8	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 59.5	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6	< 86.4	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 3.0	NA	NA	NA	NA	NA	NA
Bromodichloromethane	0.06	0.6	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 4.2	NA	NA	NA	NA	NA	NA
Bromoform	0.44	4.4	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 38.0	NA	NA	NA	NA	NA	NA
Bromomethane	1	10	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 11.9	NA	NA	NA	NA	NA	NA
Carbon disulfide	200	1000	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 11.0	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 3.7	NA	NA	NA	NA	NA	NA
Chloroethane	80	400	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 13.8	NA	NA	NA	NA	NA	NA
Chloroform	0.6	6	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 11.8	NA	NA	NA	NA	NA	NA
Chloromethane	3	30	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 16.4	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	7	70	< 0.47	< 0.47	< 0.47	8.4	< 0.47	8.6	< 4.7 J	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	200	1000	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 4.6	NA	NA	NA	NA	NA	NA
Ethylbenzene	140	700	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 3.3	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NE	NE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10.0	NA	NA	NA	NA	NA	NA
m,p-Xylene	400	2000	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 7.0	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 11.3 J	NA	NA	NA	NA	NA	NA
Methylene chloride	0.5	5	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 3.2	NA	NA	NA	NA	NA	NA
Naphthalene	10	100	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 11.3	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NE	NE	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 8.6	NA	NA	NA	NA	NA	NA
n-Hexane	120	600	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 14.6	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 3.5	NA	NA	NA	NA	NA	NA
o-Xylene	400	2000	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 3.5	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10.4	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NE	NE	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 4.2	NA	NA	NA	NA	NA	NA
Styrene	10	100	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 3.6	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	NE	NE	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 5.9	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5	5	< 0.41	< 0.41	< 0.41	20.8	0.85 J	21.1	1080	NA	NA	NA	NA	NA	NA
Toluene	160	800	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 2.9	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	20	100	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 5.3	NA	NA	NA	NA	NA	NA
Trichloroethene	0.5	5	< 0.32	< 0.32	< 0.32	18.3	1.5	19.7	< 3.2	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	698	3490	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 4.2	NA	NA	NA	NA	NA	NA
Vinyl chloride	0.02	0.2	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 1.7	NA	NA	NA	NA	NA	NA
Xylenes, Total	400	2000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10.5	NA	NA	NA	NA	NA	NA
Total PCBs															
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.0042	< 0.0042	< 0.0042	< 0.0042	< 0.0042	< 0.0042	< 0.0042
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	ND	< 0.026	ND	< 0.026	ND	< 0.026	< 0.026
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 (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	1390	1320	600	524	2730	3430	
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	< 0.95	1.2 J	< 0.95	< 0.95 J	1.4 J	8.6 J	

Notes on Page 5.

Table 5: 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 11/18/2021
Checked By: L. Auner 11/23/2021

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 or because of non-compliant laboratory quality check.

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.

U = Results determined to be non-detect at the concentration limit because of blank contamination.

NA = Not Analyzed.

ND = Not Detected.

NE = Not Established.

PCBs = Polychlorinated biphenyls.

VOCs = Volatile Organic Compounds.

Table 6: Groundwater Elevations Summary - April 2022

**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	4/20/2022	13.46	847.62
MW-02D	Upper Lone Rock	39-44	866.50	868.74	4/20/2022	22.89	845.85
MW-02S	Unconsolidated	19-29	866.34	868.94	4/20/2022	22.99	845.95
MW-03D	Upper Lone Rock	48-53	867.68	867.25	4/20/2022	21.08	846.17
MW-03D2	Lower Lone Rock	76-81	867.58	867.39	4/20/2022	23.26	844.13
MW-03D3	Lower Wonewoc/Upper Eau Claire	214-224	867.61	867.35	4/20/2022	23.48	843.87
MW-03S	Unconsolidated	19-29	867.87	867.41	4/20/2022	21.61	845.80
MW-04D	Lower Lone Rock	65-70	881.18	880.38	4/20/2022	34.51	845.87
MW-04D2	Lower Lone Rock	91-96	880.36	880.20	4/20/2022	34.70	845.50
MW-04S	Unconsolidated/ Upper Lone Rock	35-50	880.81	880.31	4/20/2022	33.55	846.76
MW-05D	Lower Lone Rock	75-80	872.58	872.10	4/20/2022	26.85	845.25
MW-05D2	Lower Wonewoc	165.8-170.8	872.59	872.20	4/20/2022	28.25	843.95
MW-05D3	Lower Wonewoc/Upper Eau Claire	225-235	872.34	871.89	4/20/2022	27.86	844.03
MW-05S	Upper Lone Rock	34-44	872.56	872.14	4/20/2022	26.41	845.73
MW-06D	Lower Lone Rock	65.5-70.5	877.11	876.69	4/20/2022	31.42	845.27
MW-06S	Unconsolidated/ Upper Lone Rock	31.4-41.4	877.20	876.69	4/20/2022	31.23	845.46
MW-07	Unconsolidated	25-35	870.91	870.42	4/20/2022	24.58	845.84
MW-08	Unconsolidated	24-34	867.69	866.78	4/20/2022	20.63	846.15
MW-09D	Upper Lone Rock	44-49	855.80	855.47	4/20/2022	9.70	845.77
MW-09D2	Lower Lone Rock	64-69	855.89	855.48	4/20/2022	9.97	845.51
MW-10S	Unconsolidated	11-21	864.88	864.42	4/20/2022	18.14	846.28
MW-11S	Unconsolidated	24-34	874.10	873.47	4/20/2022	28.04	845.43
MW-12S	Unconsolidated	3-13	859.78	859.41	4/20/2022	6.23	853.18
MW-17	Upper Wonewoc	160-170	877.26	876.65	4/20/2022	32.59	844.06
MW-18S	Unconsolidated	20-30	867.89	867.24	4/20/2022	21.17	846.07
MW-19D	Lower Lone Rock	60-90	867.44	866.75	4/20/2022	22.42	844.33
MW-19D2	Upper Wonewoc	110-140	867.44	866.71	4/20/2022	23.30	843.41
MW-20D	Lower Lone Rock	60-90	867.36	866.96	4/20/2022	22.42	844.54
MW-20D2	Lower Lone Rock	110-140	867.36	867.04	4/20/2022	23.52	843.52
MW-21D	Lower Lone Rock	60-90	867.77	867.49	4/20/2022	22.61	844.88
MW-21D2	Upper Wonewoc	110-170	867.77	867.46	Abandoned		
MW-24	Upper Lone Rock	30-40	876.66	876.41	4/20/2022	30.70	845.71

Table 6: Groundwater Elevations Summary - April 2022
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	4/20/2022	42.99	843.70
MW-25D2	Upper Wonewoc	160-170	886.97	886.68	4/20/2022	43.02	843.66
MW-26S	Unconsolidated	6.85-16.85	857.51	856.61	4/20/2022	8.41	848.20
MW-27D	Lower Wonewoc	130-140	862.96	862.65	4/20/2022	17.30	845.35
MW-27D2	Lower Wonewoc	170-180	862.96	862.59	4/20/2022	17.32	845.27
MW-28	Lower Lone Rock	28-38	874.30	874.05	4/20/2022	28.27	845.78
MW-29D	Upper Lone Rock	45-50	875.86	877.61	4/20/2022	31.86	845.75
MW-29S	Unconsolidated	24-34	875.97	877.80	4/20/2022	30.84	846.96
MP-13	Upper Lone Rock	44-48	864.49	863.99	4/20/2022	18.30	845.69
MP-13	Lower Lone Rock	67-71	864.49	863.99	4/20/2022	19.48	844.51
MP-13	Lower Lone Rock	81-85	864.49	863.99	4/20/2022	15.21	848.78
MP-13	Upper Wonewoc	102-106	864.49	863.99	4/20/2022	20.16	843.83
MP-13	Upper Wonewoc	121-125	864.49	863.99	4/20/2022	20.22	843.77
MP-13	Lower Wonewoc	135-139	864.49	863.99	4/20/2022	20.24	843.75
MP-13	Lower Wonewoc	163-167	864.49	863.99	4/20/2022	20.07	843.92
MP-14	Lower Lone Rock	70-75	866.88	867.28	4/20/2022	20.51	846.77
MP-14	Upper Wonewoc	100-105	866.88	867.28	4/20/2022	22.11	845.17
MP-14	Lower Wonewoc	135-140	866.88	867.28	4/20/2022	22.34	844.94
MP-14	Lower Wonewoc	170-178	866.88	867.28	4/20/2022	22.55	844.73
MP-15	Upper Wonewoc	88-92	855.98	855.50	4/20/2022	10.28	845.22
MP-15	Upper Wonewoc	100-105	855.98	855.50	4/20/2022	10.25	845.25
MP-15	Lower Wonewoc	120-125	855.98	855.50	4/20/2022	10.25	845.25
MP-15	Lower Wonewoc	142-146	855.98	855.50	4/20/2022	10.31	845.19
MP-15	Lower Wonewoc	177-187	855.98	855.50	4/20/2022	10.39	845.11
MP-16	Lower Lone Rock	80-84	870.68	870.17	4/20/2022	24.71	845.46
MP-16	Upper Wonewoc	106-116	870.68	870.17	4/20/2022	25.61	844.56
MP-16	Lower Wonewoc	140-144	870.68	870.17	4/20/2022	25.70	844.47
MP-16	Lower Wonewoc	175-179	870.68	870.17	4/20/2022	25.89	844.28

Updated By: C. Frauen 12/14/2022
Checked By: B. Wachholz 1/10/2023

Table 7: Storm Sewer System Sampling Analytical Results Summary
Madison-Kipp Corporation
201 Waubesa Street, Madison, Wisconsin

Parameter	Unit ⁽²⁾	NR 720 RCL Industrial Direct Contact ⁽¹⁾	MH-1A															
			12/28/2016	6/30/2017	9/22/2017	10/6/2017	10/17/2017	2/21/2018	5/10/2018	8/23/2018	10/8/2018	5/30/2019	10/8/2019	6/9/2020	10/13/2020	5/7/2021	10/15/2021	4/29/2022
Sample Date	--	--	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Matrix	--	--	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCB-1016	mg/kg	28	<0.011	<0.0092	<0.0089	<0.0097	<0.010	<0.0094	<0.0083	<0.0053	<0.0058	<0.0058	<0.0059	<0.0059	<0.0055	<0.190	<0.0060	<0.0056
PCB-1221	mg/kg	0.883	<0.0059	<0.0051	<0.0049	<0.0054	<0.0057	<0.0052	<0.0046	<0.0076	<0.0084	<0.0083	<0.0084	<0.0085	<0.0079	<0.190	<0.0086	<0.0080
PCB-1232	mg/kg	0.792	<0.0040	<0.0035	<0.0034	<0.0037	<0.0039	<0.0036	<0.0031	<0.0050	<0.0056	<0.0055	<0.0056	<0.0056	<0.0053	<0.190	<0.0057	<0.0053
PCB-1242	mg/kg	0.972	<0.0063	<0.0055	<0.0053	<0.0058	<0.0061	<0.0056	<0.0049	<0.010	<0.011	<0.011	<0.012	<0.012	<0.011	<0.190	<0.012	<0.011
PCB-1248	mg/kg	0.975	3.6	2.2	0.11	0.23	0.71	0.33	0.15	0.14	0.16	0.24	0.11 J	0.14	0.17	0.261 J	0.15	0.37
PCB-1254	mg/kg	0.988	<0.0063	<0.0055	<0.0053	<0.0058	<0.0061	<0.0056	<0.0049	<0.0084	<0.0093	<0.0092	<0.0093	<0.0094	<0.0088	<0.190	<0.0095	<0.0088
PCB-1260	mg/kg	1	<0.0034	<0.003	<0.0029	<0.0031	<0.0033	<0.0031	<0.0027	<0.0081	<0.0090	<0.0089	<0.0091	<0.0091	<0.0085	<0.190	<0.0092	<0.0086
Total PCBs	mg/kg	0.967	3.6	2.2	0.11	0.23	0.71	0.33	0.15	0.14	0.16	0.24	0.11 J	0.14	0.17	0.261 J	0.15	0.37

Notes:
 < = Less than
 mg/kg = Milligrams per kilogram
 J = Estimated value. Analyte detected at a level less than the reporting limit and greater than or equal to the detection limit.
 µg/L = Micrograms per liter
 RCL = residual contaminant level
 PCBs = Polychlorinated Biphenyls
 Bold and Italics = WDNR Industrial Direct Contact Limit Exceedance

Footnotes:
 (1) The total PCBs and specific aroclors are compared to the WDNR industrial direct contact residual contaminant levels (December 2018).
 (2) Samples are reported in mg/kg unless otherwise noted.
 (3) Sample collected from within the Outfall pipe entering the rain garden. If no sediment was present in pipe, sample collected from base of garden at pipe entrance.
 (4) Sample collected approximately 3 ft north of the Outfall pipe in the base of the garden, depth 0-6 inches.
 (5) Sample collected along fence section that crosses the rain garden, depth 0-6".

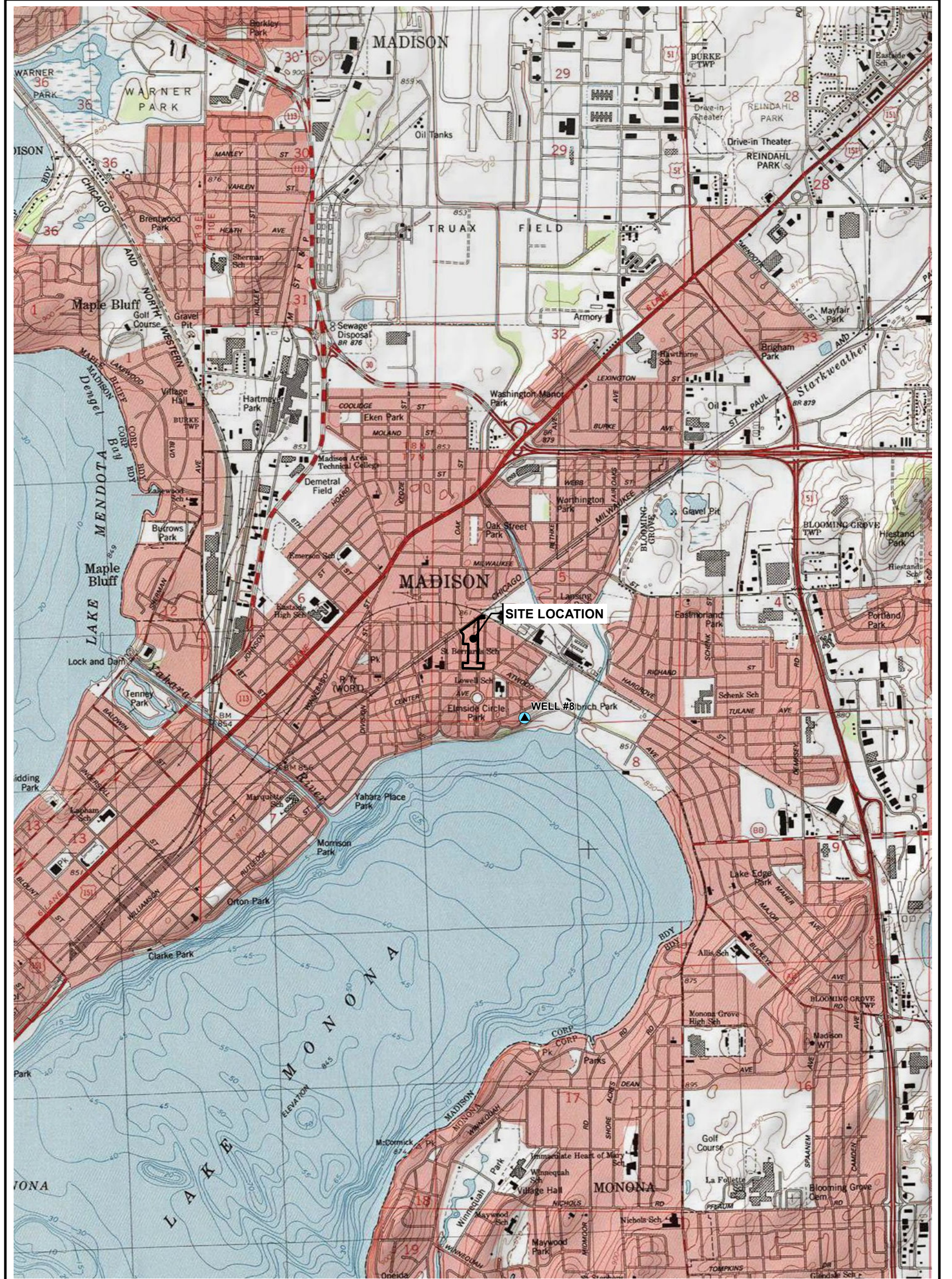
Table 7: Storm Sewer System Sediment Sampling Analytical Results Summary
Madison-Kipp Corporation
201 Waubesa Street, Madison, Wisconsin

Parameter	Unit ⁽²⁾	NR 720 RCL Industrial Direct Contact ⁽¹⁾	Outfall Sample ⁽³⁾														RG-1 ⁽⁴⁾	RG-2 ⁽⁵⁾
			12/19/2016	6/30/2017	9/22/2017	5/10/2018	8/23/2018	10/8/2018	5/30/2019	10/8/2019	6/9/2020	10/13/2020	5/7/2021	6/2/2021	10/15/2021	4/29/2022		
Sample Date	--	--	12/19/2016	6/30/2017	9/22/2017	5/10/2018	8/23/2018	10/8/2018	5/30/2019	10/8/2019	6/9/2020	10/13/2020	5/7/2021	6/2/2021	10/15/2021	4/29/2022	6/2/2021	6/2/2021
Matrix	--	--	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCB-1016	mg/kg	28	<0.0095	<0.0086	<0.011	<0.0099	<0.0061	<0.0067	<0.0080	<0.0059	<0.0061	<0.0064	<0.270	<0.219	<0.0063	<0.0070	<0.197	<0.228
PCB-1221	mg/kg	0.883	<0.0053	<0.0048	<0.0061	<0.0055	<0.0088	<0.0096	<0.011	<0.0085	<0.0087	<0.0092	<0.270	<0.219	<0.0090	<0.010	<0.197	<0.228
PCB-1232	mg/kg	0.792	<0.0036	<0.0032	<0.0042	<0.0038	<0.0059	<0.0064	<0.0076	<0.0057	<0.0058	<0.0061	<0.270	<0.219	<0.0060	<0.0067	<0.197	<0.228
PCB-1242	mg/kg	0.972	<0.0057	<0.0051	<0.0066	<0.0059	<0.012	<0.013	<0.016	<0.012	<0.012	<0.013	<0.270	0.256 J	<0.012	<0.014	0.440 J	<0.228
PCB-1248	mg/kg	0.975	9.2	5.0	4.0	1.9	0.32	0.57	0.43	0.33	0.33	0.28	1.030	<0.219	0.50	0.59	<0.197	<0.228
PCB-1254	mg/kg	0.988	<0.0057	<0.0051	<0.0066	<0.0059	<0.0097	<0.011	<0.013	<0.0094	0.16	<0.010	<0.270	<0.219	<0.010	<0.011	<0.197	<0.228
PCB-1260	mg/kg	1	0.37	<0.0028	<0.0036	<0.0032	<0.0095	<0.010	<0.012	<0.0091	<0.0094	<0.0099	<0.270	<0.219	<0.0097	<0.011	<0.197	<0.228
Total PCBs	mg/kg	0.967	9.6	5.0	4.0	1.9	0.32	0.57	0.43	0.33	0.50	0.28	1.030	0.256 J	0.50	0.59	0.440 J	<0.228

Notes:
 < = Less than
 mg/kg = Milligrams per kilogram
 J = Estimated value. Analyte detected at a level less than the reporting limit and greater than or equal to the detection limit.
 µg/L = Micrograms per liter
 RCL = residual contaminant level
 PCBs = Polychlorinated Biphenyls
 Bold and Italics = WDNR Industrial Direct Contact Limit Exceedance

Updated by: C. Frauen 12/13/2022
 Checked by: B. Wachholz 1/10/2023

Footnotes:
⁽¹⁾ The total PCBs and specific aroclors are compared to the WDNR industrial direct contact residual contaminant levels (December 2018).
⁽²⁾ Samples are reported in mg/kg unless otherwise noted.
⁽³⁾ Sample collected from within the Outfall pipe entering the rain garden. If no sediment was present in pipe, sample collected from base of garden at pipe entrance.
⁽⁴⁾ Sample collected approximately 3 ft north of the Outfall pipe in the base of the garden, depth 0-6 inches.
⁽⁵⁾ Sample collected along fence section that crosses the rain garden, depth 0-6".



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

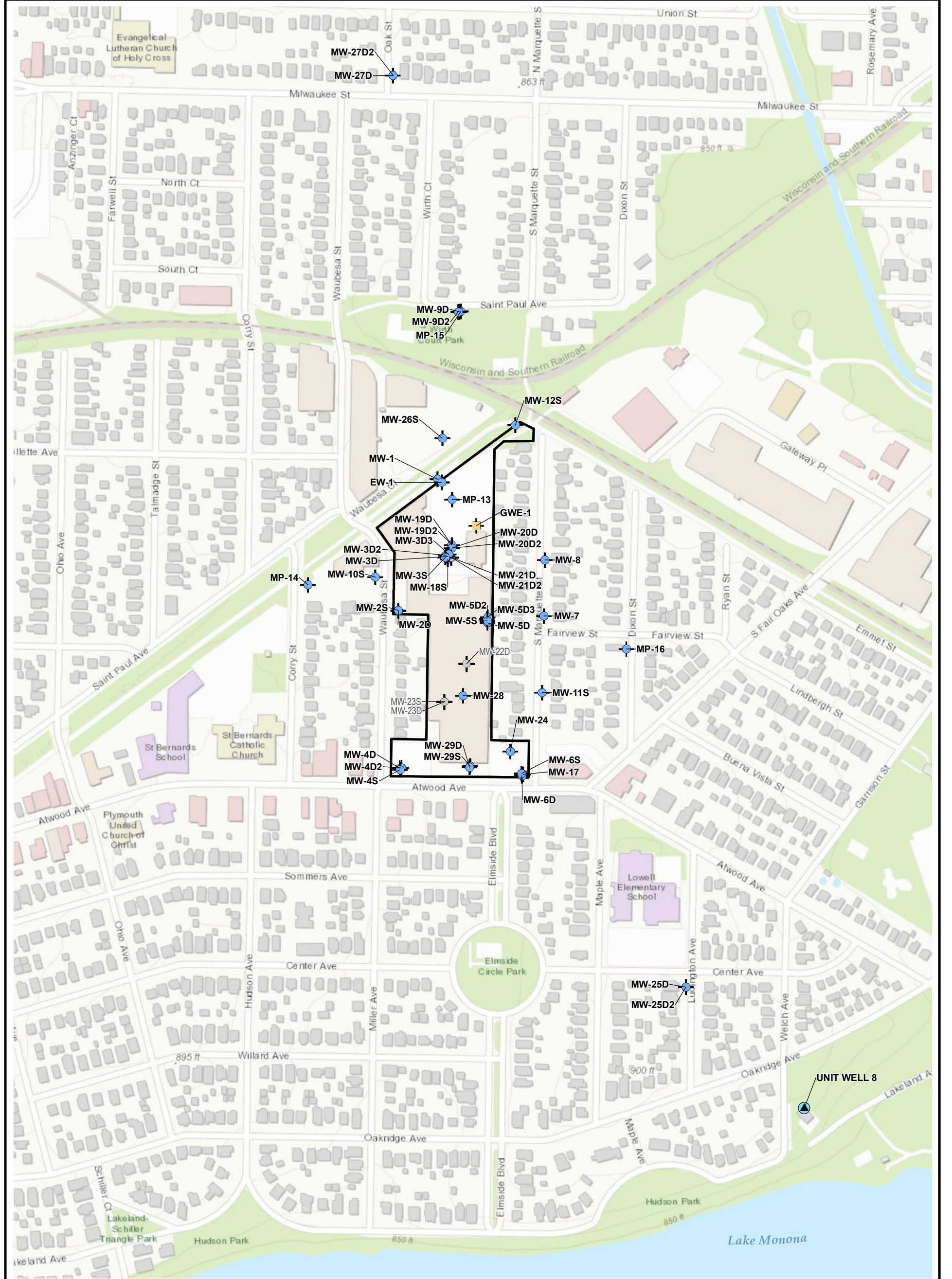
708 Heartland Trail
 Suite 3000
 Madison, WI 53717
 Phone: 608.826.3600

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

TITLE: **SITE LOCATION MAP**

DRAWN BY:	R. SUEMNICHT
CHECKED BY:	A. STEHN
APPROVED BY:	K. VATER
DATE:	JULY 2021
PROJ. NO.:	419610
FILE:	419610-017.mxd

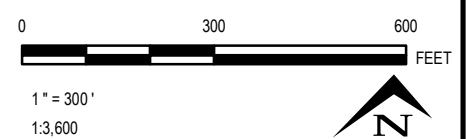
FIGURE 1



LEGEND

- SITE PROPERTY BOUNDARY
- GROUNDWATER EXTRACTION WELL
- MUNICIPAL SUPPLY WELL
- ABANDONED MONITORING WELL
- MONITORING WELL

BASE MAP FROM ESRI, "WORLD TOPOGRAPHIC MAP" WEB BASEMAP SERVICE LAYER.




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



PROJECT:	MADISON-KIPP CORPORATION 201 WAUBESA STREET MADISON, WISCONSIN
TITLE:	WELL LOCATIONS MAP




DRAWN BY:	R. SUEMNICHT
CHECKED BY:	A. STEHN
APPROVED BY:	K. VATER
DATE:	JULY 2021
PROJ. NO.:	419610
FILE:	419610-018.mxd

FIGURE 2



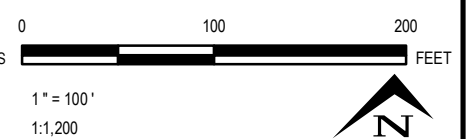
LEGEND

-  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, 2018.
2. PARCEL INFORMATION FROM WISCONSIN STATE CARTOGRAPHER'S OFFICE, 2018

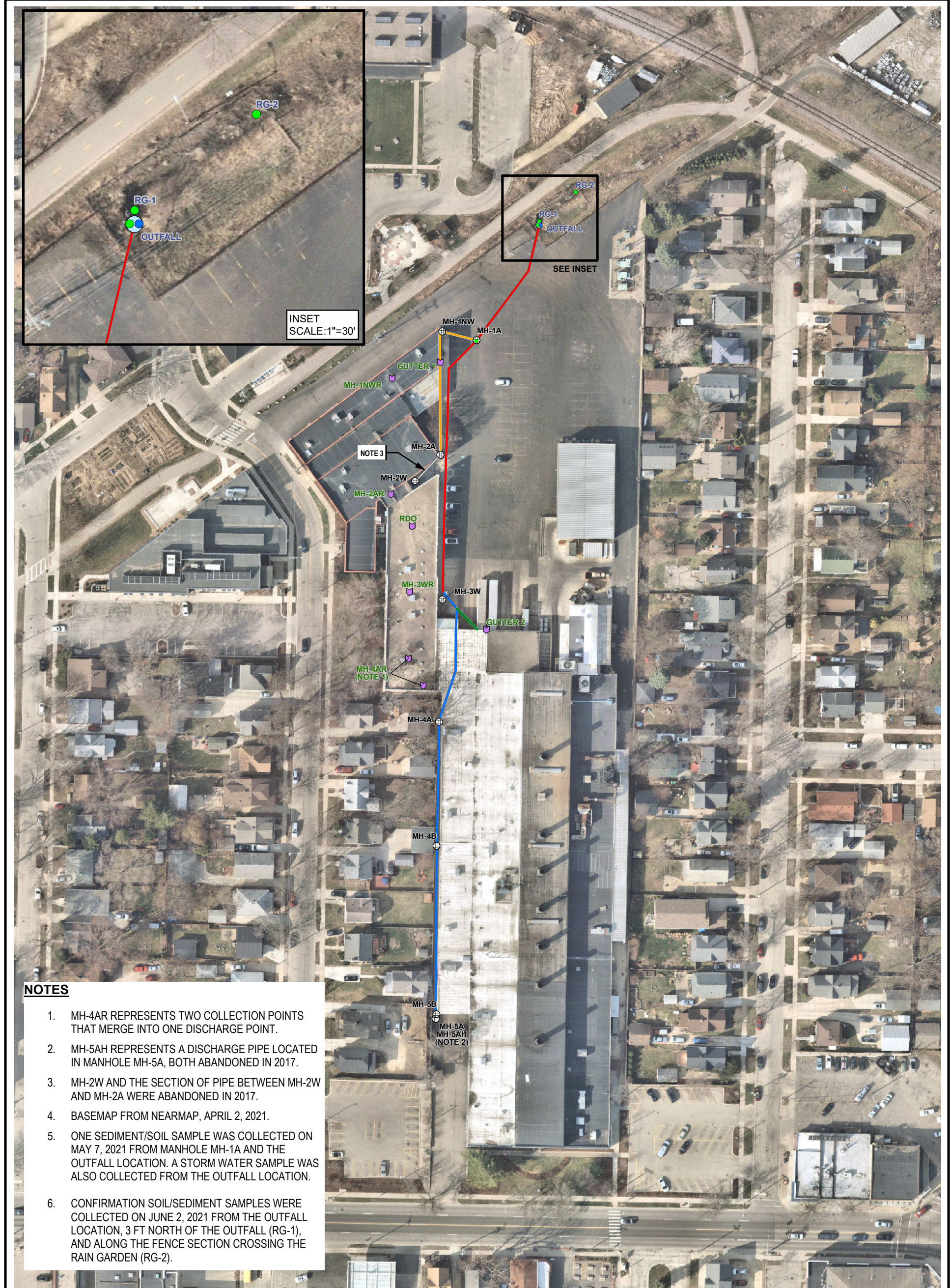



708 Heartland Trail
 Suite 3000
 Madison, WI 53717
 Phone: 608.826.3600

PROJECT:	MADISON-KIPP CORPORATION 201 WAUBESA STREET MADISON, WISCONSIN
TITLE:	SOIL VAPOR EXTRACTION WELL AND VAPOR MONITORING POINT LOCATION MAP

DRAWN BY:	R. SUEMNICHT
CHECKED BY:	A. STEHN
APPROVED BY:	K. VATER
DATE:	JULY 2021
PROJ. NO.:	419610
FILE:	419610-019.mxd

FIGURE 3

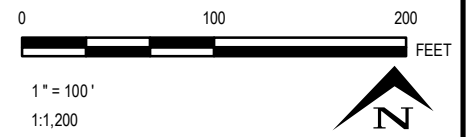


NOTES

1. MH-4AR REPRESENTS TWO COLLECTION POINTS THAT MERGE INTO ONE DISCHARGE POINT.
2. MH-5AH REPRESENTS A DISCHARGE PIPE LOCATED IN MANHOLE MH-5A, BOTH ABANDONED IN 2017.
3. MH-2W AND THE SECTION OF PIPE BETWEEN MH-2W AND MH-2A WERE ABANDONED IN 2017.
4. BASEMAP FROM NEARMAP, APRIL 2, 2021.
5. ONE SEDIMENT/SOIL SAMPLE WAS COLLECTED ON MAY 7, 2021 FROM MANHOLE MH-1A AND THE OUTFALL LOCATION. A STORM WATER SAMPLE WAS ALSO COLLECTED FROM THE OUTFALL LOCATION.
6. CONFIRMATION SOIL/SEDIMENT SAMPLES WERE COLLECTED ON JUNE 2, 2021 FROM THE OUTFALL LOCATION, 3 FT NORTH OF THE OUTFALL (RG-1), AND ALONG THE FENCE SECTION CROSSING THE RAIN GARDEN (RG-2).

LEGEND

- | | | |
|------------------------|------------------|--|
| SITE PROPERTY BOUNDARY | S-1 PIPE SECTION | S-3-ABANDONED (NOTE 3) |
| ROOF DRAIN INLET | S-2 PIPE SECTION | 2021 SEDIMENT/SOIL SAMPLE LOCATION (APPROXIMATE) |
| MANHOLE/CATCH BASIN | S-3 PIPE SECTION | 2021 STORMWATER SAMPLE LOCATION (APPROXIMATE) |
| OUTFALL | S-4 PIPE SECTION | |



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

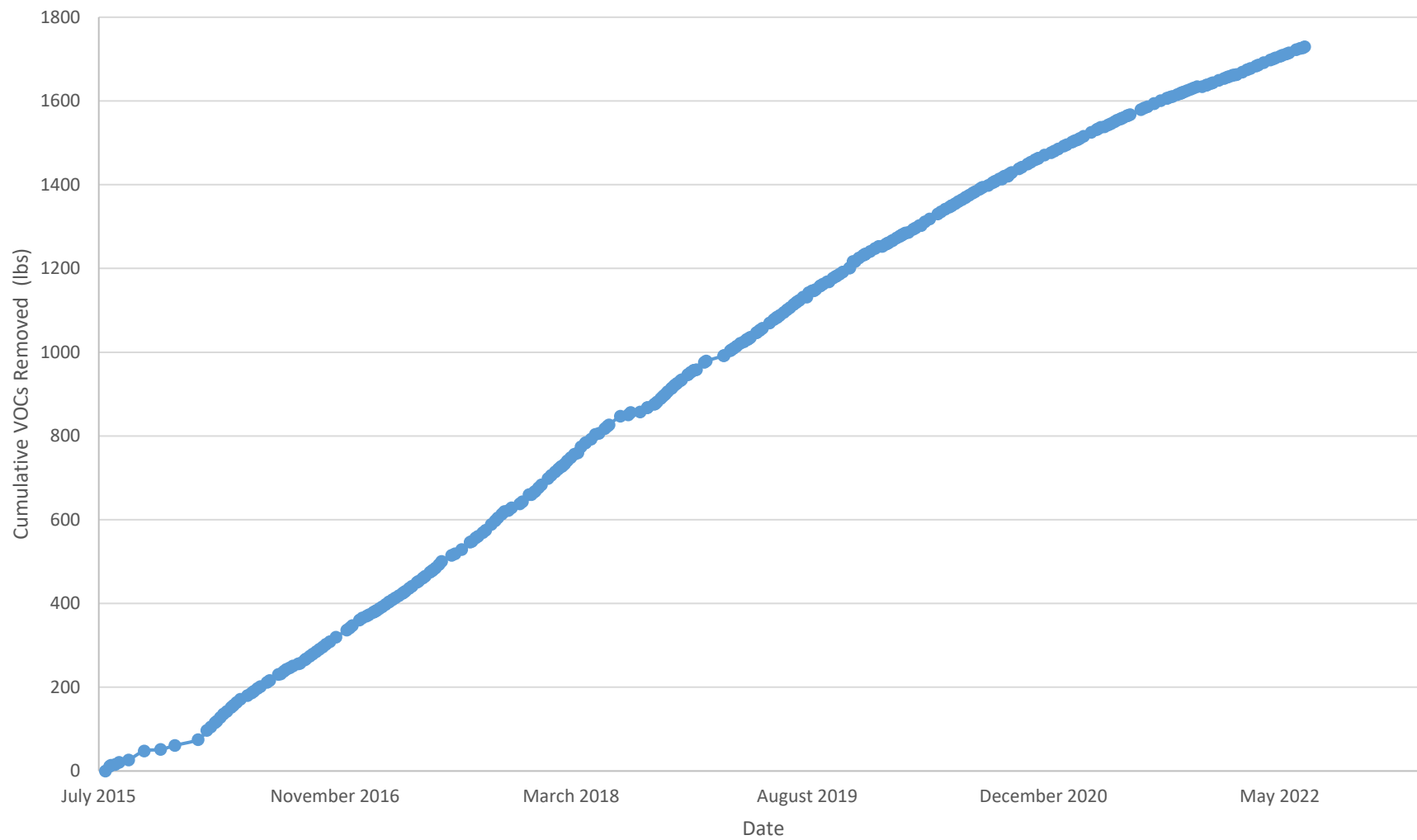
TITLE: **RAIN GARDEN SITE MAP AND
 STORM SEWER INFRASTRUCTURE**

DRAWN BY:	R. SUEMNICHT
CHECKED BY:	A. STEHN
APPROVED BY:	K. VATER
DATE:	JULY 2021
PROJ. NO.:	419610
FILE:	419610-021.mxd

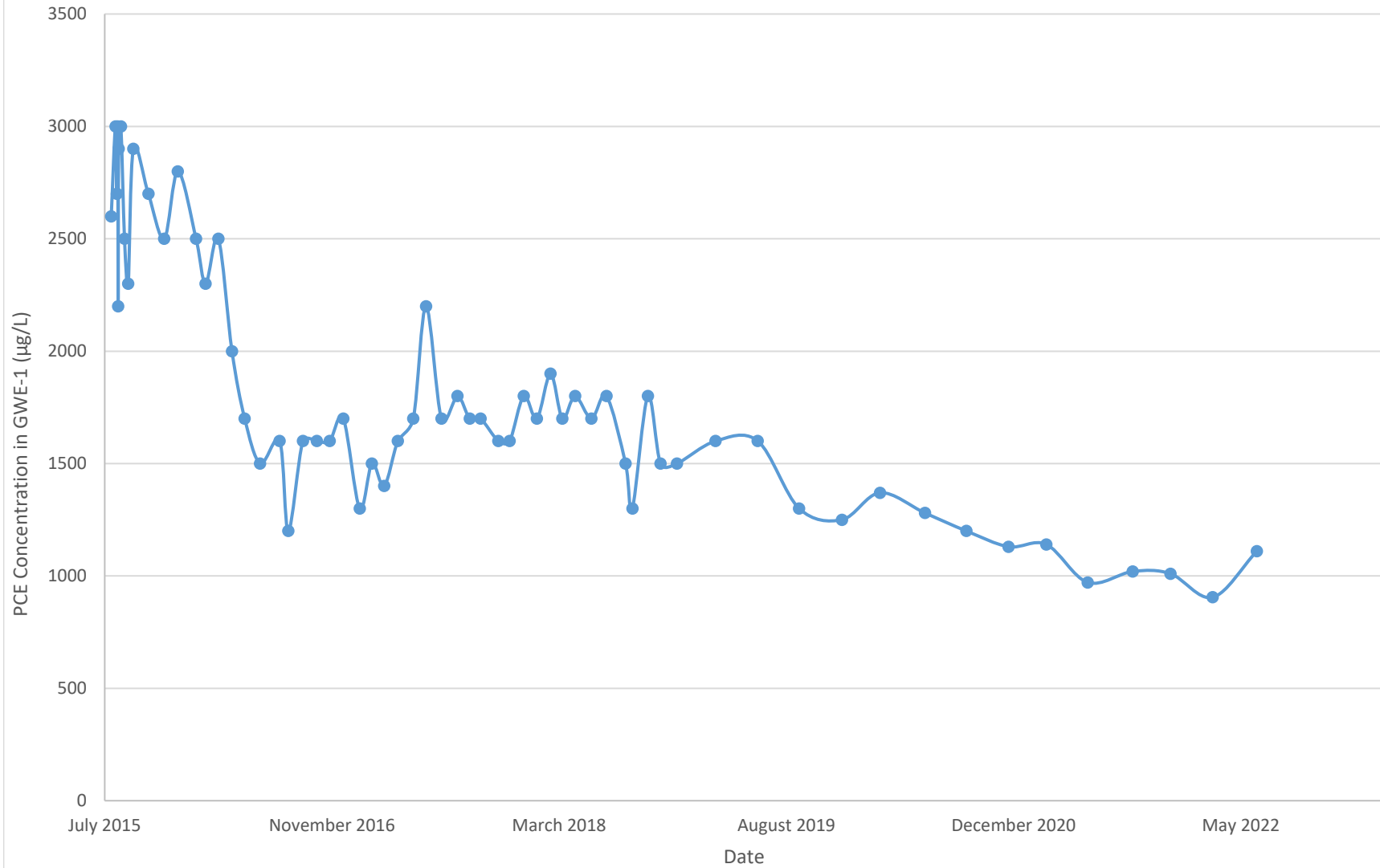
FIGURE 4

Attachment 1
Trend Plots

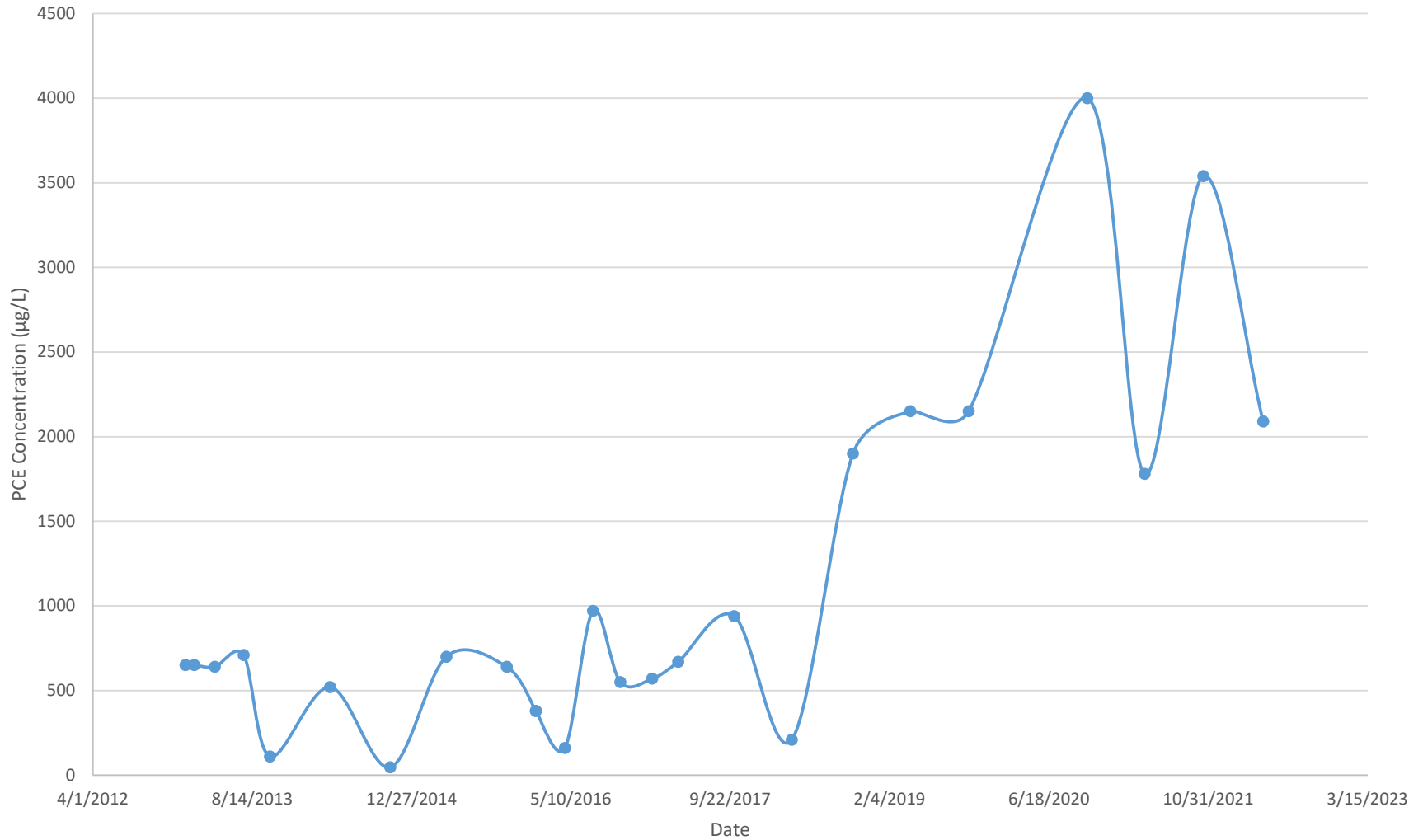
Trend Plot A.1
Groundwater Extraction System Operation
Cumulative Volatile Organic Compounds (VOCs) Removed
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin



Trend Plot A.2
PCE Concentration in GWE-1
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin



Trend Plot A.3
MW-5D2
Tetrachloroethene (PCE) Concentration
Madison Kipp Corporation
201 Waubesa Street
Madison, WI



Attachment 2

**Remediation Site Operation, Maintenance, Monitoring, and
Optimization Report Form 4400-194**

GENERAL INSTRUCTIONS, PURPOSE AND APPLICABILITY OF THIS FORM:

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

Notes:

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

Section GI - General Site Information

A. General Information

1. Site name

Madison-Kipp Corporation

2. Reporting period from: 01/01/2022 To: 06/30/2022 Days in period: 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 <input checked="" type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village			Township	Range	<input checked="" type="radio"/> E <input type="radio"/> W	Section	¼	¼ ¼
Madison			07 N	10		5	SW	NW

6. Responsible party

Name
 Mahlek Hamdan

Mailing address

201 Waubesa Street, Madison, WI 53704

Phone number

(608) 242-5207

7. Consultant

Select if the following information has changed since the last submittal

Company name

TRC

Mailing address
 999 Fourier Drive, STE 101,
 Madison, WI 53717

Phone number

(608) 826-3600

8. Contaminants

VOCs, metals, PCBs

9. Soil types (USCS or USDA)

CL, SP, GP

10. Hydraulic conductivity(cm/sec):

0.08 - 13.2

11. Average linear velocity of groundwater (ft/yr)

0.5 - 12.9

Site name: Madison-Kipp Corporation

Reporting period from: 01/01/2022

To: 06/30/2022

Days in period: 181

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

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

If yes, give location: Region

County

Municipality name City Town Village

Township

Range

E

Section

1/4

1/4 1/4

N

W

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 attenuation), 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.

The onsite soil vapor extraction system is currently being evaluated for continued operation. The system as approved by the WDNR was temporarily shutdown in October 2018, and soil gas is being monitored at the site. The GETS system pump rate was adjusted to 40 gpm during the SVE shutdown period. Once the evaluation is complete the GETS will be adjusted to allow for the system to run at 45 gpm.

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 currently being evaluated for continued operation. The system as approved by the WDNR was temporarily shutdown in October 2018.

Site name: Madison-Kipp Corporation

Reporting period from: 01/01/2022

To: 06/30/2022

Days in period: 181

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D. Economic and Cost Data to Date

- Total investigation cost: _____
- Implementation costs (design, capital and installation costs, excluding investigation costs): _____
- Total costs during the previous reporting period: _____
- Total costs during this reporting period: _____
- Total anticipated costs for the next reporting period: _____
- 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
Andrew Stehn	Project Engineer
Signature	Date
	01/13/2023

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
Signature	Date

Site name: Madison-Kipp Corporation

Reporting period from: 01/01/2022

To: 06/30/2022

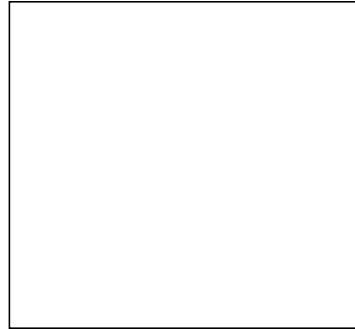
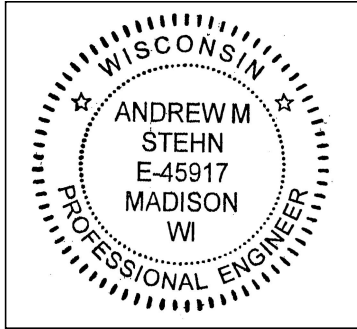
Days in period: 181

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**Professional Seal(s), if
applicable:**



Site name: Madison-Kipp Corporation

Reporting period from: 01/01/2022

To: 06/30/2022

Days in period: 181

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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

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: 8,861,524 gallons

5. Average groundwater extraction rate: 40 gpm

6. Quantity of dissolved phase contaminants removed during this time period in pounds: 79.2 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:

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: 2,090 (MW-5D2, April 2022) µg/L

d. Maximum contaminant concentration level in any extraction well of that contaminant: 1,110 (June 2022) µg/L

Site name: Madison-Kipp Corporation

Reporting period from: 01/01/2022

To: 06/30/2022

Days in period: 181

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

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- e. If the maximum concentration in a monitoring well is more than 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.
- Groundwater contour map with capture zone indicated.
- Groundwater contaminant distribution map (may be combined with contour map).
- Graph of cumulative contaminant removal, if both free product recovery and ground water extraction are used, provide separate graphs.(Attachment 1 - Trend Plot A.1)
- 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 - Trend Plot A.2)
 - Graph of contaminant concentrations versus time for the monitoring well with the greatest level of contamination. (Attachment 1- Trend Plot A.3)
- Groundwater contaminant chemistry table. (See Table 5 and Attachment 5)
- Groundwater elevations table. (See Table 6)
- System operational data table. (Table 1)

Site name: Madison-Kipp Corporation

Reporting period from: 01/01/2022

To: 06/30/2022

Days in period: 181

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

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Section GW-2, In Situ Air Sparging Systems

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.

Site name: Madison-Kipp Corporation

Reporting period from: 01/01/2022

To: 06/30/2022

Days in period: 181

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 07/19)

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

A. Effectiveness Evaluation

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

a. Contaminant: _____

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.

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Section GW-4, Other Groundwater Remediation Methods

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: _____ 0
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain):
0, SVE system temporarily shutdown since October 2018 per WDNR approval.
3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:
0
4. Average depth to groundwater: 22.61 (April 2022) ft

B. Building Basement/Subslab Venting System Operation

1. Number of venting points available and number of points actually in use during the period: _____ 0
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain):
0
3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:
0

C. Effectiveness Evaluation

1. Average contaminant removal rate for the entire system: _____ 0 _____ pounds per day
2. Average contaminant removal rate per well or venting point: _____ 0 _____ pounds per day
3. If the average contaminant removal rate is less than one pound per day for the entire system, or if the average contaminant removal rate per well is less than one tenth of a pound per day, evaluate the following:
 - a. If contaminants are aerobically biodegradable and confirmation borings have not been drilled in the past year:
 - i. Oxygen levels in extracted air: _____ percent
 - ii. Methane levels in extracted air (ppmv) If over 10 ppmv, explain:

 - iii. If methane is not present above 10 ppmv and if oxygen is greater than 20 percent in extracted air, you should either:
 - o Drill confirmation borings during the next reporting period, if the entire site should be considered for closure.
 - o 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. (See Figure 3)
- If water table monitoring wells are present at the site, a map of well locations. (Figure 2)
- Time versus vapor phase contaminant concentration graph. N/A
- Time versus cumulative contaminant removal graph. N/A
- Groundwater elevations table, if water table wells are present at the site; also list screen lengths and elevations. (Table 6)
- 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. (See Table 17 of the 2019 Annual Report)
- System operational data table. N/A

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

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.

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Section IS-3, Other In Situ Soil Remediation Methods

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.

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Section ES-1, Ex Situ Soil Treatment Using Biopiles

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.

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

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: _____ $\mu\text{g}/\text{kg}$

b. Specific compounds ($\mu\text{g}/\text{kg}$):

i. Benzene: _____ $\mu\text{g}/\text{kg}$

ii. 1,2 Dichloroethane: _____ $\mu\text{g}/\text{kg}$

iii. Ethylbenzene: _____ $\mu\text{g}/\text{kg}$

iv. Toluene: _____ $\mu\text{g}/\text{kg}$

v. Total xylenes: _____ $\mu\text{g}/\text{kg}$

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.

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Section ES-3, Landfills

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:

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B. Additional Attachments

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.

Section INS- 1, Section by Section Instructions and Information

Specific Section by Section Instructions for This Form. The site name and reporting period is listed on every page. Then if the pages are inadvertently separated, that information can be used to determine which pages form the report.

General Site Information

- A.1. List the name as it appears on the DNR tracking system. If the person filling out the form does not know what the name on the tracking system is, use the name that the DNR used in the most recent correspondence.
- A.2. The reporting period should be either from January 1 to June 30 or July 1 to December 31 for active systems. For passive systems, use a calendar year basis. If however the report covers a newly installed system, list the actual startup date instead of January 1 or July 1. For new passive systems, use the first date that monitoring data is available as the date of startup.
- A.3. Enter all regulatory agencies that regulate the site.
- A.4. This form is a DNR form. For that reason, list the DNR site number. If there are other agencies regulating the site, listing identification numbers for other agencies is also recommended, but not mandatory, unless specified by those other agencies.
- A.5. If the information listed for the site location is not sufficient information for a person to use to drive to a site (example: no street address in a rural area), also include a map that is sufficient for a person to use to drive to the site. A U.S. G.S. topographic map that shows the site location may be used.
- A.8. List the contaminants that have at one time exceeded the PALs or Table Values in ch. NR 720. If GRO and/or DRO exceed the ch. NR 720 standards, also list GRO and/or DRO. Do not list other contaminants that have never exceeded state standards at the site. If more room is necessary, write "SEE ATTACHED SHEETS" and list all contaminants on a separate sheet.
- A.9. List the predominant soil types that are contaminated. If there is both contaminated soil and groundwater at the site, list soil types both above and below the water table. If only some soil is contaminated, do not list the soil types that are uncontaminated. If the site soils meet soil cleanup criteria, but groundwater is contaminated, so state that. Specify if the USCS or USDA system is used for soil descriptions. This line specifies soil because the vast majority of contaminated sites do not have contaminated bedrock. If bedrock is contaminated, also list that bedrock type.
- A.10. If the groundwater meets ch. NR 140 standards, enter "NA - NO NR 140 EXCEEDANCES". Otherwise, list the estimated hydraulic conductivity and the method used to estimate it (bail-down tests, calculations based on grain size, pumping test, etc.) If the hydraulic conductivity has not been determined, state when the tests are to be conducted. When a number of test results are available, list the range of results and the geometric mean. If however some results have a low level of accuracy and some results have a high level of accuracy, you should only list the most accurate results. See the Section on aquifer testing in the *Guidance on Design, Installation and Operation of Ground Water Extraction and Product Recovery Systems* for more information.
- A.11. If the groundwater meets ch. NR 140 standards, enter "NA - NO NR 140 EXCEEDANCES". Otherwise, enter groundwater average linear velocity as a function of hydraulic conductivity, effective porosity and the groundwater gradient. You should use the geometric mean from A.11. (above) and the most representative value for the gradient at the site. Estimate the effective porosity based on soil types and geologic origin of the soil. If there are reasons to believe that the average liner velocity estimate is less than the actual rate at the site, so state that reason. Secondary porosity effects, flow through submerged utility trenches, widespread contaminant distribution in low permeability soils, etc., are reasons to assume that the actual migration rate is much greater than the predicted average linear velocity. In such cases, you should explain the reasoning for doubting the predicted average linear velocity.
- A.12. If the information listed for the soil treatment location is not sufficient information for a person to use to drive to a site, also include a map that is sufficient for a person to use to drive to the site. A U.S.G.S. topographic map or a plat map that shows the site location may be used.

- B. Check all methods used at a site. For example, if groundwater extraction, free product recovery and soil venting are used, check all three methods and submit the additional pages for those methods. If dual-phase or bioslurping are used, these methods extract both air and groundwater, check boxes for and attach additional pages for both soil venting and pump and treat.
- C. Remediation systems that use any form of enhancement are considered "active" and sites where there are no enhancements of any kind are considered "passive" forms of remediation. For purposes of these forms, natural attenuation (also called naturally occurring bioremediation) is "passive" and all other remediation methods are "active" methods.
- C.1. Design flow rates refers to flow rates such as gallons per minute extracted by a ground water extraction system, standard cubic feet per minute extracted by a soil venting system, standard cubic feet per minute injected by an in situ air sparging system, etc. If the actual flow rate is within 80 percent of the rate predicted in the design, consider that as meeting the design specification.
- D. The cost data in this section is used by DNR staff to evaluate whether or not the selected remedy is the most cost effective remedy and whether or not system modifications may be warranted to improve efficiency and/or cost effectiveness. Responsible parties and consultants are encouraged to submit cost information so that DNR staff may assist responsible parties and consultants accomplish environmental cleanups in the most cost effective manner.

Total costs for past costs are all costs to date. This information is for all costs that were incurred to investigate and/or remediate the site. These costs include but are not limited to: consulting labor and supplies, laboratory testing, transportation, equipment, etc. If the consultant does not pass all costs through the consulting firm, the consultant will need to contact their client for other non-consulting costs to determine total costs. Exceptions include costs for attorney fees, accounting, claim assistance in preparing claims to state reimbursement funds, or other indirect expenses that are not essential to remediating the site.

- D.2. The initial implementation costs are all costs that are incurred to start implementing a remedy at a site. Costs for the investigation however are excluded because those costs are incurred prior to remedy selection. Since costs for treatability and/or pilot testing are used to procure data for remedial design and are specific to different remediation methods, these costs should be included in implementation costs and not investigation costs. Startup or shakedown costs are also considered implementation costs and should not be considered operation and maintenance costs.
- D.3. Costs for implementation or investigation should not be repeated here or they will be double counted.
- D.4. Costs for implementation or investigation should not be repeated here or they will be double counted.
- D.5. Costs for implementation or investigation should not be repeated here or they will be double counted.
- D.6. Examples of one-time or unusual costs include the following:
 - o Replacing a burned out motor on a pump.
 - o Replacement of a well that was destroyed by a snowplow.
 - o Confirmation sampling to determine if the site meets closeout criteria. This type of cost is considered an unusual cost because this type of sampling is not conducted during most reporting periods.
- D.7. This estimate of costs is for all costs to close out a site minus the salvage value of any remediation equipment. Pertinent costs include items such as well abandonment, equipment removal from the site, consulting costs associated with these items, etc. Do not include any costs that will not be paid by a state reimbursement fund, such as repaving.

Section GW-1, Groundwater Extraction and Product Recovery

- A.1. List two numbers, the total number of extraction wells at the site and the number that were in actual use during the period. If all wells were in use, state that on the form.
- A.2. The number of days of operation are the number of days that the system was actually operated. If the system was shut down for reasons such as: repairs were necessary, piping froze, shut down to provide time for subsurface conditions to equilibrate before sampling, etc., do not list those days as being in operation.
- A.3. System utilization is a measure of the amount of time that the system operated relative to the amount of time that it could have operated.
- A.5. The average is for the entire site, not per well or trench. For purposes of determining the average ground water extraction rate, calculate the average based on the total volume of groundwater extracted divided by the time of the reporting period. For example, if the system operated at 10 gallons per minute for one month, the amount of water extracted would be approximately 432,000 gallons. If the reporting period was six months long, then the time period is approximately 260,000 minutes. Therefore, the average flow rate over six months is 432,000 divided by 260,000 minutes for an average flow rate of 1.67 gallons per minute (gpm).
- A.6. Calculate the total dissolved contaminants removed in pounds. If the estimate is a sum of BTEX and not based on a total hydrocarbon test (GRO and/or DRO), so state that on the form.
- B.3. The average should be based on the entire site over the entire reporting period. See instructions above for A.5. List the free product recovery rate as gallons per day (gpd), not gallons per minute (gpm).
- C.1. To answer this question, a thorough evaluation of water levels and chemical analyses in all monitoring points at the site is necessary.
- C.2. If the capture zone has not been determined mathematically, it will need to be determined to answer this question. See the *Guidance on Design, Installation and Operation of Ground Water Extraction and Product Recovery Systems* for and any recent update or errata sheets for more information on plume capture.
- C.4. When free product is present, line C.4.a. should state "FREE PRODUCT" and lines C.4.b. through C.4.d. are left blank. Otherwise, complete the following calculations.
There typically are several compounds at most contaminated sites that exceed the standards in ch. NR 140. The purpose of this question is to focus on the single contaminant that requires the most treatment to achieve groundwater quality standards on a percent reduction basis. For example, the most recent round of sampling at an example site demonstrated the highest levels of contaminants were 1,000 µg/L benzene and 1,000 µg/L toluene in the most heavily contaminated monitoring well. The ES and PAL for benzene is 5 µg/L and 0.5 µg/L (respectively) and for toluene the ES and PAL is 343 µg/L and 68.6 µg/L (ES and PAL data as of August 1995). Therefore the percent reduction to meet the ES and PAL for benzene is 99.5 and 99.95 percent and for toluene it is 65.7 and 93.14 percent. For that reason, the single contaminant that is most critical to reaching state groundwater standards is benzene. Therefore benzene is entered on line a. In this example, 99.5 and 99.95 percent is entered on line b. In this example, 1,000 µg/L is entered on line c. In this example, benzene is the driving factor, therefore enter the maximum benzene level in the single most heavily contaminated extraction well during the most recent sampling period on line d.
- D. See the generic discussion at the end of the instructions (below) for figures, graphs and tables, starting on page INS-2.

Section GW-2, In Situ Air Sparging

- B.1. See instructions for Section GW-1, Item C.4.
- C. See the generic discussion at the end of the instructions (below) for figures, graphs and tables, starting on page INS-2.

Section GW-3, Natural Attenuation in Groundwater

- A.1. See instructions for Section GW-1, Item C.4.
- A.2.a. List the estimated hydraulic conductivity that was listed on line A.11 in Section GI-1.
- A.2.b. List the groundwater average linear velocity that was listed on line A.12 in Section GI-1.
- A.3. Assess the monitoring well network to determine if there is a down gradient well that has not been impacted by the contaminants. Consider the possibility of a submerged (or diving) plume in that assessment. If all evidence indicates that the plume does not extend to the farthest "clean" downgradient well, indicate "YES" on the form. Otherwise indicate "NO" on the form. If there are not plans to install such a well, explain.
- A.4. Based on the contaminant distribution, evaluate whether or not the plume is expanding, stabilized, or contracting. When making this determination, consider the contaminant that requires the greatest percent reduction to achieve ch. NR 140 standards.
- A.5. If the plume is expanding and a justification is necessary, add additional sheets justifying why natural attenuation is still the appropriate remedy. If it is not, further describe in the explanation the plans to use a different remedy.
- A.6.a. Enter the upgradient dissolved oxygen (DO) level(s). If however there are contaminants measured in the upgradient well, it is not a true background measurement. In that case enter "UNKNOWN" on the form.
- A.6.b. Enter the range of DO values measured in wells within the plume.
- B. See the generic discussion at the end of the instructions (below) for figures, graphs and tables, starting on page INS-2.

Section GW-4, Other Groundwater Remediation Methods

- A.1. See instructions for Section GW-1, Item C.4.
- A.2. Self explanatory.
- A.3-4. Enter the information specified by the DNR for this method at this site.

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

- B.3. This subsection is used as a trigger for determining if the system requires an evaluation for future activities, such as improvements, converting the site to monitoring for natural attenuation, closure, etc. If an in situ respiration test must be performed, see Hinchee, R.E. and Ong, S.K. 1992. A Rapid In Situ Respiration Test for Measuring Aerobic Biodegradation Rates of Hydrocarbons in Soil. *Journal of the Air and Waste Management Association*. Volume 42, Number 10. Pages 1305 to 1312 for general procedures. For a discussion of methane monitoring, see the instructions for Section IS-2, item A.1.d., below. If the contaminant extraction rate in B.3. is greater than the trigger levels, leave lines B.3.a.i. and B.3.a.ii. blank.
- C. See the generic discussion at the end of the instructions (below) for figures, graphs and tables, starting on page INS-2.

Section IS-2, Natural Attenuation in Soil

- A.1. This data is used to assess subsurface conditions based on soil gas data. Whenever possible, a permanently installed gas probe should be used. If at all possible, the gas probe should be located in the part of the site that is most heavily contaminated, since that is the part of the site that is likely to take the longest amount of time to meet ch. NR 720 standards. Water table wells that have screen exposed above the water table are also good measuring points. When installing permanent gas probes, you should install the screen deep enough that a true measure of the most heavily contaminated soil is possible, but install the screen shallow enough to assure that it is not submerged by groundwater table fluctuations. In some situations where the depth of contamination is variable, consideration should be given to using nested gas probes instead of only using probes at a single depth. Measuring points that should not be used include temporary gas probes because these points are less repeatable from one monitoring event to the next. Also, if there has been an active soil venting system in use at the site, the air extraction wells should not be used because these wells are in locations that have had much more aggressive treatment than the rest of the site.
- A.1.a. A flame ionization detector (FID) is specified instead of a photo ionization detector (PID) because PIDs often read inaccurately in moist oxygen deficient/carbon dioxide rich atmospheres. Also, PIDs do not detect some petroleum compounds.
- A.1.d. Methane readings are used to measure for anaerobic conditions. When the original product that is lost is a refined petroleum product (not crude oil), there should not be any methane within the product. Methane however may be produced under very anaerobic conditions. Any method may be used for measuring methane provided that the detection limit is less than a few ppm_v. One convenient method is to use an FID that is equipped with a granular activated carbon filter to filter out non-methane components. Some instrument manufacturers make these filters available as options. In some cases an FID will flame out due to an oxygen deficiency. Some instrument manufacturers offer a dilution device as an accessory that is designed to prevent flameouts and also raises the upper limit of measurement to 10,000 ppm_v or higher. If the meter "pegs" at 10,000 ppm_v (or one percent), enter ">10,000 ppm_v."
- A.2. The background monitoring point is predominantly used to measure natural oxygen and carbon dioxide levels in soil over time. For this reason, the background monitoring point should be reasonably close to the site, but not so close that the conditions are no longer representative. Considerable variations over time can occur, this background point should be measured during every sample event. Considerations for determining if a background point is representative include:
 - o If an on-site background point has minor levels of VOCs in it due to gas phase diffusion, that is acceptable, but if the levels are high, it may not be representative of true background conditions.
 - o Background oxygen and carbon dioxide levels vary with soil type and natural organic carbon content. For this reason, if at all possible, the soil types should be identical within the screened interval of all gas probes.
 - o The same depths should be used for all gas probes to allow comparison from one location to the next. If the depth to water varies greatly across the site, a certain amount of confusion in the data is likely. In this case, use professional judgement to provide the best data possible at a reasonable cost.
- A.3. Enter this data for petroleum fuel sites. For other sites, provide the data that is most appropriate for the situation.
- B. Cross sections are self explanatory, see the generic discussion at the end of the instructions (below) for other attachments.

Section IS-3, Other In Situ Soil Treatment Methods

- A.2. Enter the information specified by the DNR for this method at this site.

Site name: Madison-Kipp Corporation

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Section ES-1, Ex Situ Soil Treatment Using Biopiles

- A.3.a. The term "artificial nutrients" essentially means agricultural fertilizers or any other fertilizer products.
- A.3.a.i. The types of fertilizers that are added should be listed here by chemical names, not by vendor trade names.
- A.3.a.ii. List nitrogen content as N, list phosphorous content as phosphoric acid (P₂O₅). Note: Fertilizer ratings are based not on actual content of N, P and K, but on nitrogen (as N), phosphorous (as P₂O₅) and potassium (as K₂O).
- A.4.c. See example calculations at the end of this set of instructions.
- A.5. Enter this data for petroleum fuel sites. For other sites, provide the data that is most appropriate for the situation.
- B. The figure is self explanatory. See the generic discussion at the end of the instructions (below) for instructions for the tables.

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

- B. A map to scale of the landspreading location including and landmarks or benchmarks. When samples have been collected, the distances to any landmarks or benchmarks should be indicated.

Section ES-3, Other Ex Situ Soil Treatment Methods

- A.2. Enter the information specified by the DNR for this method at this site.

Section INS- 2, Figures, Graphs and Tables

When figures and graphs are specified, they should at a minimum contain the following information, or an explanation as to why the information is not necessary.

Maps. All maps should include the applicable information specified in s. NR 724.11(6), Wis. Adm. Code. In most cases, all information can be combined into a single map. There are times that a single map will have so much data that it is essentially unreadable. The consultant should use professional judgement when determining if a single map or multiple maps best portray the information necessary.

- Groundwater Contour Map Guidelines.
 - List groundwater elevations for each measuring point on the map.
 - Use the most recent data available.
 - For water table maps, do not use data from deeper piezometers. If piezometer data is shown, use a different symbol for the piezometers than used for water table wells.
 - If any wells are dry, indicate that on the map.
 - If free product is present at site, shade the area where free product is estimated to be present.
 - If groundwater is extracted with a pump and treat system, also denote plume capture zone.
 - If in situ air sparging or soil venting is in use, specify on the map if the system was operating or shut down during the water level measurements. See the Subsection on water table maps in the *Guidance on Design, Installation and Operation of Ground Water Extraction and Product Recovery Systems* for more information on this topic.
- Groundwater Contaminant Distribution Map Guidelines.
 - Only contaminants that exceed the ch. NR 140 ES or PAL should be shown on the map. When contaminants are above the PAL or ES at some data points and below the PAL or ES at other data points, list the data for all locations to portray which areas of the site meet ch. NR 140 groundwater quality standards.
 - If a well is not sampled due to the presence of free product indicate "FREE PRODUCT" at those data points.
 - If more than five contaminants exceed ch. NR 140 ES, only the five contaminants that require the greatest percent reduction to achieve ch. NR 140 ES or PAL should be shown on the map.
 - Drawing isoconcentration lines is optional, unless specified for the site on a site specific basis.
 - If the contamination has crossed the property line, that property line should be clearly denoted on the map.
 - If in situ air sparging is used, water samples from ch. NR 141 type monitoring wells may not represent aquifer water quality as a whole. For that reason, groundwater data should be obtained from driven probes with no filter pack. If there are no driven probes and conventional ch. NR 141 monitoring wells are used, shut down the air injection system at least two weeks prior to collecting groundwater samples. See the *Guidance on Design, Installation and Operation of In Situ Air Sparging Systems* and the August 1995 update sheets for more information on this topic.
- Dissolved Oxygen Map Guidelines.
 - Dissolved oxygen data may be shown on the contaminant concentration graphs or on a separate graph.
 - Dissolved oxygen maps are optional for ground water extraction and product recovery systems.
 - When in situ air sparging is used, monitoring points may not represent aquifer water quality as a whole. For that reason, groundwater data should be obtained from driven probes with no filter pack. If there are no driven probes and conventional ch. NR 141 monitoring wells are used, shut down the air injection system at least two weeks prior to collecting groundwater samples for DO. See the *Guidance on Design, Installation and Operation of In Situ Air Sparging Systems* and the August 1995 update sheets for more information on this topic.
- Well and Soil Sample Location Map Guidelines. Well and sample location maps for all methods should clearly indicate the location(s) of the release or the area where soil contamination historically has been highest. Also, if part of the contamination has been excavated, the pit boundaries.

The recommended documentation for each remedial method is as follows:

- Groundwater Extraction and Product Recovery - separate well location maps should not be provided, instead the wells should be indicated on the groundwater contour and contaminant distribution maps.
- In Situ Air Sparging - the map should indicate all air injection wells, soil venting extraction wells, and all groundwater monitoring points.

Maps (Continued).

- Natural Attenuation in Groundwater - separate well location maps should not be provided, instead the wells should be indicated on the groundwater contour maps.
- Soil Venting - indicate all air extraction wells. If any gas probes are used to assess subsurface conditions in either contaminated zones or background locations, also indicate those data points with a different symbol. If soil samples have been collected recently to track progress, indicate those locations with the date of sampling noted on the map.
- Natural Attenuation in Soil - show all monitoring points. Indicate which data points are background measuring points. If soil samples have been collected recently to track progress, indicate those locations with the date of sampling noted on the map. If the site was previously treated by soil venting, the locations of former air extraction wells should also be shown since these are areas where aggressive treatment has been applied. Also show area(s) of paved and unpaved ground surface. If pavement is significantly broken to allow significant water infiltration and air diffusion, map that area as broken pavement.

Graphs. All graphs that show time versus contaminant concentration or cumulative contaminant removal should be based on total time, not only operation time. All graphs that denote cumulative removal should use pounds of contaminant removed. Graphs should accurately show the time period(s) when the system was not operating. Plot time on the X axis, concentration or cumulative removal data on the Y axis.

- Time Versus Cumulative Removal. The recommended documentation for each remedial method is as follows:
 - Groundwater Extraction and Product Recovery - separate graphs should be used for free product recovery and dissolved phase recovery. A single graph for each phase is adequate, per well graphs are only necessary when specified by the Department on a site specific basis.
 - In Situ Air Sparging - no graph is necessary (removal data is shown on the graphs for the soil venting system).
 - Natural Attenuation in Groundwater - no graph is necessary.
 - Soil Venting - provide a graph of cumulative removal for total VOCs for the total system.
 - Natural Attenuation in Soil - no graph is necessary.
 - Ex Situ Soil Treatment Using Biopiles - Provide two graphs, one showing cumulative removal of total VOCs and a second graph showing total contaminant biodegradation over time.
 - Ex Situ Soil Treatment Using Landspreading/Thinspreading - no graphs are needed.
- Time Versus Contamination Concentration Graphs. Create graphs with contamination level on the y axis (semilog scale) and time on the x axis (linear scale). If free product is present, time versus contamination concentration graphs are not necessary.

The recommended documentation for each remedial method is as follows:

- Groundwater Extraction and Product Recovery - graph the contaminant level over time for the groundwater that is extracted by the extraction system. List all compounds that exceed ch. NR 140 ES or PAL. If over five contaminants exceed ch. NR 140 ES or PAL, only list the five contaminants that exceed ch. NR 140 standards by the greatest percent.
- In Situ Air Sparging - provide a graph for the single monitoring well that is most heavily contaminated. If over five contaminants exceed ch. NR 140 ES or PAL, only list the five contaminants that exceed ch. NR 140 standards by the greatest percent.
- Natural Attenuation in Groundwater - provide a graph for all monitoring wells that contain any compounds that exceed ch. NR 140 standards. If over five contaminants exceed ch. NR 140 ES or PAL, only list the five contaminants that exceed ch. NR 140 standards by the greatest percent.
- Soil Venting - provide a graph of contaminant concentration over time for the entire system for total VOCs. If any gas probes are used to assess subsurface conditions in either contaminated zones, also provide a graph with the data from the most heavily contaminated gas probe.
- Natural Attenuation in Soil - provide a graph of contaminant concentration over time for total vapor phase VOCs as measured with an FID, oxygen, carbon dioxide and methane in a gas probe.
- Ex Situ Soil Treatment Using Biopiles - no graph is necessary.
- Ex Situ Soil Treatment Using Landspreading/Thinspreading - no graphs are needed.

Graphs (Continued).

- Graph of Contaminant Concentrations Versus Distance. If free product is present, a graph of contaminant concentrations versus distance is not necessary.

The recommended documentation for each remedial method is as follows:

- Groundwater Extraction and Product Recovery - no graph is necessary.
- In Situ Air Sparging and Natural Attenuation in Groundwater - plot a graph with distance (on the x axis, linear scale) and contaminant concentrations (y axis, log scale) from the upgradient measurement point to the farthest downgradient data point along the centerline of the plume. List the same contaminants as shown on the Time Versus Contaminant Concentration Graphs. Clearly show the source area on the graph. If free product has been present, label the data points that previously contained free product. For in situ air sparging, see comments above about samples collected from conventional monitoring wells with filter packs versus driven probes.

Tables. Whenever possible, data over the life of the project should be listed.

The recommended documentation for each type of table is as follows:

- Groundwater Contaminant Chemistry Data.

List:

- Contamination levels for all contaminants that exceed ch. NR 140 standards.
- Dissolved oxygen levels if applicable.
- Other biological parameters, if applicable (nitrogen, phosphorous, manganese, sulphate, iron, dissolved methane, redox potential, pH, microbial population size, etc.). See instructions for page GW-3 for more information on these parameters. Also, list the dates the samples were collected and the standard methods used to analyze the samples.

- Groundwater Biological Parameters.

For natural attenuation in groundwater only, these measurements should be listed (if known) to provide information on biodegradation. This table is not necessary for free product extraction, groundwater extraction or in situ air sparging.

Provide a table that includes any results of tests conducted for dissolved oxygen, nitrate, manganese, iron, sulphate, methane, redox potential, heterotrophic and/or hydrocarbon degrading microorganism populations. Identify on the table if the monitoring locations are upgradient, side gradient, downgradient, or within the plume, dates of sampling, and the analytical methods used for those parameters. Include all data for the life of the project. Since some of these tests are only conducted once, or periodically - enter "NS" in the table for not sampled for any parameters that were not sampled during a particular round of sampling.

When asked to list the standard methods, list the method if a standard method exists. There are however some tests (for example dissolved methane) where there are no official standard laboratory or field methods. In this case the laboratory will have to create their own standard procedures. In these cases list the name of the laboratory and that laboratory's name for that test.

Specific considerations for each parameter are as follows:

- Dissolved oxygen (mg/L). The most efficient mechanism for natural or enhanced biodegradation of petroleum compounds is aerobic biodegradation.
- Nitrate (mg/L as N). Nitrate (NO_3^{-1}) is a potential electron acceptor for denitrification and also serves as a nutrient for heterotrophic microbial populations to enhance aerobic biodegradation. Decreasing nitrate levels from background wells to wells within the plume are an indication of either aerobic or anaerobic biodegradation.
- Manganese as Mn^{+2} (mg/L). Manganese as Mn^{+4} is converted to soluble manganese as Mn^{+2} under anaerobic biodegradation. For this reason, total manganese analysis is not appropriate, only soluble manganese as Mn^{+2} . When the levels of soluble manganese are higher in wells within the plume than in background wells, that is an indication of anaerobic biodegradation.
- Iron as Fe^{+2} (mg/L). Iron as Fe^{+3} is converted to soluble iron as Fe^{+2} under anaerobic biodegradation. For this reason, total iron analysis is not appropriate, only soluble iron as Fe^{+2} . When the levels of soluble iron are higher in wells within the plume than in background wells, that is an indication of anaerobic biodegradation.

Tables (Continued).

- Dissolved sulphate (SO_4^{-2} , mg/L). Sulphate (SO_4^{-2}) is a potential electron acceptor. Decreasing sulphate levels from background wells to wells within the plume are an indication of anaerobic biodegradation.
- Dissolved methane (mg/L). Methane is produced under anaerobic conditions. Since background methane levels can usually be assumed to be zero, in most cases only measurements within the plume are used. Exceptions are when the natural soils have very high levels of TOC (for example peat), background methane levels are also warranted. When the contaminant is crude oil instead of a refined petroleum product, methane measurements may however cause erratic results. Significant amounts of methane may be created when other electron acceptors (NO_3^{-1} , Mn^{+4} , Fe^{+3} and SO_4^{-2}) are exhausted. For this reason, significant levels of methane are indicative of very very anaerobic conditions.
- Redox potential (millivolts, include + or - sign). Redox potential is another measure of the level of aerobic/anaerobic conditions, however it is a much more sensitive measurement than DO at very low levels of DO.
- Heterotrophic and hydrocarbon degrading microorganism populations (CFU/mL). Heterotrophic and specific hydrocarbon degrader population sizes should be listed for both background locations and locations within the plume, if there is information available. There is disagreement by many of the experts within the field as to the merits of sampling for this parameter. Refer to other DNR guidance documents on natural attenuation (or passive bioremediation) for more information on this topic.

- Soil Gas Data.

The recommended documentation for each remedial method is as follows:

- When natural attenuation in soil is used, provide a graph of all soil gas readings over time for every data point.
- When soil venting is used, if a gas probe is used to assess subsurface conditions over time in a location where air is not extracted, provide that data in a table.

- System Operational Data.

The recommended documentation for each remedial method is as follows:

- Groundwater Extraction and Product Recovery:
 - Well by well flow rates in gpm for each extraction well. If a well is off line, list flow rate as "ZERO." Clearly denote on the table periods of system shutdown.
- In Situ Air Sparging:
 - Air pressure and injection flow rates in scfm for each well. If a well is off line, list flow rate as "ZERO." Clearly denote on the table periods of system shutdown.
- Natural Attenuation in Groundwater - no table needed.
- Soil Venting:
 - Vacuum readings and extraction rates in scfm for each well. If a well is off line, list flow rate as "ZERO." Clearly denote on the table periods of system shutdown.
 - Air concentrations in ppmv or in mg/L for total VOCs.
 - Total system contaminants removed in pounds and the pounds per day removal rate.
- Natural Attenuation in Soil - no table needed.

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Tables (Continued).

- Ex Situ Soil Treatment Using Biopiles:
 - o If forced air ventilation is used:
 - System extraction rates in scfm.
 - Air concentrations in ppm_v for total VOCs.
 - Total system contaminants removed in pounds and the pounds per day removal rate.
 - Temperature.
 - o If passive ventilation is used, a table of temperatures.
- Ex Situ Soil Treatment Using Landspreading/Thinspreading - no table is needed.

Acronyms and Abbreviations:

CFU/mL	colony forming units per milliliter
cm/sec	centimeters per second
DATCP	Department of Agriculture, Trade and Consumer Protection
DCOM	Department of Commerce
DNR	Department of Natural Resources
DO	Dissolved Oxygen
DRO	Diesel Range Organics
ES	Enforcement Standards in NR 140
FID	Flame Ionization Detector
ft/yr	feet per year
gpd	gallons per day
gpm	gallons per minute
GRO	Gasoline Range Organics
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
NR	prefix for rules established by the DNR
P.E.	Registered Professional Engineer
P.G.	Registered Professional Geologist
PAL	Preventative Action Limit in NR 140
PECFA	the state sponsored cleanup fund for certain petroleum contaminated sites
ppmv	parts per million by volume (vapor phase only)
scfm	standard cubic feet per minute
TOC	Total Organic Carbon
USCS	Unified Soil Classification System
USDA	United States Department of Agriculture
µg/kg	micrograms per kilogram
µg/mL	micrograms per milliliter
VOC	Volatile Organic Compounds
Y/N	Yes or No

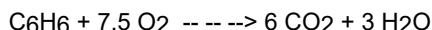
Section INS-3, Example Calculations for Determining the Biodegradation Rate on Forced Air Biopiles

Important Note: This page uses a nonproportional font and characters that are unique to WordPerfect. If the user received this document electronically, this page may need to be converted to a different font for the formulas to print correctly. The original font used for this page was prestige elite with 16.67 characters per inch.

Assumptions:

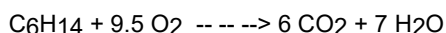
- The measurements at the stack are as follows:
 - Average flow rate is 20 scfm.
 - Average oxygen level extracted from biopile is 14.0 percent by volume.
 - Average carbon dioxide level extracted from biopile is 3.5 percent by volume or 35,000 ppmv.
- Atmospheric air contains 21 percent oxygen by volume and 400 ppmv (or 0.04 percent) carbon dioxide. (Note: On each site visit, the consultant should check atmospheric air to assure that the instrument is spanned correctly.)
- Atmospheric air weight 0.0763 pounds per cubic foot at standard temperature and pressure (Gibbs, 1971).
- Average molecular weight of air is 28.97 (Gibbs, 1971) which is rounded off to 29, molecular weight of O2 is 32, molecular weight of CO2 is 44.
- For every pound of contaminants biodegraded, 3.3 pounds of oxygen is utilized and up to 3.2 pounds of carbon dioxide is generated.

-- The stoichiometry of aerobic benzene biodegradation can be described as follows:



Based on this, benzene biodegradation requires that 3.07 pounds of oxygen are utilized to fully oxidize one pound of benzene, assuming no electron acceptors other than oxygen are used. Assuming no biomass is produced and no geochemical reactions consume carbon dioxide, 3.38 pounds of carbon dioxide is generated from one pound of benzene.

-- The stoichiometry of aerobic hexane biodegradation can be described as follows:



Based on the above assumptions, hexane biodegradation requires 3.52 pounds of oxygen and generates up to 3.06 pounds of carbon dioxide.

Other hydrocarbons also require a similar ratio of oxygen for aerobic biodegradation. For purposes of this guidance it is assumed that a pound of petroleum contamination requires 3.3 pounds of oxygen and generates up to 3.2 pounds of carbon dioxide and 1.1 pounds of water in the biodegradation reaction.

Calculations:

Oxygen utilization rate:

$$\frac{(0.21 - 0.14) * \frac{32 \text{ pounds}}{29 \text{ ft}^3} * 0.0763 \frac{\text{ft}^3}{\text{min}} * 20 \frac{\text{min}}{\text{hour}} * 60}{1} = 7.07 \frac{\text{pounds}}{\text{hour}}$$

Carbon dioxide production rate:

$$\frac{(0.035 - 0.0004) * \frac{44 \text{ pounds}}{29 \text{ ft}^3} * 0.0763 \frac{\text{ft}^3}{\text{min}} * 20 \frac{\text{min}}{\text{hour}} * 60}{1} = 4.81 \frac{\text{pounds}}{\text{hour}}$$

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Calculations (Continued):

Biodegradation rate based on oxygen:

$$7.07 / 3.3 = 2.1 \text{ pounds per hour}$$

Biodegradation rate based on carbon dioxide:

$$4.81 / 3.2 = 1.5 \text{ pounds per hour}$$

Since the biodegradation rate is based on oxygen utilization and/or carbon dioxide generation, it is a measure of the overall biodegradation rate of all carbon sources, including natural organic carbon and any organic materials that were added. For this reason, the biodegradation rate is not specific to hydrocarbons and it is likely that the measured biodegradation rate will overestimate the rate of contaminant reduction.

Commonly the measured biodegradation rate based on carbon dioxide generation is less than the rate estimated with oxygen. Because of geochemical interferences and biomass formation, estimates based on carbon dioxide measurements are often low. If however the biodegradation rate estimate based on carbon dioxide is significantly greater than the estimate based on oxygen, it is likely that there is a measurement or calculation error. In this way, the carbon dioxide measurements can be used to double check the oxygen measurements and calculations.

Attachment 3
June 2022 WPDES DMR Submittals

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: MADISON KIPP CORPORATION
 Contact Address: 708 Heartland Trail, Suite 3000
 Madison, WI 53717
 Facility Contact: Andrew Stehn, Project Engineer
 Phone Number: 608-826-3665
 Reporting Period: 06/01/2022 - 06/30/2022
 Form Due Date: 07/21/2022
 Permit Number: 0046566

Date Received:	
DOC:	494964
FIN:	7960
FID:	113125320
Region:	South Central Region
Permit Drafter:	Drafter not set
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001
	Description	Surface Water Discharge	Surface Water Discharge
	Parameter	211	457
	Description	Flow Rate	Suspended Solids, Total
	Units	gpd	mg/L
	Sample Type	ESTIMATED	GRAB
	Frequency	DAILY	PER OCCURANCE
Sample Results	Day 1	50400	
	2	50400	
	3	50400	
	4	50400	
	5	50400	
	6	50400	
	7	50400	
	8	50400	
	9	50400	0.54
	10	50400	
	11	50400	
	12	50400	
	13	31430	
	14	0	
	15	24415	
	16	53280	
	17	53280	
	18	53280	
	19	47952	
	20	0	
	21	0	
	22	0	
	23	33702	0.53
	24	57600	
	25	57600	
	26	57600	
	27	35125	
	28	50400	
	29	50400	
	30	50400	
	31		

	Sample Point	001		001	
	Description	Surface Water Discharge		Surface Water Discharge	
	Parameter	211		457	
	Description	Flow Rate		Suspended Solids, Total	
	Units	gpd		mg/L	
Summary Values	Monthly Avg	42042.1333333333		0.535	
	Daily Max	57600		0.54	
	Daily Min	0		0.53	
Limit(s) in Effect	Daily Max			40	0
QA/QC Information	LOD			0.49	
	LOQ			1	
	QC Exceedance	N		N	
	Lab Certification			405132750	

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

New P-200 pump was installed on 6/15/22. Flow rate has varied from 35 to 40 gpm this month as potential pipe cleaning is evaluated.

Laboratory Quality Control Comments

Submitted by bwachholz1 on 07/21/2022 3:30:50 PM

Wastewater Discharge Monitoring Short Report

For DNR Use Only

Facility Name : MADISON KIPP CORPORATION
 Contact Address : 708 Heartland Trail, Suite 3000
 Madison, WI 53717
 Facility Contact : Andrew Stehn, Project Engineer
 Phone Number : 608-826-3665
 Reporting Period : 04/01/2022 - 06/30/2022
 Form Due Date : 07/21/2022
 Permit Number : **0046566**

Date Received:	
DOC:	495828
FIN:	7960
FID:	113125320
Region:	South Central Region
Permit Drafter:	Drafter not set
Reviewer:	Reviewer not set
Office:	Reviewer not set

Sample Point	Parameter #	Parameter	Date Sample	Sample Type	Sample Results	Units	Limit Type	Limit	LOD	LOQ	QC Exceed?	Lab Certification
001	40	Benzene	06/09/2022	GRAB	<0.30	ug/L	Monthly Avg	50(0)	0.30	1.0	N	405132750
001	54	BETX, Total	06/09/2022	GRAB	<1.0	ug/L	Monthly Avg	750(0)			N	405132750
001	393	PAHs	06/09/2022	GRAB	<0.025	ug/L	Monthly Avg	0.10(0)			N	405132750
001	44	Benzo(a)pyrene	06/09/2022	GRAB	<0.019	ug/L	Monthly Avg	0.10(0)	0.019	0.047	N	405132750
001	307	Naphthalene	06/09/2022	GRAB	<0.019	ug/L	Monthly Avg	70(0)	0.019	0.047	N	405132750
001	80	Bromoform	06/09/2022	GRAB	<3.8	ug/L	Monthly Avg	120(0)	3.8	5.0	N	405132750
001	93	Carbon tetrachloride	06/09/2022	GRAB	<0.37	ug/L		*****	0.37	1.0	N	405132750
001	118	Chloroform	06/09/2022	GRAB	<1.2	ug/L	Monthly Avg	120(0)	1.2	5.0	N	405132750
001	174	Dichlorobromo- methane (bromo-	06/09/2022	GRAB	<0.42	ug/L	Monthly Avg	120(0)	0.42	1.0	N	405132750
001	570	1,2-Dichloro- ethane	06/09/2022	GRAB	<0.29	ug/L	Monthly Avg	180(0)	0.29	1.0	N	405132750
001	558	1,1-Dichloro- ethylene	06/09/2022	GRAB	<0.58	ug/L	Monthly Avg	50(0)	0.58	1.0	N	405132750
001	82	Methyl bromide	06/09/2022	GRAB	<1.2	ug/L	Monthly Avg	120(0)	1.2	5.0	N	405132750
001	120	Chloromethane	06/09/2022	GRAB	<1.6	ug/L	Monthly Avg	120(0)	1.6	5.0	N	405132750
001	565	1,1,2,2-Tetrachloro- ethane	06/09/2022	GRAB	<0.38	ug/L	Monthly Avg	50(0)	0.38	1.0	N	405132750
001	490	Tetrachloroethylene	06/09/2022	GRAB	4.2	ug/L	Monthly Avg	50(0)	0.41	1.0	N	405132750
001	563	1,1,2-Trichloro- ethane	06/09/2022	GRAB	<0.34	ug/L	Monthly Avg	50(0)	0.34	5.0	N	405132750
001	561	1,1,1-Trichloro- ethane	06/09/2022	GRAB	<0.30	ug/L	Monthly Avg	50(0)	0.30	1.0	N	405132750
001	508	Trichloro- ethylene	06/09/2022	GRAB	0.82	ug/L	Monthly Avg	50(0)	0.32	1.0	N	405132750
001	517	Vinyl chloride	06/09/2022	GRAB	<0.17	ug/L	Monthly Avg	10(0)	0.17	1.0	N	405132750

Wastewater Discharge Monitoring Short Report

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

No BTEX parameters were reported above the LOD. The parameter with the highest detection limit was reported.

No PAH group of 10 parameters were reported above the LOD. The parameter with the highest detection limit was reported.

Laboratory Quality Control Comments

Submitted by bwachholz1 on 07/21/2022 3:32:18 PM

Attachment 4

Quarterly GETS Influent and Effluent Groundwater and Vapor Laboratory Analytical Reports

7/6/2022

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

Project Name: MKC GETS
Project #: 470140 Phase 2 Task 2
Workorder #: 2206773

Dear Mr. Andrew Stehn

The following report includes the data for the above referenced project for sample(s) received on 6/28/2022 at Eurofins Air Toxics LLC.

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 LLC. 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: Jade White at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Jade White
Project Manager

WORK ORDER #: 2206773

Work Order Summary

CLIENT:	Mr. Andrew Stehn TRC Companies, Inc. 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. #	167381
FAX:	608-826-3941	PROJECT #	470140 Phase 2 Task 2 MKC GETS
DATE RECEIVED:	06/28/2022	CONTACT:	Jade White
DATE COMPLETED:	07/06/2022		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	EFFLUENT	TO-15	6.7 "Hg	9.9 psi
02A	INFLUENT	TO-15	4.9 "Hg	9.9 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: 

 Technical Director

DATE: 07/06/22

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.

Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
 (916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
EPA Method TO-15
TRC Corporation (RMT)
Workorder# 2206773

Two 1 Liter Summa Canister samples were received on June 28, 2022. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

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.

Dilution was performed on sample 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

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

Client Sample ID: EFFLUENT

Lab ID#: 2206773-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.1	3.6	2.7	9.2
cis-1,2-Dichloroethene	1.1	89	4.3	350
Trichloroethene	1.1	16	5.8	86
Toluene	1.1	2.3	4.0	8.8
Tetrachloroethene	1.1	200	7.3	1400

Client Sample ID: INFLUENT

Lab ID#: 2206773-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	10	610	40	2400
Trichloroethene	10	320	54	1700
Tetrachloroethene	10	2400	68	16000



Air Toxics

Client Sample ID: EFFLUENT

Lab ID#: 2206773-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p070116	Date of Collection:	6/27/22 1:36:00 PM
Dil. Factor:	2.15	Date of Analysis:	7/1/22 11:17 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.1	Not Detected	5.3	Not Detected
Freon 114	1.1	Not Detected	7.5	Not Detected
Chloromethane	11	Not Detected	22	Not Detected
Vinyl Chloride	1.1	3.6	2.7	9.2
Bromomethane	11	Not Detected	42	Not Detected
Chloroethane	4.3	Not Detected	11	Not Detected
Freon 11	1.1	Not Detected	6.0	Not Detected
Freon 113	1.1	Not Detected	8.2	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.3	Not Detected
Methylene Chloride	11	Not Detected	37	Not Detected
Methyl tert-butyl ether	4.3	Not Detected	16	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.4	Not Detected
cis-1,2-Dichloroethene	1.1	89	4.3	350
Chloroform	1.1	Not Detected	5.2	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	5.9	Not Detected
Carbon Tetrachloride	1.1	Not Detected	6.8	Not Detected
Benzene	1.1	Not Detected	3.4	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.4	Not Detected
Trichloroethene	1.1	16	5.8	86
1,2-Dichloropropane	1.1	Not Detected	5.0	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	4.9	Not Detected
Toluene	1.1	2.3	4.0	8.8
trans-1,3-Dichloropropene	1.1	Not Detected	4.9	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	5.9	Not Detected
Tetrachloroethene	1.1	200	7.3	1400
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.3	Not Detected
Chlorobenzene	1.1	Not Detected	4.9	Not Detected
Ethyl Benzene	1.1	Not Detected	4.7	Not Detected
m,p-Xylene	1.1	Not Detected	4.7	Not Detected
o-Xylene	1.1	Not Detected	4.7	Not Detected
Styrene	1.1	Not Detected	4.6	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.4	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.3	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.3	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.5	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.5	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.6	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.5	Not Detected
1,2,4-Trichlorobenzene	4.3	Not Detected	32	Not Detected
Hexachlorobutadiene	4.3	Not Detected	46	Not Detected

Container Type: 1 Liter Summa Canister

Client Sample ID: EFFLUENT

Lab ID#: 2206773-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p070116	Date of Collection:	6/27/22 1:36:00 PM
Dil. Factor:	2.15	Date of Analysis:	7/1/22 11:17 PM

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	118	70-130
4-Bromofluorobenzene	105	70-130



Air Toxics

Client Sample ID: INFLUENT

Lab ID#: 2206773-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p070117	Date of Collection:	6/27/22 1:46:00 PM
Dil. Factor:	20.0	Date of Analysis:	7/1/22 11:45 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	10	Not Detected	49	Not Detected
Freon 114	10	Not Detected	70	Not Detected
Chloromethane	100	Not Detected	210	Not Detected
Vinyl Chloride	10	Not Detected	26	Not Detected
Bromomethane	100	Not Detected	390	Not Detected
Chloroethane	40	Not Detected	100	Not Detected
Freon 11	10	Not Detected	56	Not Detected
Freon 113	10	Not Detected	77	Not Detected
1,1-Dichloroethene	10	Not Detected	40	Not Detected
Methylene Chloride	100	Not Detected	350	Not Detected
Methyl tert-butyl ether	40	Not Detected	140	Not Detected
1,1-Dichloroethane	10	Not Detected	40	Not Detected
cis-1,2-Dichloroethene	10	610	40	2400
Chloroform	10	Not Detected	49	Not Detected
1,1,1-Trichloroethane	10	Not Detected	54	Not Detected
Carbon Tetrachloride	10	Not Detected	63	Not Detected
Benzene	10	Not Detected	32	Not Detected
1,2-Dichloroethane	10	Not Detected	40	Not Detected
Trichloroethene	10	320	54	1700
1,2-Dichloropropane	10	Not Detected	46	Not Detected
cis-1,3-Dichloropropene	10	Not Detected	45	Not Detected
Toluene	10	Not Detected	38	Not Detected
trans-1,3-Dichloropropene	10	Not Detected	45	Not Detected
1,1,2-Trichloroethane	10	Not Detected	54	Not Detected
Tetrachloroethene	10	2400	68	16000
1,2-Dibromoethane (EDB)	10	Not Detected	77	Not Detected
Chlorobenzene	10	Not Detected	46	Not Detected
Ethyl Benzene	10	Not Detected	43	Not Detected
m,p-Xylene	10	Not Detected	43	Not Detected
o-Xylene	10	Not Detected	43	Not Detected
Styrene	10	Not Detected	42	Not Detected
1,1,2,2-Tetrachloroethane	10	Not Detected	69	Not Detected
1,3,5-Trimethylbenzene	10	Not Detected	49	Not Detected
1,2,4-Trimethylbenzene	10	Not Detected	49	Not Detected
1,3-Dichlorobenzene	10	Not Detected	60	Not Detected
1,4-Dichlorobenzene	10	Not Detected	60	Not Detected
alpha-Chlorotoluene	10	Not Detected	52	Not Detected
1,2-Dichlorobenzene	10	Not Detected	60	Not Detected
1,2,4-Trichlorobenzene	40	Not Detected	300	Not Detected
Hexachlorobutadiene	40	Not Detected	430	Not Detected

Container Type: 1 Liter Summa Canister

Client Sample ID: INFLUENT

Lab ID#: 2206773-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p070117	Date of Collection: 6/27/22 1:46:00 PM
Dil. Factor:	20.0	Date of Analysis: 7/1/22 11:45 PM

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	115	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2206773-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p070106c	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	7/1/22 03:17 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

Client Sample ID: Lab Blank

Lab ID#: 2206773-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p070106c	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/1/22 03:17 PM

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	124	70-130
4-Bromofluorobenzene	111	70-130

Client Sample ID: CCV

Lab ID#: 2206773-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p070105	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/1/22 02:26 PM

Compound	%Recovery
Freon 12	117
Freon 114	110
Chloromethane	116
Vinyl Chloride	84
Bromomethane	73
Chloroethane	78
Freon 11	123
Freon 113	103
1,1-Dichloroethene	87
Methylene Chloride	94
Methyl tert-butyl ether	89
1,1-Dichloroethane	94
cis-1,2-Dichloroethene	92
Chloroform	96
1,1,1-Trichloroethane	117
Carbon Tetrachloride	135 Q
Benzene	84
1,2-Dichloroethane	124
Trichloroethene	99
1,2-Dichloropropane	94
cis-1,3-Dichloropropene	96
Toluene	91
trans-1,3-Dichloropropene	106
1,1,2-Trichloroethane	97
Tetrachloroethene	114
1,2-Dibromoethane (EDB)	105
Chlorobenzene	93
Ethyl Benzene	94
m,p-Xylene	95
o-Xylene	96
Styrene	107
1,1,2,2-Tetrachloroethane	90
1,3,5-Trimethylbenzene	103
1,2,4-Trimethylbenzene	120
1,3-Dichlorobenzene	121
1,4-Dichlorobenzene	121
alpha-Chlorotoluene	117
1,2-Dichlorobenzene	121
1,2,4-Trichlorobenzene	121
Hexachlorobutadiene	136 Q



Air Toxics

Client Sample ID: CCV

Lab ID#: 2206773-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p070105	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/1/22 02:26 PM

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	121	70-130
4-Bromofluorobenzene	113	70-130

Client Sample ID: LCS

Lab ID#: 2206773-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p070103	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/1/22 01:17 PM

Compound	%Recovery	Method Limits
Freon 12	120	70-130
Freon 114	111	70-130
Chloromethane	129	70-130
Vinyl Chloride	88	70-130
Bromomethane	72	70-130
Chloroethane	81	70-130
Freon 11	126	70-130
Freon 113	104	70-130
1,1-Dichloroethene	88	70-130
Methylene Chloride	97	70-130
Methyl tert-butyl ether	89	70-130
1,1-Dichloroethane	96	70-130
cis-1,2-Dichloroethene	93	70-130
Chloroform	95	70-130
1,1,1-Trichloroethane	122	70-130
Carbon Tetrachloride	140 Q	70-130
Benzene	84	70-130
1,2-Dichloroethane	127	70-130
Trichloroethene	98	70-130
1,2-Dichloropropane	94	70-130
cis-1,3-Dichloropropene	97	70-130
Toluene	90	70-130
trans-1,3-Dichloropropene	110	70-130
1,1,2-Trichloroethane	106	70-130
Tetrachloroethene	119	70-130
1,2-Dibromoethane (EDB)	108	70-130
Chlorobenzene	96	70-130
Ethyl Benzene	98	70-130
m,p-Xylene	98	70-130
o-Xylene	95	70-130
Styrene	109	70-130
1,1,2,2-Tetrachloroethane	94	70-130
1,3,5-Trimethylbenzene	107	70-130
1,2,4-Trimethylbenzene	123	70-130
1,3-Dichlorobenzene	124	70-130
1,4-Dichlorobenzene	122	70-130
alpha-Chlorotoluene	117	70-130
1,2-Dichlorobenzene	125	70-130
1,2,4-Trichlorobenzene	111	70-130
Hexachlorobutadiene	129	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 2206773-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p070103	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/1/22 01:17 PM

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	124	70-130
4-Bromofluorobenzene	116	70-130

Client Sample ID: LCSD

Lab ID#: 2206773-05AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p070104	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/1/22 01:44 PM

Compound	%Recovery	Method Limits
Freon 12	120	70-130
Freon 114	112	70-130
Chloromethane	113	70-130
Vinyl Chloride	89	70-130
Bromomethane	73	70-130
Chloroethane	82	70-130
Freon 11	126	70-130
Freon 113	104	70-130
1,1-Dichloroethene	86	70-130
Methylene Chloride	94	70-130
Methyl tert-butyl ether	89	70-130
1,1-Dichloroethane	98	70-130
cis-1,2-Dichloroethene	95	70-130
Chloroform	96	70-130
1,1,1-Trichloroethane	121	70-130
Carbon Tetrachloride	139 Q	70-130
Benzene	84	70-130
1,2-Dichloroethane	126	70-130
Trichloroethene	97	70-130
1,2-Dichloropropane	93	70-130
cis-1,3-Dichloropropene	98	70-130
Toluene	91	70-130
trans-1,3-Dichloropropene	110	70-130
1,1,2-Trichloroethane	102	70-130
Tetrachloroethene	118	70-130
1,2-Dibromoethane (EDB)	107	70-130
Chlorobenzene	93	70-130
Ethyl Benzene	97	70-130
m,p-Xylene	96	70-130
o-Xylene	95	70-130
Styrene	107	70-130
1,1,2,2-Tetrachloroethane	95	70-130
1,3,5-Trimethylbenzene	105	70-130
1,2,4-Trimethylbenzene	122	70-130
1,3-Dichlorobenzene	124	70-130
1,4-Dichlorobenzene	121	70-130
alpha-Chlorotoluene	118	70-130
1,2-Dichlorobenzene	124	70-130
1,2,4-Trichlorobenzene	124	70-130
Hexachlorobutadiene	142 Q	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 2206773-05AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p070104	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/1/22 01:44 PM

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	123	70-130
4-Bromofluorobenzene	114	70-130

February 11, 2022

Andrew Stehn
TRC Madison
708 Heartland Trail
Madison, WI 53717

RE: Project: 470140 PH.1 TSK.2 MKC GETS
Pace Project No.: 40240302

Dear Andrew Stehn:

Enclosed are the analytical results for sample(s) received by the laboratory on February 08, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Tod Noltemeyer
tod.noltemeyer@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Wes Braga, TRC
Peggy Popp, TRC - Madison
Ben Wachholz, TRC Madison



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 470140 PH.1 TSK.2 MKC GETS

Pace Project No.: 40240302

Pace Analytical Services Green Bay

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 470140 PH.1 TSK.2 MKC GETS

Pace Project No.: 40240302

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40240302001	INFLUENT	Water	02/07/22 14:15	02/08/22 07:45
40240302002	EFFLUENT	Water	02/07/22 14:10	02/08/22 07:45

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SAMPLE ANALYTE COUNT

Project: 470140 PH.1 TSK.2 MKC GETS

Pace Project No.: 40240302

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40240302001	INFLUENT	SM 2540D	SRK	1
40240302002	EFFLUENT	SM 2540D	SRK	1

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 470140 PH.1 TSK.2 MKC GETS

Pace Project No.: 40240302

Method: SM 2540D

Description: 2540D Total Suspended Solids

Client: TRC - MADISON

Date: February 11, 2022

General Information:

2 samples were analyzed for SM 2540D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 470140 PH.1 TSK.2 MKC GETS

Pace Project No.: 40240302

Sample: INFLUENT **Lab ID: 40240302001** Collected: 02/07/22 14:15 Received: 02/08/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids									
Analytical Method: SM 2540D Pace Analytical Services - Green Bay									
Total Suspended Solids	<0.95	mg/L	2.0	0.95	1		02/09/22 10:24		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 470140 PH.1 TSK.2 MKC GETS

Pace Project No.: 40240302

Sample: EFFLUENT **Lab ID: 40240302002** Collected: 02/07/22 14:10 Received: 02/08/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Green Bay								
Total Suspended Solids	<0.95	mg/L	2.0	0.95	1		02/09/22 10:24		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 470140 PH.1 TSK.2 MKC GETS

Pace Project No.: 40240302

QC Batch: 407920

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40240302001, 40240302002

METHOD BLANK: 2351489

Matrix: Water

Associated Lab Samples: 40240302001, 40240302002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	02/09/22 10:23	

LABORATORY CONTROL SAMPLE: 2351490

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	120	120	80-120	

SAMPLE DUPLICATE: 2351491

Parameter	Units	40240319001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	24.6	27.1	10	10	

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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QUALIFIERS

Project: 470140 PH.1 TSK.2 MKC GETS

Pace Project No.: 40240302

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, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 470140 PH.1 TSK.2 MKC GETS
Pace Project No.: 40240302

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40240302001	INFLUENT	SM 2540D	407920		
40240302002	EFFLUENT	SM 2540D	407920		

REPORT OF LABORATORY ANALYSIS

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Client Name: TRC

Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project # 4024302

All containers needing preservation have been checked and noted below: Yes No N/A

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Initial when completed:

Date/Time:

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	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC								GN			
001																																				2.5 / 5 / 10
002																																				2.5 / 5 / 10
003																																				2.5 / 5 / 10
004																																				2.5 / 5 / 10
005																																				2.5 / 5 / 10
006																																				2.5 / 5 / 10
007																																				2.5 / 5 / 10
008																																				2.5 / 5 / 10
009																																				2.5 / 5 / 10
010																																				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


2/18/20 gcl

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	VG9A	40 mL clear ascorbic	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4					GN	
BG3U	250 mL clear glass unpres						

Sample Condition Upon Receipt Form (SCUR)

Client Name: TRC
Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____

Project #: _____
WO#: 40240302

 40240302

Tracking #: _____
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 - 105 **Type of Ice:** Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature Uncorr: 1 / Corr: 1
Temp Blank Present: yes no **Biological Tissue is Frozen:** yes no

Person examining contents:
 Date: 2/8/22 Initials: SKW
 Labeled By Initials: AW

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>ACC</u>
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

March 14, 2022

Andrew Stehn
TRC Madison
708 Heartland Trail
Madison, WI 53717

RE: Project: MKC 470140. PH2 TASK 2
Pace Project No.: 40241445

Dear Andrew Stehn:

Enclosed are the analytical results for sample(s) received by the laboratory on March 05, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Tod Noltemeyer
tod.noltemeyer@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Wes Braga, TRC
Peggy Popp, TRC - Madison
Ben Wachholz, TRC Madison



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MKC 470140. PH2 TASK 2

Pace Project No.: 40241445

Pace Analytical Services Green Bay

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: MKC 470140. PH2 TASK 2
Pace Project No.: 40241445

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40241445001	INFLUENT	Water	03/04/22 12:10	03/05/22 08:20
40241445002	EFFLUENT	Water	03/04/22 12:15	03/05/22 08:20
40241445003	TRIP BLANK	Water	03/04/22 00:00	03/05/22 08:20

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MKC 470140. PH2 TASK 2

Pace Project No.: 40241445

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40241445001	INFLUENT	EPA 625 SIM	RJN	14
		EPA 624.1	JAV	21
40241445002	EFFLUENT	EPA 625 SIM	RJN	14
		EPA 624.1	JAV	21
40241445003	TRIP BLANK	EPA 624.1	JAV	21

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: MKC 470140. PH2 TASK 2

Pace Project No.: 40241445

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40241445001	INFLUENT					
EPA 624.1	Tetrachloroethene	905	ug/L	20.0	03/09/22 10:30	
EPA 624.1	Trichloroethene	106	ug/L	20.0	03/09/22 10:30	
40241445002	EFFLUENT					
EPA 624.1	Tetrachloroethene	7.5	ug/L	1.0	03/09/22 09:51	
EPA 624.1	Trichloroethene	1.4	ug/L	1.0	03/09/22 09:51	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: MKC 470140. PH2 TASK 2
Pace Project No.: 40241445

Method: EPA 625 SIM
Description: 625 MSSV PAH by SIM
Client: TRC - MADISON
Date: March 14, 2022

General Information:

2 samples were analyzed for EPA 625 SIM by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 625 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 409985

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

- LCS (Lab ID: 2362328)
- Naphthalene

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Batch Comments:

- A MS/MSD was extracted with this batch, but it is reported with a different analytical batch
- QC Batch: 410034

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: MKC 470140. PH2 TASK 2

Pace Project No.: 40241445

Method: EPA 624.1

Description: 624.1 Volatile Organics

Client: TRC - MADISON

Date: March 14, 2022

General Information:

3 samples were analyzed for EPA 624.1 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MKC 470140. PH2 TASK 2

Pace Project No.: 40241445

Sample: INFLUENT **Lab ID: 40241445001** Collected: 03/04/22 12:10 Received: 03/05/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV PAH by SIM									
Analytical Method: EPA 625 SIM Preparation Method: EPA 625									
Pace Analytical Services - Green Bay									
Benzo(a)anthracene	<0.013	ug/L	0.048	0.013	1	03/10/22 08:23	03/11/22 10:48	56-55-3	
Benzo(a)pyrene	<0.019	ug/L	0.048	0.019	1	03/10/22 08:23	03/11/22 10:48	50-32-8	
Benzo(b)fluoranthene	<0.019	ug/L	0.048	0.019	1	03/10/22 08:23	03/11/22 10:48	205-99-2	
Benzo(g,h,i)perylene	<0.022	ug/L	0.048	0.022	1	03/10/22 08:23	03/11/22 10:48	191-24-2	
Benzo(k)fluoranthene	<0.021	ug/L	0.048	0.021	1	03/10/22 08:23	03/11/22 10:48	207-08-9	
Chrysene	<0.025	ug/L	0.048	0.025	1	03/10/22 08:23	03/11/22 10:48	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.048	0.017	1	03/10/22 08:23	03/11/22 10:48	53-70-3	
Fluoranthene	<0.025	ug/L	0.048	0.025	1	03/10/22 08:23	03/11/22 10:48	206-44-0	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.048	0.015	1	03/10/22 08:23	03/11/22 10:48	193-39-5	
Naphthalene	<0.019	ug/L	0.048	0.019	1	03/10/22 08:23	03/11/22 10:48	91-20-3	L2
Phenanthrene	<0.024	ug/L	0.048	0.024	1	03/10/22 08:23	03/11/22 10:48	85-01-8	
Pyrene	<0.022	ug/L	0.048	0.022	1	03/10/22 08:23	03/11/22 10:48	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	10-113		1	03/10/22 08:23	03/11/22 10:48	321-60-8	
Terphenyl-d14 (S)	64	%	28-124		1	03/10/22 08:23	03/11/22 10:48	1718-51-0	
624.1 Volatile Organics									
Analytical Method: EPA 624.1									
Pace Analytical Services - Green Bay									
Benzene	<5.9	ug/L	20.0	5.9	20		03/09/22 10:30	71-43-2	
Bromodichloromethane	<8.3	ug/L	20.0	8.3	20		03/09/22 10:30	75-27-4	
Bromoform	<76.0	ug/L	100	76.0	20		03/09/22 10:30	75-25-2	
Bromomethane	<23.8	ug/L	100	23.8	20		03/09/22 10:30	74-83-9	
Carbon tetrachloride	<7.4	ug/L	20.0	7.4	20		03/09/22 10:30	56-23-5	
Chloroform	<23.7	ug/L	100	23.7	20		03/09/22 10:30	67-66-3	
Chloromethane	<32.7	ug/L	100	32.7	20		03/09/22 10:30	74-87-3	
1,2-Dichloroethane	<5.8	ug/L	20.0	5.8	20		03/09/22 10:30	107-06-2	
1,1-Dichloroethene	<11.6	ug/L	20.0	11.6	20		03/09/22 10:30	75-35-4	
Ethylbenzene	<6.5	ug/L	20.0	6.5	20		03/09/22 10:30	100-41-4	
1,1,2,2-Tetrachloroethane	<7.6	ug/L	20.0	7.6	20		03/09/22 10:30	79-34-5	
Tetrachloroethene	905	ug/L	20.0	8.2	20		03/09/22 10:30	127-18-4	
Toluene	<5.8	ug/L	20.0	5.8	20		03/09/22 10:30	108-88-3	
1,1,1-Trichloroethane	<6.1	ug/L	20.0	6.1	20		03/09/22 10:30	71-55-6	
1,1,2-Trichloroethane	<6.9	ug/L	100	6.9	20		03/09/22 10:30	79-00-5	
Trichloroethene	106	ug/L	20.0	6.4	20		03/09/22 10:30	79-01-6	
Vinyl chloride	<3.5	ug/L	20.0	3.5	20		03/09/22 10:30	75-01-4	
Xylene (Total)	<21.0	ug/L	60.0	21.0	20		03/09/22 10:30	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		20		03/09/22 10:30	460-00-4	
Toluene-d8 (S)	98	%	70-130		20		03/09/22 10:30	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		20		03/09/22 10:30	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MKC 470140. PH2 TASK 2
Pace Project No.: 40241445

Sample: EFFLUENT **Lab ID: 40241445002** Collected: 03/04/22 12:15 Received: 03/05/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV PAH by SIM									
Analytical Method: EPA 625 SIM Preparation Method: EPA 625 Pace Analytical Services - Green Bay									
Benzo(a)anthracene	<0.014	ug/L	0.050	0.014	1	03/10/22 08:23	03/11/22 11:07	56-55-3	
Benzo(a)pyrene	<0.019	ug/L	0.050	0.019	1	03/10/22 08:23	03/11/22 11:07	50-32-8	
Benzo(b)fluoranthene	<0.019	ug/L	0.050	0.019	1	03/10/22 08:23	03/11/22 11:07	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.050	0.023	1	03/10/22 08:23	03/11/22 11:07	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.050	0.022	1	03/10/22 08:23	03/11/22 11:07	207-08-9	
Chrysene	<0.026	ug/L	0.050	0.026	1	03/10/22 08:23	03/11/22 11:07	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.050	0.018	1	03/10/22 08:23	03/11/22 11:07	53-70-3	
Fluoranthene	<0.026	ug/L	0.050	0.026	1	03/10/22 08:23	03/11/22 11:07	206-44-0	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.050	0.015	1	03/10/22 08:23	03/11/22 11:07	193-39-5	
Naphthalene	<0.020	ug/L	0.050	0.020	1	03/10/22 08:23	03/11/22 11:07	91-20-3	L2
Phenanthrene	<0.025	ug/L	0.050	0.025	1	03/10/22 08:23	03/11/22 11:07	85-01-8	
Pyrene	<0.022	ug/L	0.050	0.022	1	03/10/22 08:23	03/11/22 11:07	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	64	%	10-113		1	03/10/22 08:23	03/11/22 11:07	321-60-8	
Terphenyl-d14 (S)	68	%	28-124		1	03/10/22 08:23	03/11/22 11:07	1718-51-0	
624.1 Volatile Organics									
Analytical Method: EPA 624.1 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		03/09/22 09:51	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		03/09/22 09:51	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		03/09/22 09:51	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		03/09/22 09:51	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		03/09/22 09:51	56-23-5	
Chloroform	<1.2	ug/L	5.0	1.2	1		03/09/22 09:51	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		03/09/22 09:51	74-87-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		03/09/22 09:51	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		03/09/22 09:51	75-35-4	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		03/09/22 09:51	100-41-4	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		03/09/22 09:51	79-34-5	
Tetrachloroethene	7.5	ug/L	1.0	0.41	1		03/09/22 09:51	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		03/09/22 09:51	108-88-3	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		03/09/22 09:51	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		03/09/22 09:51	79-00-5	
Trichloroethene	1.4	ug/L	1.0	0.32	1		03/09/22 09:51	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		03/09/22 09:51	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		03/09/22 09:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		03/09/22 09:51	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		03/09/22 09:51	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		03/09/22 09:51	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MKC 470140. PH2 TASK 2
Pace Project No.: 40241445

Sample: TRIP BLANK **Lab ID: 40241445003** Collected: 03/04/22 00:00 Received: 03/05/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics									
Analytical Method: EPA 624.1									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		03/09/22 09:32	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		03/09/22 09:32	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		03/09/22 09:32	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		03/09/22 09:32	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		03/09/22 09:32	56-23-5	
Chloroform	<1.2	ug/L	5.0	1.2	1		03/09/22 09:32	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		03/09/22 09:32	74-87-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		03/09/22 09:32	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		03/09/22 09:32	75-35-4	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		03/09/22 09:32	100-41-4	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		03/09/22 09:32	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		03/09/22 09:32	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		03/09/22 09:32	108-88-3	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		03/09/22 09:32	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		03/09/22 09:32	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		03/09/22 09:32	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		03/09/22 09:32	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		03/09/22 09:32	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		03/09/22 09:32	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		03/09/22 09:32	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		03/09/22 09:32	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MKC 470140. PH2 TASK 2
Pace Project No.: 40241445

QC Batch: 409845 Analysis Method: EPA 624.1
QC Batch Method: EPA 624.1 Analysis Description: 624.1 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40241445001, 40241445002, 40241445003

METHOD BLANK: 2361622 Matrix: Water
Associated Lab Samples: 40241445001, 40241445002, 40241445003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	03/09/22 08:53	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	03/09/22 08:53	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	03/09/22 08:53	
1,1-Dichloroethene	ug/L	<0.58	1.0	03/09/22 08:53	
1,2-Dichloroethane	ug/L	<0.29	1.0	03/09/22 08:53	
Benzene	ug/L	<0.30	1.0	03/09/22 08:53	
Bromodichloromethane	ug/L	<0.42	1.0	03/09/22 08:53	
Bromoform	ug/L	<3.8	5.0	03/09/22 08:53	
Bromomethane	ug/L	<1.2	5.0	03/09/22 08:53	
Carbon tetrachloride	ug/L	<0.37	1.0	03/09/22 08:53	
Chloroform	ug/L	<1.2	5.0	03/09/22 08:53	
Chloromethane	ug/L	<1.6	5.0	03/09/22 08:53	
Ethylbenzene	ug/L	<0.33	1.0	03/09/22 08:53	
Tetrachloroethene	ug/L	<0.41	1.0	03/09/22 08:53	
Toluene	ug/L	<0.29	1.0	03/09/22 08:53	
Trichloroethene	ug/L	<0.32	1.0	03/09/22 08:53	
Vinyl chloride	ug/L	<0.17	1.0	03/09/22 08:53	
Xylene (Total)	ug/L	<1.0	3.0	03/09/22 08:53	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130	03/09/22 08:53	
4-Bromofluorobenzene (S)	%	98	70-130	03/09/22 08:53	
Toluene-d8 (S)	%	99	70-130	03/09/22 08:53	

LABORATORY CONTROL SAMPLE: 2361623

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.2	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	53.3	107	60-140	
1,1,2-Trichloroethane	ug/L	50	54.7	109	70-130	
1,1-Dichloroethene	ug/L	50	51.3	103	50-150	
1,2-Dichloroethane	ug/L	50	50.8	102	70-130	
Benzene	ug/L	50	54.0	108	65-135	
Bromodichloromethane	ug/L	50	52.7	105	65-135	
Bromoform	ug/L	50	52.1	104	70-130	
Bromomethane	ug/L	50	23.5	47	15-185	
Carbon tetrachloride	ug/L	50	53.7	107	70-130	
Chloroform	ug/L	50	52.2	104	70-135	
Chloromethane	ug/L	50	51.8	104	10-200	
Ethylbenzene	ug/L	50	52.5	105	60-140	
Tetrachloroethene	ug/L	50	50.7	101	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MKC 470140. PH2 TASK 2

Pace Project No.: 40241445

LABORATORY CONTROL SAMPLE: 2361623

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	50.6	101	70-130	
Trichloroethene	ug/L	50	51.4	103	65-135	
Vinyl chloride	ug/L	50	52.6	105	10-195	
Xylene (Total)	ug/L	150	159	106	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			99	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MKC 470140. PH2 TASK 2
Pace Project No.: 40241445

QC Batch: 409985 Analysis Method: EPA 625 SIM
QC Batch Method: EPA 625 Analysis Description: 625 Water PAH
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40241445001, 40241445002

METHOD BLANK: 2362327 Matrix: Water
Associated Lab Samples: 40241445001, 40241445002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzo(a)anthracene	ug/L	<0.014	0.050	03/11/22 08:02	
Benzo(a)pyrene	ug/L	<0.020	0.050	03/11/22 08:02	
Benzo(b)fluoranthene	ug/L	<0.020	0.050	03/11/22 08:02	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	03/11/22 08:02	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	03/11/22 08:02	
Chrysene	ug/L	<0.027	0.050	03/11/22 08:02	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	03/11/22 08:02	
Fluoranthene	ug/L	<0.026	0.050	03/11/22 08:02	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	03/11/22 08:02	
Naphthalene	ug/L	<0.020	0.050	03/11/22 08:02	
Phenanthrene	ug/L	<0.026	0.050	03/11/22 08:02	
Pyrene	ug/L	<0.023	0.050	03/11/22 08:02	
2-Fluorobiphenyl (S)	%	59	10-113	03/11/22 08:02	
Terphenyl-d14 (S)	%	65	28-124	03/11/22 08:02	

LABORATORY CONTROL SAMPLE: 2362328

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(a)anthracene	ug/L	2	1.4	68	52-92	
Benzo(a)pyrene	ug/L	2	1.7	84	61-105	
Benzo(b)fluoranthene	ug/L	2	1.3	64	57-102	
Benzo(g,h,i)perylene	ug/L	2	1.7	83	62-120	
Benzo(k)fluoranthene	ug/L	2	1.8	91	70-122	
Chrysene	ug/L	2	2.0	99	71-122	
Dibenz(a,h)anthracene	ug/L	2	1.6	81	41-101	
Fluoranthene	ug/L	2	1.7	86	67-116	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.6	82	59-120	
Naphthalene	ug/L	2	1.4	69	71-120	L2
Phenanthrene	ug/L	2	1.4	71	60-102	
Pyrene	ug/L	2	1.6	78	72-120	
2-Fluorobiphenyl (S)	%			69	10-113	
Terphenyl-d14 (S)	%			68	28-124	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MKC 470140. PH2 TASK 2

Pace Project No.: 40241445

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, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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.

BATCH QUALIFIERS

Batch: 410034

[1] A MS/MSD was extracted with this batch, but it is reported with a different analytical batch

ANALYTE QUALIFIERS

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MKC 470140. PH2 TASK 2
Pace Project No.: 40241445

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40241445001	INFLUENT	EPA 625	409985	EPA 625 SIM	410034
40241445002	EFFLUENT	EPA 625	409985	EPA 625 SIM	410034
40241445001	INFLUENT	EPA 624.1	409845		
40241445002	EFFLUENT	EPA 624.1	409845		
40241445003	TRIP BLANK	EPA 624.1	409845		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt Form (SCUR)

Client Name: TRC

Project #: _____

WO#: 40241445

Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____



Tracking #: _____

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 - 116 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 3 / Corr: 3.1

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 3-5-22 / Initials: MP
 Labeled By Initials: MP

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>TRC 3-5-22 MP</u>
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>Py# 3-5-22 MP</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>477</u>		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login

April 28, 2022

Andrew Stehn
TRC Madison
708 Heartland Trail
Madison, WI 53717

RE: Project: 470140 PH2 TSU 2 MUC-OMM
Pace Project No.: 40243815

Dear Andrew Stehn:

Enclosed are the analytical results for sample(s) received by the laboratory on April 22, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Tod Noltemeyer
tod.noltemeyer@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Peggy Popp, TRC - Madison
JOHN ROELKE, TRC - Madison



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 470140 PH2 TSU 2 MUC-OMM

Pace Project No.: 40243815

Pace Analytical Services Green Bay

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 470140 PH2 TSU 2 MUC-OMM

Pace Project No.: 40243815

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40243815001	INFLUENT	Water	04/21/22 15:30	04/22/22 07:20
40243815002	EFFLUENT	Water	04/21/22 15:25	04/22/22 07:20

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 470140 PH2 TSU 2 MUC-OMM

Pace Project No.: 40243815

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40243815001	INFLUENT	SM 2540D	SRK	1
40243815002	EFFLUENT	SM 2540D	SRK	1

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 470140 PH2 TSU 2 MUC-OMM

Pace Project No.: 40243815

Method: SM 2540D

Description: 2540D Total Suspended Solids

Client: TRC - MADISON

Date: April 28, 2022

General Information:

2 samples were analyzed for SM 2540D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 470140 PH2 TSU 2 MUC-OMM

Pace Project No.: 40243815

Sample: INFLUENT **Lab ID: 40243815001** Collected: 04/21/22 15:30 Received: 04/22/22 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids									
Analytical Method: SM 2540D Pace Analytical Services - Green Bay									
Total Suspended Solids	<0.95	mg/L	2.0	0.95	1		04/26/22 10:34		

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ANALYTICAL RESULTS

Project: 470140 PH2 TSU 2 MUC-OMM

Pace Project No.: 40243815

Sample: EFFLUENT **Lab ID: 40243815002** Collected: 04/21/22 15:25 Received: 04/22/22 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids									
Analytical Method: SM 2540D									
Pace Analytical Services - Green Bay									
Total Suspended Solids	<0.95	mg/L	2.0	0.95	1		04/26/22 10:34		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 470140 PH2 TSU 2 MUC-OMM

Pace Project No.: 40243815

QC Batch: 414107

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40243815001, 40243815002

METHOD BLANK: 2384375

Matrix: Water

Associated Lab Samples: 40243815001, 40243815002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	04/26/22 10:34	

LABORATORY CONTROL SAMPLE: 2384376

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	96.0	96	80-120	

SAMPLE DUPLICATE: 2384377

Parameter	Units	40243840001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	593	557	6	10	

SAMPLE DUPLICATE: 2384378

Parameter	Units	40243877001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	35.4	37.6	6	10	

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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QUALIFIERS

Project: 470140 PH2 TSU 2 MUC-OMM
Pace Project No.: 40243815

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, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 470140 PH2 TSU 2 MUC-OMM
Pace Project No.: 40243815

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40243815001	INFLUENT	SM 2540D	414107		
40243815002	EFFLUENT	SM 2540D	414107		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt Form (SCUR)

Project #:

WO#: 40243815



40243815

Client Name: TRC

Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____

Tracking #: _____

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-116 Type of Ice: Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 3 /Corr: 3.1

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 4-22-22 /Initials: MP
 Labeled By Initials: MP

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

If checked, see attached form for additional comments

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login

Page 42 of 2

June 17, 2022

Andrew Stehn
TRC Madison
708 Heartland Trail
Madison, WI 53717

RE: Project: 470140 MKC GETS
Pace Project No.: 40246350

Dear Andrew Stehn:

Enclosed are the analytical results for sample(s) received by the laboratory on June 10, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Tod Noltemeyer
tod.noltemeyer@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Peggy Popp, TRC - Madison
Ben Wachholz, TRC Madison



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 470140 MKC GETS

Pace Project No.: 40246350

Pace Analytical Services Green Bay

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 470140 MKC GETS
Pace Project No.: 40246350

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40246350001	INFLUENT	Water	06/09/22 13:00	06/10/22 07:45
40246350002	EFFLUENT	Water	06/09/22 13:05	06/10/22 07:45
40246350003	TRIP BLANK	Water	06/09/22 00:00	06/10/22 07:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 470140 MKC GETS
Pace Project No.: 40246350

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40246350001	INFLUENT	EPA 625.1 SIM	RJN	14
		EPA 624.1	JAV	21
		SM 2540D	SRK	1
40246350002	EFFLUENT	EPA 625.1 SIM	RJN	14
		EPA 624.1	JAV	21
		SM 2540D	SRK	1
40246350003	TRIP BLANK	EPA 624.1	JAV	21

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 470140 MKC GETS

Pace Project No.: 40246350

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40246350001	INFLUENT					
EPA 624.1	Tetrachloroethene	1110	ug/L	20.0	06/13/22 17:02	
EPA 624.1	Trichloroethene	115	ug/L	20.0	06/13/22 17:02	
SM 2540D	Total Suspended Solids	0.52J	mg/L	1.0	06/15/22 12:11	PP,T3
40246350002	EFFLUENT					
EPA 624.1	Tetrachloroethene	4.2	ug/L	1.0	06/13/22 13:09	
EPA 624.1	Trichloroethene	0.82J	ug/L	1.0	06/13/22 13:09	
SM 2540D	Total Suspended Solids	0.54J	mg/L	1.1	06/15/22 12:11	PP,T3
40246350003	TRIP BLANK					
EPA 624.1	Toluene	0.36J	ug/L	1.0	06/13/22 11:12	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 470140 MKC GETS

Pace Project No.: 40246350

Method: EPA 625.1 SIM

Description: 625.1 MSSV PAH by SIM

Client: TRC - MADISON

Date: June 17, 2022

General Information:

2 samples were analyzed for EPA 625.1 SIM by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 625.1 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 418184

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 470140 MKC GETS

Pace Project No.: 40246350

Method: EPA 624.1

Description: 624.1 Volatile Organics

Client: TRC - MADISON

Date: June 17, 2022

General Information:

3 samples were analyzed for EPA 624.1 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

pH: Post-analysis pH measurement indicates insufficient VOA sample preservation.

- TRIP BLANK (Lab ID: 40246350003)

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 470140 MKC GETS
Pace Project No.: 40246350

Method: SM 2540D
Description: 2540D Total Suspended Solids
Client: TRC - MADISON
Date: June 17, 2022

General Information:

2 samples were analyzed for SM 2540D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 418401

PP: The mass of dried residue obtained did not meet the test method requirements based on volume used.

- EFFLUENT (Lab ID: 40246350002)
 - Total Suspended Solids
- INFLUENT (Lab ID: 40246350001)
 - Total Suspended Solids

T3: Insufficient sample received from client to perform the analysis per EPA method requirements.

- EFFLUENT (Lab ID: 40246350002)
 - Total Suspended Solids
- INFLUENT (Lab ID: 40246350001)
 - Total Suspended Solids

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 470140 MKC GETS
Pace Project No.: 40246350

Sample: INFLUENT **Lab ID: 40246350001** Collected: 06/09/22 13:00 Received: 06/10/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
625.1 MSSV PAH by SIM									
Analytical Method: EPA 625.1 SIM Preparation Method: EPA 625.1 Pace Analytical Services - Green Bay									
Benzo(a)anthracene	<0.015	ug/L	0.054	0.015	1	06/14/22 08:25	06/15/22 11:26	56-55-3	
Benzo(a)pyrene	<0.021	ug/L	0.054	0.021	1	06/14/22 08:25	06/15/22 11:26	50-32-8	
Benzo(b)fluoranthene	<0.021	ug/L	0.054	0.021	1	06/14/22 08:25	06/15/22 11:26	205-99-2	
Benzo(g,h,i)perylene	<0.025	ug/L	0.054	0.025	1	06/14/22 08:25	06/15/22 11:26	191-24-2	
Benzo(k)fluoranthene	<0.024	ug/L	0.054	0.024	1	06/14/22 08:25	06/15/22 11:26	207-08-9	
Chrysene	<0.029	ug/L	0.054	0.029	1	06/14/22 08:25	06/15/22 11:26	218-01-9	
Dibenz(a,h)anthracene	<0.019	ug/L	0.054	0.019	1	06/14/22 08:25	06/15/22 11:26	53-70-3	
Fluoranthene	<0.028	ug/L	0.054	0.028	1	06/14/22 08:25	06/15/22 11:26	206-44-0	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.054	0.017	1	06/14/22 08:25	06/15/22 11:26	193-39-5	
Naphthalene	<0.021	ug/L	0.054	0.021	1	06/14/22 08:25	06/15/22 11:26	91-20-3	
Phenanthrene	<0.028	ug/L	0.054	0.028	1	06/14/22 08:25	06/15/22 11:26	85-01-8	
Pyrene	<0.024	ug/L	0.054	0.024	1	06/14/22 08:25	06/15/22 11:26	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	73	%	44-120		1	06/14/22 08:25	06/15/22 11:26	321-60-8	
Terphenyl-d14 (S)	71	%	49-120		1	06/14/22 08:25	06/15/22 11:26	1718-51-0	
624.1 Volatile Organics									
Analytical Method: EPA 624.1 Pace Analytical Services - Green Bay									
Benzene	<5.9	ug/L	20.0	5.9	20		06/13/22 17:02	71-43-2	
Bromodichloromethane	<8.3	ug/L	20.0	8.3	20		06/13/22 17:02	75-27-4	
Bromoform	<76.0	ug/L	100	76.0	20		06/13/22 17:02	75-25-2	
Bromomethane	<23.8	ug/L	100	23.8	20		06/13/22 17:02	74-83-9	
Carbon tetrachloride	<7.4	ug/L	20.0	7.4	20		06/13/22 17:02	56-23-5	
Chloroform	<23.7	ug/L	100	23.7	20		06/13/22 17:02	67-66-3	
Chloromethane	<32.7	ug/L	100	32.7	20		06/13/22 17:02	74-87-3	
1,2-Dichloroethane	<5.8	ug/L	20.0	5.8	20		06/13/22 17:02	107-06-2	
1,1-Dichloroethene	<11.6	ug/L	20.0	11.6	20		06/13/22 17:02	75-35-4	
Ethylbenzene	<6.5	ug/L	20.0	6.5	20		06/13/22 17:02	100-41-4	
1,1,2,2-Tetrachloroethane	<7.6	ug/L	20.0	7.6	20		06/13/22 17:02	79-34-5	
Tetrachloroethene	1110	ug/L	20.0	8.2	20		06/13/22 17:02	127-18-4	
Toluene	<5.8	ug/L	20.0	5.8	20		06/13/22 17:02	108-88-3	
1,1,1-Trichloroethane	<6.1	ug/L	20.0	6.1	20		06/13/22 17:02	71-55-6	
1,1,2-Trichloroethane	<6.9	ug/L	100	6.9	20		06/13/22 17:02	79-00-5	
Trichloroethene	115	ug/L	20.0	6.4	20		06/13/22 17:02	79-01-6	
Vinyl chloride	<3.5	ug/L	20.0	3.5	20		06/13/22 17:02	75-01-4	
Xylene (Total)	<21.0	ug/L	60.0	21.0	20		06/13/22 17:02	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		20		06/13/22 17:02	460-00-4	
Toluene-d8 (S)	105	%	70-130		20		06/13/22 17:02	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		20		06/13/22 17:02	2199-69-1	
2540D Total Suspended Solids									
Analytical Method: SM 2540D Pace Analytical Services - Green Bay									
Total Suspended Solids	0.52J	mg/L	1.0	0.49	1		06/15/22 12:11		PP,T3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 470140 MKC GETS

Pace Project No.: 40246350

Sample: EFFLUENT **Lab ID: 40246350002** Collected: 06/09/22 13:05 Received: 06/10/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
625.1 MSSV PAH by SIM									
Analytical Method: EPA 625.1 SIM Preparation Method: EPA 625.1									
Pace Analytical Services - Green Bay									
Benzo(a)anthracene	<0.013	ug/L	0.047	0.013	1	06/14/22 08:25	06/15/22 11:45	56-55-3	
Benzo(a)pyrene	<0.019	ug/L	0.047	0.019	1	06/14/22 08:25	06/15/22 11:45	50-32-8	
Benzo(b)fluoranthene	<0.018	ug/L	0.047	0.018	1	06/14/22 08:25	06/15/22 11:45	205-99-2	
Benzo(g,h,i)perylene	<0.022	ug/L	0.047	0.022	1	06/14/22 08:25	06/15/22 11:45	191-24-2	
Benzo(k)fluoranthene	<0.021	ug/L	0.047	0.021	1	06/14/22 08:25	06/15/22 11:45	207-08-9	
Chrysene	<0.025	ug/L	0.047	0.025	1	06/14/22 08:25	06/15/22 11:45	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.047	0.017	1	06/14/22 08:25	06/15/22 11:45	53-70-3	
Fluoranthene	<0.025	ug/L	0.047	0.025	1	06/14/22 08:25	06/15/22 11:45	206-44-0	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.047	0.015	1	06/14/22 08:25	06/15/22 11:45	193-39-5	
Naphthalene	<0.019	ug/L	0.047	0.019	1	06/14/22 08:25	06/15/22 11:45	91-20-3	
Phenanthrene	<0.024	ug/L	0.047	0.024	1	06/14/22 08:25	06/15/22 11:45	85-01-8	
Pyrene	<0.021	ug/L	0.047	0.021	1	06/14/22 08:25	06/15/22 11:45	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	73	%	44-120		1	06/14/22 08:25	06/15/22 11:45	321-60-8	
Terphenyl-d14 (S)	70	%	49-120		1	06/14/22 08:25	06/15/22 11:45	1718-51-0	
624.1 Volatile Organics									
Analytical Method: EPA 624.1									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		06/13/22 13:09	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		06/13/22 13:09	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		06/13/22 13:09	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		06/13/22 13:09	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		06/13/22 13:09	56-23-5	
Chloroform	<1.2	ug/L	5.0	1.2	1		06/13/22 13:09	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		06/13/22 13:09	74-87-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		06/13/22 13:09	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/13/22 13:09	75-35-4	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		06/13/22 13:09	100-41-4	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		06/13/22 13:09	79-34-5	
Tetrachloroethene	4.2	ug/L	1.0	0.41	1		06/13/22 13:09	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		06/13/22 13:09	108-88-3	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/13/22 13:09	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		06/13/22 13:09	79-00-5	
Trichloroethene	0.82J	ug/L	1.0	0.32	1		06/13/22 13:09	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		06/13/22 13:09	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		06/13/22 13:09	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		06/13/22 13:09	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		06/13/22 13:09	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		06/13/22 13:09	2199-69-1	
2540D Total Suspended Solids									
Analytical Method: SM 2540D									
Pace Analytical Services - Green Bay									
Total Suspended Solids	0.54J	mg/L	1.1	0.52	1		06/15/22 12:11		PP,T3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 470140 MKC GETS
Pace Project No.: 40246350

Sample: TRIP BLANK **Lab ID: 40246350003** Collected: 06/09/22 00:00 Received: 06/10/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics									
Analytical Method: EPA 624.1									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		06/13/22 11:12	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		06/13/22 11:12	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		06/13/22 11:12	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		06/13/22 11:12	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		06/13/22 11:12	56-23-5	
Chloroform	<1.2	ug/L	5.0	1.2	1		06/13/22 11:12	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		06/13/22 11:12	74-87-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		06/13/22 11:12	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/13/22 11:12	75-35-4	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		06/13/22 11:12	100-41-4	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		06/13/22 11:12	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/13/22 11:12	127-18-4	
Toluene	0.36J	ug/L	1.0	0.29	1		06/13/22 11:12	108-88-3	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/13/22 11:12	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		06/13/22 11:12	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/13/22 11:12	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		06/13/22 11:12	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		06/13/22 11:12	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		06/13/22 11:12	460-00-4	pH
Toluene-d8 (S)	103	%	70-130		1		06/13/22 11:12	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		06/13/22 11:12	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 470140 MKC GETS
Pace Project No.: 40246350

QC Batch: 417837 Analysis Method: EPA 624.1
QC Batch Method: EPA 624.1 Analysis Description: 624.1 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40246350001, 40246350002, 40246350003

METHOD BLANK: 2406310 Matrix: Water
Associated Lab Samples: 40246350001, 40246350002, 40246350003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/13/22 08:38	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	06/13/22 08:38	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	06/13/22 08:38	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/13/22 08:38	
1,2-Dichloroethane	ug/L	<0.29	1.0	06/13/22 08:38	
Benzene	ug/L	<0.30	1.0	06/13/22 08:38	
Bromodichloromethane	ug/L	<0.42	1.0	06/13/22 08:38	
Bromoform	ug/L	<3.8	5.0	06/13/22 08:38	
Bromomethane	ug/L	<1.2	5.0	06/13/22 08:38	
Carbon tetrachloride	ug/L	<0.37	1.0	06/13/22 08:38	
Chloroform	ug/L	<1.2	5.0	06/13/22 08:38	
Chloromethane	ug/L	<1.6	5.0	06/13/22 08:38	
Ethylbenzene	ug/L	<0.33	1.0	06/13/22 08:38	
Tetrachloroethene	ug/L	<0.41	1.0	06/13/22 08:38	
Toluene	ug/L	<0.29	1.0	06/13/22 08:38	
Trichloroethene	ug/L	<0.32	1.0	06/13/22 08:38	
Vinyl chloride	ug/L	<0.17	1.0	06/13/22 08:38	
Xylene (Total)	ug/L	<1.0	3.0	06/13/22 08:38	
1,2-Dichlorobenzene-d4 (S)	%	95	70-130	06/13/22 08:38	
4-Bromofluorobenzene (S)	%	101	70-130	06/13/22 08:38	
Toluene-d8 (S)	%	102	70-130	06/13/22 08:38	

LABORATORY CONTROL SAMPLE: 2406311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.4	105	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.7	95	60-140	
1,1,2-Trichloroethane	ug/L	50	47.5	95	70-130	
1,1-Dichloroethene	ug/L	50	50.1	100	50-150	
1,2-Dichloroethane	ug/L	50	48.8	98	70-130	
Benzene	ug/L	50	47.6	95	65-135	
Bromodichloromethane	ug/L	50	49.0	98	65-135	
Bromoform	ug/L	50	52.9	106	70-130	
Bromomethane	ug/L	50	50.9	102	15-185	
Carbon tetrachloride	ug/L	50	52.0	104	70-130	
Chloroform	ug/L	50	48.8	98	70-135	
Chloromethane	ug/L	50	47.1	94	10-200	
Ethylbenzene	ug/L	50	47.1	94	60-140	
Tetrachloroethene	ug/L	50	49.4	99	70-130	

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QUALITY CONTROL DATA

Project: 470140 MKC GETS
Pace Project No.: 40246350

LABORATORY CONTROL SAMPLE: 2406311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	47.2	94	70-130	
Trichloroethene	ug/L	50	49.8	100	65-135	
Vinyl chloride	ug/L	50	49.8	100	10-195	
Xylene (Total)	ug/L	150	144	96	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2408125 2408126

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40246103002 Result	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	57.6	54.1	115	108	52-162	6	36		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	52.6	47.2	105	94	46-157	11	50		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	52.9	48.5	106	97	52-150	9	45		
1,1-Dichloroethene	ug/L	<0.58	50	50	54.2	51.1	108	102	10-200	6	32		
1,2-Dichloroethane	ug/L	<0.29	50	50	53.0	48.5	106	97	49-155	9	49		
Benzene	ug/L	<0.30	50	50	51.6	49.0	103	98	37-151	5	50		
Bromodichloromethane	ug/L	0.63J	50	50	52.5	49.3	104	97	35-155	6	50		
Bromoform	ug/L	<3.8	50	50	55.0	49.4	110	99	45-169	11	42		
Bromomethane	ug/L	<1.2	50	50	42.2	34.7	84	69	10-200	19	50		
Carbon tetrachloride	ug/L	<0.37	50	50	58.7	54.9	117	110	70-140	7	41		
Chloroform	ug/L	2.6J	50	50	58.4	53.9	111	103	51-138	8	50		
Chloromethane	ug/L	<1.6	50	50	46.0	42.8	92	86	10-200	7	50		
Ethylbenzene	ug/L	<0.33	50	50	52.8	50.0	106	100	37-162	5	50		
Tetrachloroethene	ug/L	<0.41	50	50	54.5	52.3	109	105	64-148	4	39		
Toluene	ug/L	<0.29	50	50	51.8	49.8	103	99	47-150	4	41		
Trichloroethene	ug/L	<0.32	50	50	54.6	51.0	109	102	70-157	7	48		
Vinyl chloride	ug/L	<0.17	50	50	45.9	42.6	92	85	10-200	7	50		
Xylene (Total)	ug/L	<1.0	150	150	158	149	105	100	70-130	6	20		
1,2-Dichlorobenzene-d4 (S)	%						100	99	70-130				
4-Bromofluorobenzene (S)	%						100	102	70-130				
Toluene-d8 (S)	%						103	102	70-130				

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QUALITY CONTROL DATA

Project: 470140 MKC GETS
Pace Project No.: 40246350

QC Batch: 418184 Analysis Method: EPA 625.1 SIM
QC Batch Method: EPA 625.1 Analysis Description: 625.1 Water PAH
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40246350001, 40246350002

METHOD BLANK: 2408436 Matrix: Water

Associated Lab Samples: 40246350001, 40246350002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzo(a)anthracene	ug/L	<0.014	0.050	06/15/22 07:43	
Benzo(a)pyrene	ug/L	<0.020	0.050	06/15/22 07:43	
Benzo(b)fluoranthene	ug/L	<0.020	0.050	06/15/22 07:43	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	06/15/22 07:43	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	06/15/22 07:43	
Chrysene	ug/L	<0.027	0.050	06/15/22 07:43	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	06/15/22 07:43	
Fluoranthene	ug/L	<0.026	0.050	06/15/22 07:43	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	06/15/22 07:43	
Naphthalene	ug/L	<0.020	0.050	06/15/22 07:43	
Phenanthrene	ug/L	<0.026	0.050	06/15/22 07:43	
Pyrene	ug/L	<0.023	0.050	06/15/22 07:43	
2-Fluorobiphenyl (S)	%	80	44-120	06/15/22 07:43	
Terphenyl-d14 (S)	%	82	49-120	06/15/22 07:43	

LABORATORY CONTROL SAMPLE & LCSD: 2408437

Parameter	Units	Spike Conc.	2408438		LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
			LCS Result	LCSD Result						
Benzo(a)anthracene	ug/L	2	1.4	1.4	71	70	33-143	2	50	
Benzo(a)pyrene	ug/L	2	2.0	2.0	98	98	17-163	0	50	
Benzo(b)fluoranthene	ug/L	2	1.7	1.7	84	87	24-159	4	50	
Benzo(g,h,i)perylene	ug/L	2	2.0	2.0	102	102	1-219	0	50	
Benzo(k)fluoranthene	ug/L	2	2.1	2.1	105	105	11-162	1	50	
Chrysene	ug/L	2	2.3	2.4	116	122	17-168	5	50	
Dibenz(a,h)anthracene	ug/L	2	2.1	2.0	105	100	1-227	5	50	
Fluoranthene	ug/L	2	1.7	1.7	86	84	26-137	2	50	
Indeno(1,2,3-cd)pyrene	ug/L	2	2.0	2.0	98	99	1-171	1	50	
Naphthalene	ug/L	2	1.5	1.4	75	70	21-133	7	50	
Phenanthrene	ug/L	2	1.5	1.5	76	74	54-120	3	39	
Pyrene	ug/L	2	1.7	1.7	84	85	52-120	1	49	
2-Fluorobiphenyl (S)	%				77	73	44-120			
Terphenyl-d14 (S)	%				74	75	49-120			

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QUALITY CONTROL DATA

Project: 470140 MKC GETS
Pace Project No.: 40246350

QC Batch: 418401 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40246350001, 40246350002

METHOD BLANK: 2409668 Matrix: Water
Associated Lab Samples: 40246350001, 40246350002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	06/15/22 12:11	

LABORATORY CONTROL SAMPLE: 2409669

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	110	110	80-120	

SAMPLE DUPLICATE: 2409670

Parameter	Units	40246316001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	178	192	7	10	

SAMPLE DUPLICATE: 2409671

Parameter	Units	40246351001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	360	335	7	10	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 470140 MKC GETS
Pace Project No.: 40246350

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, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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.

BATCH QUALIFIERS

Batch: 418245

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

PP The mass of dried residue obtained did not meet the test method requirements based on volume used.

T3 Insufficient sample received from client to perform the analysis per EPA method requirements.

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 470140 MKC GETS
Pace Project No.: 40246350

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40246350001	INFLUENT	EPA 625.1	418184	EPA 625.1 SIM	418245
40246350002	EFFLUENT	EPA 625.1	418184	EPA 625.1 SIM	418245
40246350001	INFLUENT	EPA 624.1	417837		
40246350002	EFFLUENT	EPA 624.1	417837		
40246350003	TRIP BLANK	EPA 624.1	417837		
40246350001	INFLUENT	SM 2540D	418401		
40246350002	EFFLUENT	SM 2540D	418401		

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(Please Print Clearly)

Company Name: TRC
 Branch/Location: Madison, WI
 Project Contact: Andrew Stehn
 Phone: 608-807-8112
 Project Number: 470140
 Project Name: MKC GETS
 Project State: WI
 Sampled By (Print): Ben Wachholz
 Sampled By (Sign): Ben Wachholz
 PO #: 162070

Regulatory Program:



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

470216350

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED? (YES/NO)
PRESERVATION (CODE)*

Y/N	Pick Letter	Analyses Requested																		
			TSS	PAHs	VOCS															
N	A																			
N	A																			
N	B																			

Quote #:
 Mail To Contact: Andrew Stehn
 Mail To Company: TRC
 Mail To Address: 708 Hartland Trail Suite 3000 Madison, WI 53717
 Invoice To Contact:
 Invoice To Company: Same as above
 Invoice To Address:
 Invoice To Phone: 608-807-8112
 CLIENT COMMENTS:
 LAB COMMENTS (Lab Use Only):
 Profile #:

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y/N	Pick Letter	Analyses Requested													
		DATE	TIME					TSS	PAHs	VOCS										
001	INFLUENT	6/9/22	13:00	W	X	X	X													
002	EFFLUENT	6/9/22	13:05	W	X	X	X													
003	Trip Blank	-	-	W																

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: Ben Wachholz (TRC) Date/Time: 6/9/22 1448
 Relinquished By: JESSICA G... Date/Time: 06-09-22 1150
 Relinquished By: OS Logistics Date/Time: 6/10/22 0745
 Relinquished By: Date/Time:
 Received By: JESSICA G... Date/Time: 06-09-22 1448
 Received By: Date/Time:
 Received By: Anthony... Date/Time: 6/10/22 0745
 Received By: Date/Time:
 Received By: Date/Time:

PACE Project No. 470216350
 Receipt Temp = 5.1 °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present Intact / Not Intact

Sample Preservation Receipt Form

Client Name: TRC

Project # W0246590

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	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU								SP5T	ZPLC	GN				
001																																					2.5 / 5 / 10
002																																					2.5 / 5 / 10
003																																					2.5 / 5 / 10
004																																					2.5 / 5 / 10
005																																					2.5 / 5 / 10
006																																					2.5 / 5 / 10
007																																					2.5 / 5 / 10
008																																					2.5 / 5 / 10
009																																					2.5 / 5 / 10
010																																					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	VG9A	40 mL clear ascorbic	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4					GN	
BG3U	250 mL clear glass unpres						

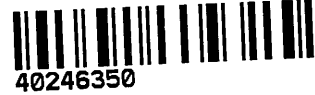
Sample Condition Upon Receipt Form (SCUR)

Client Name: TRC

Project #:

WO#: **40246350**

Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____



Tracking #: _____

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 - 108 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 5 / Corr: 5.1

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
 Date: 6/10/22 / Initials: RL
 Labeled By Initials: NR

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login

June 29, 2022

Andrew Stehn
TRC Madison
708 Heartland Trail
Madison, WI 53717

RE: Project: MADISON KIPP CORP
Pace Project No.: 40247145

Dear Andrew Stehn:

Enclosed are the analytical results for sample(s) received by the laboratory on June 24, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Tod Noltemeyer
tod.noltemeyer@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Peggy Popp, TRC - Madison
Ben Wachholz, TRC Madison



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MADISON KIPP CORP

Pace Project No.: 40247145

Pace Analytical Services Green Bay

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: MADISON KIPP CORP

Pace Project No.: 40247145

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40247145001	EFFLUENT	Water	06/23/22 11:05	06/24/22 08:35
40247145002	INFLUENT	Water	06/23/22 11:08	06/24/22 08:35

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MADISON KIPP CORP
Pace Project No.: 40247145

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40247145001	EFFLUENT	SM 2540D	SRK	1
40247145002	INFLUENT	SM 2540D	SRK	1

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: MADISON KIPP CORP
Pace Project No.: 40247145

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40247145001	EFFLUENT					
SM 2540D	Total Suspended Solids	0.53J	mg/L	1.1	06/27/22 12:11	PP,T3
40247145002	INFLUENT					
SM 2540D	Total Suspended Solids	0.51J	mg/L	1.0	06/27/22 12:11	PP,T3

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: MADISON KIPP CORP

Pace Project No.: 40247145

Method: SM 2540D

Description: 2540D Total Suspended Solids

Client: TRC - MADISON

Date: June 29, 2022

General Information:

2 samples were analyzed for SM 2540D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 419471

PP: The mass of dried residue obtained did not meet the test method requirements based on volume used.

- EFFLUENT (Lab ID: 40247145001)
 - Total Suspended Solids
- INFLUENT (Lab ID: 40247145002)
 - Total Suspended Solids

T3: Insufficient sample received from client to perform the analysis per EPA method requirements.

- EFFLUENT (Lab ID: 40247145001)
 - Total Suspended Solids
- INFLUENT (Lab ID: 40247145002)
 - Total Suspended Solids

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MADISON KIPP CORP

Pace Project No.: 40247145

Sample: EFFLUENT **Lab ID: 40247145001** Collected: 06/23/22 11:05 Received: 06/24/22 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids									
Analytical Method: SM 2540D									
Pace Analytical Services - Green Bay									
Total Suspended Solids	0.53J	mg/L	1.1	0.50	1		06/27/22 12:11		PP,T3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MADISON KIPP CORP

Pace Project No.: 40247145

Sample: INFLUENT **Lab ID: 40247145002** Collected: 06/23/22 11:08 Received: 06/24/22 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Green Bay								
Total Suspended Solids	0.51J	mg/L	1.0	0.49	1		06/27/22 12:11		PP,T3

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MADISON KIPP CORP
Pace Project No.: 40247145

QC Batch: 419471 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40247145001, 40247145002

METHOD BLANK: 2415952 Matrix: Water
Associated Lab Samples: 40247145001, 40247145002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	06/27/22 12:11	

LABORATORY CONTROL SAMPLE: 2415953

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	110	110	80-120	

SAMPLE DUPLICATE: 2415954

Parameter	Units	40247149001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	30.8	33.8	9	10	

SAMPLE DUPLICATE: 2415955

Parameter	Units	40247186001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	48.0	53.0	10	10	

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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QUALIFIERS

Project: MADISON KIPP CORP

Pace Project No.: 40247145

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, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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

PP The mass of dried residue obtained did not meet the test method requirements based on volume used.

T3 Insufficient sample received from client to perform the analysis per EPA method requirements.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MADISON KIPP CORP
Pace Project No.: 40247145


Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40247145001	EFFLUENT	SM 2540D	419471		
40247145002	INFLUENT	SM 2540D	419471		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt Form (SCUR)

Client Name: TRC

Project #: **WO#: 40247145**

 40247145

Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____

Tracking #: _____

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 - 116 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1 /ICorr: 1.1

Temp Blank Present: Yes Temp 12.4/22 mp Biological Tissue is Frozen: yes no

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
 Date: 6/24/22 Initials: mp
 Labeled By Initials: mlh

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<u>6/24/22 mp</u> <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>pg# preservation 6/24/22 mp</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login
 Page 2 of 2

Attachment 5
Historical Groundwater Summary Table

Attachment 6

Semi-Annual Groundwater Monitoring Laboratory Analytical Reports



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

May 09, 2022

Andrew Stehn
TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison, WI 53717
RE: Madison Kipp Corporation - Madison, WI

Enclosed are the analytical results for the samples received by the laboratory on 04/22/2022.

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

Certification List	Expires
ILEPA Illinois Secondary NELAP Accreditation 004366	04/30/2022
KDHE Kansas Secondary NELAP Accreditation E-10384	04/30/2022
LELAP Louisiana Primary NELAP Accreditation 04165	06/30/2022
NJDEP New Jersey Secondary NELAP Accreditation WI004	06/30/2022
NYDOH New York Department of Health 12110	04/01/2022
TCEQ Texas Secondary NELAP Accreditation T104704504-20-11	11/30/2022
WDNR Wisconsin Certification under NR 149 113289110	08/31/2022

TRC Environmental Corporation, Inc.
 708 Heartland Trail, Ste 3000
 Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
 Project Number: 470140
 Project Manager: Andrew Stehn

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-5S-202204	A221616-01	Water	04/21/2022	04/22/2022
MW-5D-202204	A221616-02	Water	04/21/2022	04/22/2022
MW-5D2-202204	A221616-03	Water	04/21/2022	04/22/2022
MW-5D3-202204	A221616-04	Water	04/21/2022	04/22/2022
MW-25D2-202204	A221616-05	Water	04/21/2022	04/22/2022
MP-14_135-140_202204	A221616-06	Water	04/20/2022	04/22/2022
MP-16_140-144_202204	A221616-07	Water	04/20/2022	04/22/2022
Trip Blank-202204	A221616-08	Water	04/20/2022	04/22/2022

CASE NARRATIVE

Sample Receipt Information:

8 samples were received on 04/22/2022. Samples were received in acceptable condition.

VOC and TSS/TDS 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.

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-5S-202204

Date Sampled

A221616-01 (Water)

04/21/2022 14:42

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A205143

PCB-1016	ND	0.0072	0.12	ug/L	1	05/02/2022	05/04/2022 03:08	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 03:08	EPA 8082A	
PCB-1232	ND	0.0042	0.12	ug/L	1	05/02/2022	05/04/2022 03:08	EPA 8082A	
PCB-1242	ND	0.013	0.12	ug/L	1	05/02/2022	05/04/2022 03:08	EPA 8082A	
PCB-1248	ND	0.011	0.12	ug/L	1	05/02/2022	05/04/2022 03:08	EPA 8082A	
PCB-1254	ND	0.010	0.12	ug/L	1	05/02/2022	05/04/2022 03:08	EPA 8082A	
PCB-1260	ND	0.012	0.12	ug/L	1	05/02/2022	05/04/2022 03:08	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 03:08	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>			83.5 %	29.5-138		05/02/2022	05/04/2022 03:08	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl</i>			94.1 %	30.1-143		05/02/2022	05/04/2022 03:08	EPA 8082A	

Pace Analytical-Green Bay, WI

SM 2540C

Preparation Batch: WET 46071

Total Dissolved Solids	810	8.7	20.0	mg/L	1	04/27/2022	04/27/2022 09:47	SM 2540C	
-------------------------------	------------	-----	------	------	---	------------	------------------	----------	--

SM 2540D

Preparation Batch: WET 46064

Total Suspended Solids	2.8	0.95	2.0	mg/L	1	04/26/2022	04/26/2022 10:35	SM 2540D	
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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-5D-202204
A221616-02 (Water)

Date Sampled
04/21/2022 15:15

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61072

1,1,1,2-Tetrachloroethane	ND	1.8	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,1,1-Trichloroethane	ND	1.5	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	1.9	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,1,2-Trichloroethane	ND	1.7	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	1.9	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,1-Dichloroethane	ND	1.5	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,1-Dichloroethene	ND	2.9	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,1-Dichloropropene	ND	2.1	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,2,3-Trichlorobenzene	ND	5.1	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,2,3-Trichloropropane	ND	2.8	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,2,4-Trichlorobenzene	ND	4.8	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,2,4-Trimethylbenzene	ND	2.2	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	11.8	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,2-Dibromoethane (EDB)	ND	1.5	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,2-Dichlorobenzene	ND	1.6	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,2-Dichloroethane	ND	1.5	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,2-Dichloropropane	ND	2.2	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,3,5-Trimethylbenzene	ND	1.8	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,3-Dichlorobenzene	ND	1.8	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,3-Dichloropropane	ND	1.5	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
1,4-Dichlorobenzene	ND	4.5	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
2,2-Dichloropropane	ND	20.9	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
2-Butanone (MEK)	ND	32.6	125	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
2-Chlorotoluene	ND	4.4	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
2-Hexanone	ND	31.4	125	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
4-Chlorotoluene	ND	4.5	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	29.8	125	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Acetone	ND	43.2	125	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Benzene	ND	1.5	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Bromobenzene	ND	1.8	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Bromochloromethane	ND	1.8	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Bromodichloromethane	ND	2.1	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Bromoform	ND	19.0	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Bromomethane	ND	6.0	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Carbon disulfide	ND	5.5	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Carbon tetrachloride	ND	1.8	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Chlorobenzene	ND	4.3	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Chloroethane	ND	6.9	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Chloroform	ND	5.9	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Chloromethane	ND	8.2	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
cis-1,2-Dichloroethene	5.0	2.4	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
cis-1,3-Dichloropropene	ND	1.8	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Dibromochloromethane	ND	13.2	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Dibromomethane	ND	5.0	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-5D-202204
A221616-02 (Water)

Date Sampled
04/21/2022 15:15

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61072

Dichlorodifluoromethane	ND	2.3	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Diisopropyl ether	ND	5.5	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Ethylbenzene	ND	1.6	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Hexachloro-1,3-butadiene	ND	13.7	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Isopropylbenzene (Cumene)	ND	5.0	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
m&p-Xylene	ND	3.5	10.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Methylene Chloride	ND	1.6	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Methyl-tert-butyl ether	ND	5.6	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Naphthalene	ND	5.6	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
n-Butylbenzene	ND	4.3	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
n-Hexane	ND	7.3	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
n-Propylbenzene	ND	1.7	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
o-Xylene	ND	1.7	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
p-Isopropyltoluene	ND	5.2	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
sec-Butylbenzene	ND	2.1	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Styrene	ND	1.8	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
tert-Butylbenzene	ND	2.9	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Tetrachloroethene	273	2.0	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Tetrahydrofuran	ND	12.1	125	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Toluene	ND	1.4	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
trans-1,2-Dichloroethene	ND	2.6	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
trans-1,3-Dichloropropene	ND	17.3	25.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Trichloroethene	5.6	1.6	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Trichlorofluoromethane	ND	2.1	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Vinyl chloride	ND	0.87	5.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	
Xylene (Total)	ND	5.2	15.0	ug/L	5	04/29/2022	04/29/2022 10:59	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-5D2-202204

Date Sampled

A221616-03 (Water)

04/21/2022 15:15

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61072

1,1,1,2-Tetrachloroethane	ND	8.9	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,1,1-Trichloroethane	ND	7.6	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	9.4	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,1,2-Trichloroethane	ND	8.6	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	9.5	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,1-Dichloroethane	ND	7.4	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,1-Dichloroethene	ND	14.6	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,1-Dichloropropene	ND	10.3	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,2,3-Trichlorobenzene	ND	25.5	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,2,3-Trichloropropane	ND	13.9	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,2,4-Trichlorobenzene	ND	23.8	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,2,4-Trimethylbenzene	ND	11.2	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	59.2	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,2-Dibromoethane (EDB)	ND	7.7	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,2-Dichlorobenzene	ND	8.1	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,2-Dichloroethane	ND	7.3	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,2-Dichloropropane	ND	11.2	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,3,5-Trimethylbenzene	ND	8.9	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,3-Dichlorobenzene	ND	8.8	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,3-Dichloropropane	ND	7.6	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
1,4-Dichlorobenzene	ND	22.3	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
2,2-Dichloropropane	ND	104	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
2-Butanone (MEK)	ND	163	625	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
2-Chlorotoluene	ND	22.2	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
2-Hexanone	ND	157	625	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
4-Chlorotoluene	ND	22.4	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	149	625	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Acetone	ND	216	625	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Benzene	ND	7.4	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Bromobenzene	ND	9.0	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Bromochloromethane	ND	8.9	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Bromodichloromethane	ND	10.4	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Bromoform	ND	95.0	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Bromomethane	ND	29.8	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Carbon disulfide	ND	27.6	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Carbon tetrachloride	ND	9.2	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Chlorobenzene	ND	21.4	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Chloroethane	ND	34.5	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Chloroform	ND	29.6	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Chloromethane	ND	40.9	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
cis-1,2-Dichloroethene	ND	11.8	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
cis-1,3-Dichloropropene	ND	9.0	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Dibromochloromethane	ND	66.1	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Dibromomethane	ND	24.8	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-5D2-202204

Date Sampled

A221616-03 (Water)

04/21/2022 15:15

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61072

Dichlorodifluoromethane	ND	11.4	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Diisopropyl ether	ND	27.5	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Ethylbenzene	ND	8.1	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Hexachloro-1,3-butadiene	ND	68.4	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Isopropylbenzene (Cumene)	ND	25.0	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
m&p-Xylene	ND	17.5	50.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Methylene Chloride	ND	8.0	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Methyl-tert-butyl ether	ND	28.2	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Naphthalene	ND	28.2	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
n-Butylbenzene	ND	21.4	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
n-Hexane	ND	36.6	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
n-Propylbenzene	ND	8.6	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
o-Xylene	ND	8.7	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
p-Isopropyltoluene	ND	26.1	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
sec-Butylbenzene	ND	10.6	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Styrene	ND	8.9	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
tert-Butylbenzene	ND	14.7	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Tetrachloroethene	2090	10.2	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Tetrahydrofuran	ND	60.5	625	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Toluene	ND	7.2	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
trans-1,2-Dichloroethene	ND	13.2	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
trans-1,3-Dichloropropene	ND	86.6	125	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Trichloroethene	15.8	8.0	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	J
Trichlorofluoromethane	ND	10.5	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Vinyl chloride	ND	4.4	25.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	
Xylene (Total)	ND	26.2	75.0	ug/L	25	04/28/2022	04/28/2022 17:48	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-5D3-202204
A221616-04 (Water)

Date Sampled
04/21/2022 14:01

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61072

1,1,1,2-Tetrachloroethane	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,1,1-Trichloroethane	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.38	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,1,2-Trichloroethane	ND	0.34	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.38	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,1-Dichloroethane	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,1-Dichloroethene	ND	0.58	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,1-Dichloropropene	ND	0.41	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,2,3-Trichlorobenzene	ND	1.0	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,2,3-Trichloropropane	ND	0.56	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.45	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	2.4	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.31	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,2-Dichlorobenzene	ND	0.33	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,2-Dichloroethane	ND	0.29	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,2-Dichloropropane	ND	0.45	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,3-Dichlorobenzene	ND	0.35	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,3-Dichloropropane	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
1,4-Dichlorobenzene	ND	0.89	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
2,2-Dichloropropane	ND	4.2	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
2-Butanone (MEK)	ND	6.5	25.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
2-Chlorotoluene	ND	0.89	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
2-Hexanone	ND	6.3	25.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
4-Chlorotoluene	ND	0.89	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	6.0	25.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Acetone	ND	8.6	25.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Benzene	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Bromobenzene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Bromodichloromethane	ND	0.42	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Bromoform	ND	3.8	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Bromomethane	ND	1.2	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Carbon disulfide	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Carbon tetrachloride	ND	0.37	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Chlorobenzene	ND	0.86	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Chloroethane	ND	1.4	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Chloroform	ND	1.2	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Chloromethane	ND	1.6	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
cis-1,2-Dichloroethene	ND	0.47	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
cis-1,3-Dichloropropene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Dibromochloromethane	ND	2.6	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Dibromomethane	ND	0.99	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-5D3-202204

Date Sampled

A221616-04 (Water)

04/21/2022 14:01

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61072

Dichlorodifluoromethane	ND	0.46	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Diisopropyl ether	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Ethylbenzene	ND	0.33	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Hexachloro-1,3-butadiene	ND	2.7	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Isopropylbenzene (Cumene)	ND	1.0	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
m&p-Xylene	ND	0.70	2.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Methylene Chloride	ND	0.32	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Methyl-tert-butyl ether	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Naphthalene	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
n-Butylbenzene	ND	0.86	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
n-Hexane	ND	1.5	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
n-Propylbenzene	ND	0.35	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
o-Xylene	ND	0.35	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
p-Isopropyltoluene	ND	1.0	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
sec-Butylbenzene	ND	0.42	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Styrene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
tert-Butylbenzene	ND	0.59	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Tetrachloroethene	ND	0.41	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Tetrahydrofuran	ND	2.4	25.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Toluene	ND	0.29	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
trans-1,2-Dichloroethene	ND	0.53	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
trans-1,3-Dichloropropene	ND	3.5	5.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Trichloroethene	ND	0.32	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Trichlorofluoromethane	ND	0.42	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	
Xylene (Total)	ND	1.0	3.0	ug/L	1	04/28/2022	04/28/2022 14:24	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-25D2-202204

Date Sampled

A221616-05 (Water)

04/21/2022 11:58

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61072

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
1,1,1-Trichloroethane	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	M1
1,1,2,2-Tetrachloroethane	ND	0.38	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
1,1,2-Trichloroethane	ND	0.34	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.38	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
1,1-Dichloroethane	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
1,1-Dichloroethene	ND	0.58	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
1,1-Dichloropropene	ND	0.41	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
1,2,3-Trichlorobenzene	ND	1.0	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
1,2,3-Trichloropropane	ND	0.56	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.45	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	2.4	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.31	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
1,2-Dichlorobenzene	ND	0.33	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
1,2-Dichloroethane	ND	0.29	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
1,2-Dichloropropane	ND	0.45	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
1,3-Dichlorobenzene	ND	0.35	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
1,3-Dichloropropane	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
1,4-Dichlorobenzene	ND	0.89	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
2,2-Dichloropropane	ND	4.2	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
2-Butanone (MEK)	ND	6.5	25.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
2-Chlorotoluene	ND	0.89	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
2-Hexanone	ND	6.3	25.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
4-Chlorotoluene	ND	0.89	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	6.0	25.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Acetone	ND	8.6	25.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Benzene	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Bromobenzene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Bromodichloromethane	ND	0.42	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Bromoform	ND	3.8	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Bromomethane	ND	1.2	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Carbon disulfide	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Carbon tetrachloride	ND	0.37	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Chlorobenzene	ND	0.86	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Chloroethane	ND	1.4	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Chloroform	ND	1.2	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Chloromethane	ND	1.6	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
cis-1,2-Dichloroethene	ND	0.47	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
cis-1,3-Dichloropropene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Dibromochloromethane	ND	2.6	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Dibromomethane	ND	0.99	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-25D2-202204

Date Sampled

A221616-05 (Water)

04/21/2022 11:58

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61072

Dichlorodifluoromethane	ND	0.46	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Diisopropyl ether	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Ethylbenzene	ND	0.33	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Hexachloro-1,3-butadiene	ND	2.7	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Isopropylbenzene (Cumene)	ND	1.0	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
m&p-Xylene	ND	0.70	2.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Methylene Chloride	ND	0.32	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Methyl-tert-butyl ether	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Naphthalene	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
n-Butylbenzene	ND	0.86	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
n-Hexane	ND	1.5	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
n-Propylbenzene	ND	0.35	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
o-Xylene	ND	0.35	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
p-Isopropyltoluene	ND	1.0	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
sec-Butylbenzene	ND	0.42	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Styrene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
tert-Butylbenzene	ND	0.59	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Tetrachloroethene	ND	0.41	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Tetrahydrofuran	ND	2.4	25.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Toluene	ND	0.29	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
trans-1,2-Dichloroethene	ND	0.53	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
trans-1,3-Dichloropropene	ND	3.5	5.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Trichloroethene	ND	0.32	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Trichlorofluoromethane	ND	0.42	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	
Xylene (Total)	ND	1.0	3.0	ug/L	1	04/28/2022	04/28/2022 13:43	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MP-14_135-140_202204

Date Sampled
04/20/2022 13:23

A221616-06 (Water)

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61072

1,1,1,2-Tetrachloroethane	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,1,1-Trichloroethane	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.38	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,1,2-Trichloroethane	ND	0.34	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.38	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,1-Dichloroethane	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,1-Dichloroethene	ND	0.58	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,1-Dichloropropene	ND	0.41	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,2,3-Trichlorobenzene	ND	1.0	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,2,3-Trichloropropane	ND	0.56	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.45	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	2.4	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.31	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,2-Dichlorobenzene	ND	0.33	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,2-Dichloroethane	ND	0.29	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,2-Dichloropropane	ND	0.45	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,3-Dichlorobenzene	ND	0.35	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,3-Dichloropropane	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
1,4-Dichlorobenzene	ND	0.89	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
2,2-Dichloropropane	ND	4.2	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
2-Butanone (MEK)	ND	6.5	25.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
2-Chlorotoluene	ND	0.89	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
2-Hexanone	ND	6.3	25.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
4-Chlorotoluene	ND	0.89	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	6.0	25.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Acetone	ND	8.6	25.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Benzene	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Bromobenzene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Bromodichloromethane	ND	0.42	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Bromoform	ND	3.8	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Bromomethane	ND	1.2	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Carbon disulfide	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Carbon tetrachloride	ND	0.37	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Chlorobenzene	ND	0.86	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Chloroethane	ND	1.4	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Chloroform	ND	1.2	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Chloromethane	ND	1.6	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
cis-1,2-Dichloroethene	1.5	0.47	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
cis-1,3-Dichloropropene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Dibromochloromethane	ND	2.6	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Dibromomethane	ND	0.99	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MP-14_135-140_202204

Date Sampled

A221616-06 (Water)

04/20/2022 13:23

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61072

Dichlorodifluoromethane	ND	0.46	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Diisopropyl ether	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Ethylbenzene	ND	0.33	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Hexachloro-1,3-butadiene	ND	2.7	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Isopropylbenzene (Cumene)	ND	1.0	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
m&p-Xylene	ND	0.70	2.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Methylene Chloride	ND	0.32	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Methyl-tert-butyl ether	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Naphthalene	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
n-Butylbenzene	ND	0.86	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
n-Hexane	ND	1.5	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
n-Propylbenzene	ND	0.35	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
o-Xylene	ND	0.35	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
p-Isopropyltoluene	ND	1.0	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
sec-Butylbenzene	ND	0.42	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Styrene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
tert-Butylbenzene	ND	0.59	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Tetrachloroethene	71.3	0.41	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Tetrahydrofuran	ND	2.4	25.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Toluene	ND	0.29	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
trans-1,2-Dichloroethene	ND	0.53	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
trans-1,3-Dichloropropene	ND	3.5	5.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Trichloroethene	3.3	0.32	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Trichlorofluoromethane	ND	0.42	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	
Xylene (Total)	ND	1.0	3.0	ug/L	1	04/28/2022	04/28/2022 14:44	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MP-16_140-144_202204

Date Sampled
04/20/2022 14:28

A221616-07 (Water)

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61072

1,1,1,2-Tetrachloroethane	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,1,1-Trichloroethane	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.38	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,1,2-Trichloroethane	ND	0.34	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.38	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,1-Dichloroethane	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,1-Dichloroethene	ND	0.58	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,1-Dichloropropene	ND	0.41	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,2,3-Trichlorobenzene	ND	1.0	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,2,3-Trichloropropane	ND	0.56	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.45	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	2.4	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.31	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,2-Dichlorobenzene	ND	0.33	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,2-Dichloroethane	ND	0.29	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,2-Dichloropropane	ND	0.45	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,3-Dichlorobenzene	ND	0.35	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,3-Dichloropropane	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
1,4-Dichlorobenzene	ND	0.89	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
2,2-Dichloropropane	ND	4.2	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
2-Butanone (MEK)	ND	6.5	25.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
2-Chlorotoluene	ND	0.89	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
2-Hexanone	ND	6.3	25.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
4-Chlorotoluene	ND	0.89	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	6.0	25.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Acetone	ND	8.6	25.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Benzene	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Bromobenzene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Bromodichloromethane	ND	0.42	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Bromoform	ND	3.8	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Bromomethane	ND	1.2	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Carbon disulfide	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Carbon tetrachloride	ND	0.37	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Chlorobenzene	ND	0.86	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Chloroethane	ND	1.4	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Chloroform	ND	1.2	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Chloromethane	ND	1.6	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
cis-1,2-Dichloroethene	2.2	0.47	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
cis-1,3-Dichloropropene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Dibromochloromethane	ND	2.6	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Dibromomethane	ND	0.99	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MP-16_140-144_202204

Date Sampled

A221616-07 (Water)

04/20/2022 14:28

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61072

Dichlorodifluoromethane	ND	0.46	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Diisopropyl ether	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Ethylbenzene	ND	0.33	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Hexachloro-1,3-butadiene	ND	2.7	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Isopropylbenzene (Cumene)	ND	1.0	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
m&p-Xylene	ND	0.70	2.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Methylene Chloride	ND	0.32	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Methyl-tert-butyl ether	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Naphthalene	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
n-Butylbenzene	ND	0.86	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
n-Hexane	ND	1.5	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
n-Propylbenzene	ND	0.35	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
o-Xylene	ND	0.35	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
p-Isopropyltoluene	ND	1.0	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
sec-Butylbenzene	ND	0.42	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Styrene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
tert-Butylbenzene	ND	0.59	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Tetrachloroethene	39.7	0.41	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Tetrahydrofuran	ND	2.4	25.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Toluene	ND	0.29	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
trans-1,2-Dichloroethene	ND	0.53	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
trans-1,3-Dichloropropene	ND	3.5	5.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Trichloroethene	7.7	0.32	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Trichlorofluoromethane	ND	0.42	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	
Xylene (Total)	ND	1.0	3.0	ug/L	1	04/28/2022	04/28/2022 15:04	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

Trip Blank-202204

Date Sampled

A221616-08 (Water)

04/20/2022 00:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61072

1,1,1,2-Tetrachloroethane	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,1,1-Trichloroethane	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.38	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,1,2-Trichloroethane	ND	0.34	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.38	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,1-Dichloroethane	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,1-Dichloroethene	ND	0.58	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,1-Dichloropropene	ND	0.41	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,2,3-Trichlorobenzene	ND	1.0	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,2,3-Trichloropropane	ND	0.56	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.45	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	2.4	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.31	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,2-Dichlorobenzene	ND	0.33	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,2-Dichloroethane	ND	0.29	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,2-Dichloropropane	ND	0.45	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,3-Dichlorobenzene	ND	0.35	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,3-Dichloropropane	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
1,4-Dichlorobenzene	ND	0.89	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
2,2-Dichloropropane	ND	4.2	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
2-Butanone (MEK)	ND	6.5	25.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
2-Chlorotoluene	ND	0.89	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
2-Hexanone	ND	6.3	25.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
4-Chlorotoluene	ND	0.89	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	6.0	25.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Acetone	ND	8.6	25.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Benzene	ND	0.30	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Bromobenzene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Bromodichloromethane	ND	0.42	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Bromoform	ND	3.8	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Bromomethane	ND	1.2	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Carbon disulfide	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Carbon tetrachloride	ND	0.37	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Chlorobenzene	ND	0.86	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Chloroethane	ND	1.4	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Chloroform	ND	1.2	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Chloromethane	ND	1.6	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
cis-1,2-Dichloroethene	ND	0.47	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
cis-1,3-Dichloropropene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Dibromochloromethane	ND	2.6	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Dibromomethane	ND	0.99	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

Trip Blank-202204

Date Sampled

A221616-08 (Water)

04/20/2022 00:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61072

Dichlorodifluoromethane	ND	0.46	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Diisopropyl ether	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Ethylbenzene	ND	0.33	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Hexachloro-1,3-butadiene	ND	2.7	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Isopropylbenzene (Cumene)	ND	1.0	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
m&p-Xylene	ND	0.70	2.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Methylene Chloride	ND	0.32	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Methyl-tert-butyl ether	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Naphthalene	ND	1.1	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
n-Butylbenzene	ND	0.86	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
n-Hexane	ND	1.5	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
n-Propylbenzene	ND	0.35	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
o-Xylene	ND	0.35	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
p-Isopropyltoluene	ND	1.0	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
sec-Butylbenzene	ND	0.42	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Styrene	ND	0.36	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
tert-Butylbenzene	ND	0.59	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Tetrachloroethene	ND	0.41	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Tetrahydrofuran	ND	2.4	25.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Toluene	ND	0.29	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
trans-1,2-Dichloroethene	ND	0.53	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
trans-1,3-Dichloropropene	ND	3.5	5.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Trichloroethene	ND	0.32	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Trichlorofluoromethane	ND	0.42	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	
Xylene (Total)	ND	1.0	3.0	ug/L	1	04/28/2022	04/28/2022 12:14	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
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
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Batch A205143 - EPA 3511

Blank (A205143-BLK1)

Prepared: 05/02/2022 Analyzed: 05/04/2022 01:22

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: Tetrachloro-meta-xylene	0.583		ug/L	0.7500		77.7	29.5-138			
Surrogate: Decachlorobiphenyl	0.669		ug/L	0.7500		89.2	30.1-143			

LCS (A205143-BS1)

Prepared: 05/02/2022 Analyzed: 05/04/2022 00:56

PCB-1254	9.10	0.12	ug/L	12.44		73.2	70-130			
Surrogate: Tetrachloro-meta-xylene	0.522		ug/L	0.7463		70.0	29.5-138			
Surrogate: Decachlorobiphenyl	0.626		ug/L	0.7463		83.9	30.1-143			

Matrix Spike (A205143-MS1)

Source: A221723-04

Prepared: 05/02/2022 Analyzed: 05/04/2022 09:45

PCB-1254	9.13	0.13	ug/L	12.50	ND	73.1	60-140			
Surrogate: Tetrachloro-meta-xylene	0.593		ug/L	0.7500		79.1	29.5-138			
Surrogate: Decachlorobiphenyl	0.604		ug/L	0.7500		80.6	30.1-143			

Matrix Spike Dup (A205143-MSD1)

Source: A221723-04

Prepared: 05/02/2022 Analyzed: 05/04/2022 10:12

PCB-1254	9.35	0.12	ug/L	12.47	ND	75.0	60-140	2.31	20	
Surrogate: Tetrachloro-meta-xylene	0.597		ug/L	0.7481		79.8	29.5-138			
Surrogate: Decachlorobiphenyl	0.629		ug/L	0.7481		84.1	30.1-143			

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

Notes and Definitions

- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference

Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.



CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

A221616

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC Environmental

Address: 708 Heartland Tr.

Report To: Andy Stehn

Copy To: Wesley Braga

Customer Project Name/Number: Madison Kipp Corp. 470140

Billing Information:

Email To: astehn@trccompanies.com

Site Collection Info/Address: Madison Kipp Corp

State: WI County/City: Madison Time Zone Collected: [] PT [] MT [] CT [] ET

Phone: 608-234-7374
Email: wbraga@trccompanies.com

Site/Facility ID #: []
Purchase Order #: 180318
Quote #:

Compliance Monitoring? [] Yes [] No
DW PWS ID #: []
DW Location Code: []

Collected By (print): Wesley Braga

Turnaround Date Required: []

Immediately Packed on Ice: [] Yes [] No

Collected By (signature): Wesley Braga

Rush: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day (Expedite Charges Apply)

Field Filtered (if applicable): [] Yes [] No

Sample Disposal: [] Dispose as appropriate [] Return [] Archive: [] Hold:

Analysis: []

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
MW-5S-202204	GW	G	4/21/22	1442				
MW-5D-202204	GW	G	4/21/22	1515			X	
MW-5D2-202204	GW	G	4/21/22	1515			X	
MW-5D3-202204	GW	G	4/21/22	1401			X	
MW-2SD2-202204	GW	G	4/21/22	1158			X	
MP-14(135-140)-202204	GW	G	4/20/22	1323			X	
MP-16(140-144)-202204	GW	G	4/20/22	1428			X	
Trip Blank 1	-	-	-	-			X	

Container Preservative Type **

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses									
VOCs	PCBs	TDS	TSS						
X	X	X							

Lab Project Manager:

Lab Sample Receipt Checklist:	
Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY: Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards: Type of Ice Used: Wet Blue Dry None

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Sample Temperature Info:

Packing Material Used: Radchem sample(s) screened (<500 cpm): Y N NA

Lab Tracking #: 2660274
Samples received via: FEDEX UPS Client Courier Pace Courier

Temp Blank Received: Y N NA
Therm ID#: 160142274 Exp 06/19/22
Cooler 1 Temp Upon Receipt: 3.8 oC
Cooler 1 Therm Corr. Factor: oC
Cooler 1 Corrected Temp: 3.8 oC
Comments:

Relinquished by/Company: (Signature) Wesley Braga

Date/Time: 4/22/22 12:45

Received by/Company: (Signature) Ramadan - PACE

Date/Time: 04/22/22 1245

MTJL LAB USE ONLY

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Table #: Acctnum: Template: Prelogin:

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

PM: PB:

Non Conformance(s): YES / NO Page: of:

April 29, 2022

Jessica Esser
Pace Analytical Madison
2525 Advance Road
Madison, WI 53718

RE: Project: A221616 MADISON KIPP CORP.
Pace Project No.: 40243885

Dear Jessica Esser:

Enclosed are the analytical results for sample(s) received by the laboratory on April 23, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: A221616 MADISON KIPP CORP.

Pace Project No.: 40243885

Pace Analytical Services Green Bay

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: A221616 MADISON KIPP CORP.

Pace Project No.: 40243885

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40243885001	MW-5S-202204	Water	04/21/22 14:42	04/23/22 07:45
40243885002	MW-5D-202204	Water	04/21/22 15:15	04/23/22 07:45
40243885003	MW-5D2-202204	Water	04/21/22 15:15	04/23/22 07:45
40243885004	MW-5D3-202204	Water	04/21/22 14:01	04/23/22 07:45
40243885005	MW-25D2-202204	Water	04/21/22 11:58	04/23/22 07:45
40243885006	MP-14_135-140_202204	Water	04/20/22 13:23	04/23/22 07:45
40243885007	MP-16_140-144_202204	Water	04/20/22 14:28	04/23/22 07:45
40243885008	TRIP BLANK-202204	Water	04/20/22 00:00	04/23/22 07:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: A221616 MADISON KIPP CORP.
Pace Project No.: 40243885

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40243885001	MW-5S-202204	SM 2540C	SRK	1
		SM 2540D	SRK	1
40243885002	MW-5D-202204	EPA 8260	EIB	73
40243885003	MW-5D2-202204	EPA 8260	EIB	73
40243885004	MW-5D3-202204	EPA 8260	EIB	73
40243885005	MW-25D2-202204	EPA 8260	EIB	73
40243885006	MP-14_135-140_202204	EPA 8260	EIB	73
40243885007	MP-16_140-144_202204	EPA 8260	EIB	73
40243885008	TRIP BLANK-202204	EPA 8260	EIB	73

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: A221616 MADISON KIPP CORP.

Pace Project No.: 40243885

Sample: MW-5S-202204 **Lab ID: 40243885001** Collected: 04/21/22 14:42 Received: 04/23/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	810	mg/L	20.0	8.7	1		04/27/22 09:47		
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Green Bay								
Total Suspended Solids	2.8	mg/L	2.0	0.95	1		04/26/22 10:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: A221616 MADISON KIPP CORP.
Pace Project No.: 40243885

Sample: MW-5D-202204 **Lab ID: 40243885002** Collected: 04/21/22 15:15 Received: 04/23/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<1.8	ug/L	5.0	1.8	5		04/29/22 10:59	630-20-6	
1,1,1-Trichloroethane	<1.5	ug/L	5.0	1.5	5		04/29/22 10:59	71-55-6	
1,1,2,2-Tetrachloroethane	<1.9	ug/L	5.0	1.9	5		04/29/22 10:59	79-34-5	
1,1,2-Trichloroethane	<1.7	ug/L	25.0	1.7	5		04/29/22 10:59	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.9	ug/L	25.0	1.9	5		04/29/22 10:59	76-13-1	
1,1-Dichloroethane	<1.5	ug/L	5.0	1.5	5		04/29/22 10:59	75-34-3	
1,1-Dichloroethene	<2.9	ug/L	5.0	2.9	5		04/29/22 10:59	75-35-4	
1,1-Dichloropropene	<2.1	ug/L	5.0	2.1	5		04/29/22 10:59	563-58-6	
1,2,3-Trichlorobenzene	<5.1	ug/L	25.0	5.1	5		04/29/22 10:59	87-61-6	
1,2,3-Trichloropropane	<2.8	ug/L	25.0	2.8	5		04/29/22 10:59	96-18-4	
1,2,4-Trichlorobenzene	<4.8	ug/L	25.0	4.8	5		04/29/22 10:59	120-82-1	
1,2,4-Trimethylbenzene	<2.2	ug/L	5.0	2.2	5		04/29/22 10:59	95-63-6	
1,2-Dibromo-3-chloropropane	<11.8	ug/L	25.0	11.8	5		04/29/22 10:59	96-12-8	
1,2-Dibromoethane (EDB)	<1.5	ug/L	5.0	1.5	5		04/29/22 10:59	106-93-4	
1,2-Dichlorobenzene	<1.6	ug/L	5.0	1.6	5		04/29/22 10:59	95-50-1	
1,2-Dichloroethane	<1.5	ug/L	5.0	1.5	5		04/29/22 10:59	107-06-2	
1,2-Dichloropropane	<2.2	ug/L	5.0	2.2	5		04/29/22 10:59	78-87-5	
1,3,5-Trimethylbenzene	<1.8	ug/L	5.0	1.8	5		04/29/22 10:59	108-67-8	
1,3-Dichlorobenzene	<1.8	ug/L	5.0	1.8	5		04/29/22 10:59	541-73-1	
1,3-Dichloropropane	<1.5	ug/L	5.0	1.5	5		04/29/22 10:59	142-28-9	
1,4-Dichlorobenzene	<4.5	ug/L	5.0	4.5	5		04/29/22 10:59	106-46-7	
2,2-Dichloropropane	<20.9	ug/L	25.0	20.9	5		04/29/22 10:59	594-20-7	
2-Butanone (MEK)	<32.6	ug/L	125	32.6	5		04/29/22 10:59	78-93-3	
2-Chlorotoluene	<4.4	ug/L	25.0	4.4	5		04/29/22 10:59	95-49-8	
2-Hexanone	<31.4	ug/L	125	31.4	5		04/29/22 10:59	591-78-6	
4-Chlorotoluene	<4.5	ug/L	25.0	4.5	5		04/29/22 10:59	106-43-4	
4-Methyl-2-pentanone (MIBK)	<29.8	ug/L	125	29.8	5		04/29/22 10:59	108-10-1	
Acetone	<43.2	ug/L	125	43.2	5		04/29/22 10:59	67-64-1	
Benzene	<1.5	ug/L	5.0	1.5	5		04/29/22 10:59	71-43-2	
Bromobenzene	<1.8	ug/L	5.0	1.8	5		04/29/22 10:59	108-86-1	
Bromochloromethane	<1.8	ug/L	25.0	1.8	5		04/29/22 10:59	74-97-5	
Bromodichloromethane	<2.1	ug/L	5.0	2.1	5		04/29/22 10:59	75-27-4	
Bromoform	<19.0	ug/L	25.0	19.0	5		04/29/22 10:59	75-25-2	
Bromomethane	<6.0	ug/L	25.0	6.0	5		04/29/22 10:59	74-83-9	
Carbon disulfide	<5.5	ug/L	25.0	5.5	5		04/29/22 10:59	75-15-0	
Carbon tetrachloride	<1.8	ug/L	5.0	1.8	5		04/29/22 10:59	56-23-5	
Chlorobenzene	<4.3	ug/L	5.0	4.3	5		04/29/22 10:59	108-90-7	
Chloroethane	<6.9	ug/L	25.0	6.9	5		04/29/22 10:59	75-00-3	
Chloroform	<5.9	ug/L	25.0	5.9	5		04/29/22 10:59	67-66-3	
Chloromethane	<8.2	ug/L	25.0	8.2	5		04/29/22 10:59	74-87-3	
Dibromochloromethane	<13.2	ug/L	25.0	13.2	5		04/29/22 10:59	124-48-1	
Dibromomethane	<5.0	ug/L	25.0	5.0	5		04/29/22 10:59	74-95-3	
Dichlorodifluoromethane	<2.3	ug/L	25.0	2.3	5		04/29/22 10:59	75-71-8	
Diisopropyl ether	<5.5	ug/L	25.0	5.5	5		04/29/22 10:59	108-20-3	
Ethylbenzene	<1.6	ug/L	5.0	1.6	5		04/29/22 10:59	100-41-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: A221616 MADISON KIPP CORP.

Pace Project No.: 40243885

Sample: MW-5D-202204 **Lab ID: 40243885002** Collected: 04/21/22 15:15 Received: 04/23/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Hexachloro-1,3-butadiene	<13.7	ug/L	25.0	13.7	5		04/29/22 10:59	87-68-3	
Isopropylbenzene (Cumene)	<5.0	ug/L	25.0	5.0	5		04/29/22 10:59	98-82-8	
Methyl-tert-butyl ether	<5.6	ug/L	25.0	5.6	5		04/29/22 10:59	1634-04-4	
Methylene Chloride	<1.6	ug/L	25.0	1.6	5		04/29/22 10:59	75-09-2	
Naphthalene	<5.6	ug/L	25.0	5.6	5		04/29/22 10:59	91-20-3	
Styrene	<1.8	ug/L	5.0	1.8	5		04/29/22 10:59	100-42-5	
Tetrachloroethene	273	ug/L	5.0	2.0	5		04/29/22 10:59	127-18-4	
Tetrahydrofuran	<12.1	ug/L	125	12.1	5		04/29/22 10:59	109-99-9	
Toluene	<1.4	ug/L	5.0	1.4	5		04/29/22 10:59	108-88-3	
Trichloroethene	5.6	ug/L	5.0	1.6	5		04/29/22 10:59	79-01-6	
Trichlorofluoromethane	<2.1	ug/L	5.0	2.1	5		04/29/22 10:59	75-69-4	
Vinyl chloride	<0.87	ug/L	5.0	0.87	5		04/29/22 10:59	75-01-4	
Xylene (Total)	<5.2	ug/L	15.0	5.2	5		04/29/22 10:59	1330-20-7	
cis-1,2-Dichloroethene	5.0	ug/L	5.0	2.4	5		04/29/22 10:59	156-59-2	
cis-1,3-Dichloropropene	<1.8	ug/L	5.0	1.8	5		04/29/22 10:59	10061-01-5	
m&p-Xylene	<3.5	ug/L	10.0	3.5	5		04/29/22 10:59	179601-23-1	
n-Butylbenzene	<4.3	ug/L	5.0	4.3	5		04/29/22 10:59	104-51-8	
n-Hexane	<7.3	ug/L	25.0	7.3	5		04/29/22 10:59	110-54-3	
n-Propylbenzene	<1.7	ug/L	5.0	1.7	5		04/29/22 10:59	103-65-1	
o-Xylene	<1.7	ug/L	5.0	1.7	5		04/29/22 10:59	95-47-6	
p-Isopropyltoluene	<5.2	ug/L	25.0	5.2	5		04/29/22 10:59	99-87-6	
sec-Butylbenzene	<2.1	ug/L	5.0	2.1	5		04/29/22 10:59	135-98-8	
tert-Butylbenzene	<2.9	ug/L	5.0	2.9	5		04/29/22 10:59	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	5.0	2.6	5		04/29/22 10:59	156-60-5	
trans-1,3-Dichloropropene	<17.3	ug/L	25.0	17.3	5		04/29/22 10:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		5		04/29/22 10:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		5		04/29/22 10:59	2199-69-1	
Toluene-d8 (S)	96	%	70-130		5		04/29/22 10:59	2037-26-5	

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ANALYTICAL RESULTS

Project: A221616 MADISON KIPP CORP.

Pace Project No.: 40243885

Sample: MW-5D2-202204 **Lab ID: 40243885003** Collected: 04/21/22 15:15 Received: 04/23/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<8.9	ug/L	25.0	8.9	25		04/28/22 17:48	630-20-6	
1,1,1-Trichloroethane	<7.6	ug/L	25.0	7.6	25		04/28/22 17:48	71-55-6	
1,1,2,2-Tetrachloroethane	<9.4	ug/L	25.0	9.4	25		04/28/22 17:48	79-34-5	
1,1,2-Trichloroethane	<8.6	ug/L	125	8.6	25		04/28/22 17:48	79-00-5	
1,1,2-Trichlorotrifluoroethane	<9.5	ug/L	125	9.5	25		04/28/22 17:48	76-13-1	
1,1-Dichloroethane	<7.4	ug/L	25.0	7.4	25		04/28/22 17:48	75-34-3	
1,1-Dichloroethene	<14.6	ug/L	25.0	14.6	25		04/28/22 17:48	75-35-4	
1,1-Dichloropropene	<10.3	ug/L	25.0	10.3	25		04/28/22 17:48	563-58-6	
1,2,3-Trichlorobenzene	<25.5	ug/L	125	25.5	25		04/28/22 17:48	87-61-6	
1,2,3-Trichloropropane	<13.9	ug/L	125	13.9	25		04/28/22 17:48	96-18-4	
1,2,4-Trichlorobenzene	<23.8	ug/L	125	23.8	25		04/28/22 17:48	120-82-1	
1,2,4-Trimethylbenzene	<11.2	ug/L	25.0	11.2	25		04/28/22 17:48	95-63-6	
1,2-Dibromo-3-chloropropane	<59.2	ug/L	125	59.2	25		04/28/22 17:48	96-12-8	
1,2-Dibromoethane (EDB)	<7.7	ug/L	25.0	7.7	25		04/28/22 17:48	106-93-4	
1,2-Dichlorobenzene	<8.1	ug/L	25.0	8.1	25		04/28/22 17:48	95-50-1	
1,2-Dichloroethane	<7.3	ug/L	25.0	7.3	25		04/28/22 17:48	107-06-2	
1,2-Dichloropropane	<11.2	ug/L	25.0	11.2	25		04/28/22 17:48	78-87-5	
1,3,5-Trimethylbenzene	<8.9	ug/L	25.0	8.9	25		04/28/22 17:48	108-67-8	
1,3-Dichlorobenzene	<8.8	ug/L	25.0	8.8	25		04/28/22 17:48	541-73-1	
1,3-Dichloropropane	<7.6	ug/L	25.0	7.6	25		04/28/22 17:48	142-28-9	
1,4-Dichlorobenzene	<22.3	ug/L	25.0	22.3	25		04/28/22 17:48	106-46-7	
2,2-Dichloropropane	<104	ug/L	125	104	25		04/28/22 17:48	594-20-7	
2-Butanone (MEK)	<163	ug/L	625	163	25		04/28/22 17:48	78-93-3	
2-Chlorotoluene	<22.2	ug/L	125	22.2	25		04/28/22 17:48	95-49-8	
2-Hexanone	<157	ug/L	625	157	25		04/28/22 17:48	591-78-6	
4-Chlorotoluene	<22.4	ug/L	125	22.4	25		04/28/22 17:48	106-43-4	
4-Methyl-2-pentanone (MIBK)	<149	ug/L	625	149	25		04/28/22 17:48	108-10-1	
Acetone	<216	ug/L	625	216	25		04/28/22 17:48	67-64-1	
Benzene	<7.4	ug/L	25.0	7.4	25		04/28/22 17:48	71-43-2	
Bromobenzene	<9.0	ug/L	25.0	9.0	25		04/28/22 17:48	108-86-1	
Bromochloromethane	<8.9	ug/L	125	8.9	25		04/28/22 17:48	74-97-5	
Bromodichloromethane	<10.4	ug/L	25.0	10.4	25		04/28/22 17:48	75-27-4	
Bromoform	<95.0	ug/L	125	95.0	25		04/28/22 17:48	75-25-2	
Bromomethane	<29.8	ug/L	125	29.8	25		04/28/22 17:48	74-83-9	
Carbon disulfide	<27.6	ug/L	125	27.6	25		04/28/22 17:48	75-15-0	
Carbon tetrachloride	<9.2	ug/L	25.0	9.2	25		04/28/22 17:48	56-23-5	
Chlorobenzene	<21.4	ug/L	25.0	21.4	25		04/28/22 17:48	108-90-7	
Chloroethane	<34.5	ug/L	125	34.5	25		04/28/22 17:48	75-00-3	
Chloroform	<29.6	ug/L	125	29.6	25		04/28/22 17:48	67-66-3	
Chloromethane	<40.9	ug/L	125	40.9	25		04/28/22 17:48	74-87-3	
Dibromochloromethane	<66.1	ug/L	125	66.1	25		04/28/22 17:48	124-48-1	
Dibromomethane	<24.8	ug/L	125	24.8	25		04/28/22 17:48	74-95-3	
Dichlorodifluoromethane	<11.4	ug/L	125	11.4	25		04/28/22 17:48	75-71-8	
Diisopropyl ether	<27.5	ug/L	125	27.5	25		04/28/22 17:48	108-20-3	
Ethylbenzene	<8.1	ug/L	25.0	8.1	25		04/28/22 17:48	100-41-4	

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ANALYTICAL RESULTS

Project: A221616 MADISON KIPP CORP.

Pace Project No.: 40243885

Sample: MW-5D2-202204 **Lab ID: 40243885003** Collected: 04/21/22 15:15 Received: 04/23/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Hexachloro-1,3-butadiene	<68.4	ug/L	125	68.4	25		04/28/22 17:48	87-68-3	
Isopropylbenzene (Cumene)	<25.0	ug/L	125	25.0	25		04/28/22 17:48	98-82-8	
Methyl-tert-butyl ether	<28.2	ug/L	125	28.2	25		04/28/22 17:48	1634-04-4	
Methylene Chloride	<8.0	ug/L	125	8.0	25		04/28/22 17:48	75-09-2	
Naphthalene	<28.2	ug/L	125	28.2	25		04/28/22 17:48	91-20-3	
Styrene	<8.9	ug/L	25.0	8.9	25		04/28/22 17:48	100-42-5	
Tetrachloroethene	2090	ug/L	25.0	10.2	25		04/28/22 17:48	127-18-4	
Tetrahydrofuran	<60.5	ug/L	625	60.5	25		04/28/22 17:48	109-99-9	
Toluene	<7.2	ug/L	25.0	7.2	25		04/28/22 17:48	108-88-3	
Trichloroethene	15.8J	ug/L	25.0	8.0	25		04/28/22 17:48	79-01-6	
Trichlorofluoromethane	<10.5	ug/L	25.0	10.5	25		04/28/22 17:48	75-69-4	
Vinyl chloride	<4.4	ug/L	25.0	4.4	25		04/28/22 17:48	75-01-4	
Xylene (Total)	<26.2	ug/L	75.0	26.2	25		04/28/22 17:48	1330-20-7	
cis-1,2-Dichloroethene	<11.8	ug/L	25.0	11.8	25		04/28/22 17:48	156-59-2	
cis-1,3-Dichloropropene	<9.0	ug/L	25.0	9.0	25		04/28/22 17:48	10061-01-5	
m&p-Xylene	<17.5	ug/L	50.0	17.5	25		04/28/22 17:48	179601-23-1	
n-Butylbenzene	<21.4	ug/L	25.0	21.4	25		04/28/22 17:48	104-51-8	
n-Hexane	<36.6	ug/L	125	36.6	25		04/28/22 17:48	110-54-3	
n-Propylbenzene	<8.6	ug/L	25.0	8.6	25		04/28/22 17:48	103-65-1	
o-Xylene	<8.7	ug/L	25.0	8.7	25		04/28/22 17:48	95-47-6	
p-Isopropyltoluene	<26.1	ug/L	125	26.1	25		04/28/22 17:48	99-87-6	
sec-Butylbenzene	<10.6	ug/L	25.0	10.6	25		04/28/22 17:48	135-98-8	
tert-Butylbenzene	<14.7	ug/L	25.0	14.7	25		04/28/22 17:48	98-06-6	
trans-1,2-Dichloroethene	<13.2	ug/L	25.0	13.2	25		04/28/22 17:48	156-60-5	
trans-1,3-Dichloropropene	<86.6	ug/L	125	86.6	25		04/28/22 17:48	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		25		04/28/22 17:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		25		04/28/22 17:48	2199-69-1	
Toluene-d8 (S)	97	%	70-130		25		04/28/22 17:48	2037-26-5	

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ANALYTICAL RESULTS

Project: A221616 MADISON KIPP CORP.

Pace Project No.: 40243885

Sample: MW-5D3-202204 Lab ID: 40243885004 Collected: 04/21/22 14:01 Received: 04/23/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		04/28/22 14:24	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/28/22 14:24	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/28/22 14:24	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/28/22 14:24	79-00-5	
1,1,2-Trichlorotrifluoroethane	<0.38	ug/L	5.0	0.38	1		04/28/22 14:24	76-13-1	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/28/22 14:24	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/28/22 14:24	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/28/22 14:24	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/28/22 14:24	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/28/22 14:24	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/28/22 14:24	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/28/22 14:24	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/28/22 14:24	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/28/22 14:24	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/28/22 14:24	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/28/22 14:24	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/28/22 14:24	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/28/22 14:24	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/28/22 14:24	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/28/22 14:24	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/28/22 14:24	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/28/22 14:24	594-20-7	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/28/22 14:24	78-93-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/28/22 14:24	95-49-8	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/28/22 14:24	591-78-6	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/28/22 14:24	106-43-4	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/28/22 14:24	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/28/22 14:24	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/28/22 14:24	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/28/22 14:24	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/28/22 14:24	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/28/22 14:24	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/28/22 14:24	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/28/22 14:24	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		04/28/22 14:24	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/28/22 14:24	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/28/22 14:24	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/28/22 14:24	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/28/22 14:24	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/28/22 14:24	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/28/22 14:24	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/28/22 14:24	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/28/22 14:24	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/28/22 14:24	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/28/22 14:24	100-41-4	

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ANALYTICAL RESULTS

Project: A221616 MADISON KIPP CORP.
Pace Project No.: 40243885

Sample: MW-5D3-202204 Lab ID: 40243885004 Collected: 04/21/22 14:01 Received: 04/23/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/28/22 14:24	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/28/22 14:24	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/28/22 14:24	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/28/22 14:24	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/28/22 14:24	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/28/22 14:24	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/28/22 14:24	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		04/28/22 14:24	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/28/22 14:24	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/28/22 14:24	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/28/22 14:24	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/28/22 14:24	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/28/22 14:24	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/28/22 14:24	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/28/22 14:24	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/28/22 14:24	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/28/22 14:24	104-51-8	
n-Hexane	<1.5	ug/L	5.0	1.5	1		04/28/22 14:24	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/28/22 14:24	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/28/22 14:24	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/28/22 14:24	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/28/22 14:24	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/28/22 14:24	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/28/22 14:24	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/28/22 14:24	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		04/28/22 14:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		04/28/22 14:24	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		04/28/22 14:24	2037-26-5	

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ANALYTICAL RESULTS

Project: A221616 MADISON KIPP CORP.

Pace Project No.: 40243885

Sample: MW-25D2-202204 **Lab ID: 40243885005** Collected: 04/21/22 11:58 Received: 04/23/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		04/28/22 13:43	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/28/22 13:43	71-55-6	M1
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/28/22 13:43	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/28/22 13:43	79-00-5	
1,1,2-Trichlorotrifluoroethane	<0.38	ug/L	5.0	0.38	1		04/28/22 13:43	76-13-1	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/28/22 13:43	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/28/22 13:43	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/28/22 13:43	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/28/22 13:43	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/28/22 13:43	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/28/22 13:43	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/28/22 13:43	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/28/22 13:43	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/28/22 13:43	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/28/22 13:43	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/28/22 13:43	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/28/22 13:43	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/28/22 13:43	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/28/22 13:43	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/28/22 13:43	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/28/22 13:43	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/28/22 13:43	594-20-7	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/28/22 13:43	78-93-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/28/22 13:43	95-49-8	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/28/22 13:43	591-78-6	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/28/22 13:43	106-43-4	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/28/22 13:43	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/28/22 13:43	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/28/22 13:43	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/28/22 13:43	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/28/22 13:43	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/28/22 13:43	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/28/22 13:43	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/28/22 13:43	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		04/28/22 13:43	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/28/22 13:43	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/28/22 13:43	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/28/22 13:43	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/28/22 13:43	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/28/22 13:43	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/28/22 13:43	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/28/22 13:43	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/28/22 13:43	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/28/22 13:43	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/28/22 13:43	100-41-4	

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ANALYTICAL RESULTS

Project: A221616 MADISON KIPP CORP.
Pace Project No.: 40243885

Sample: **MW-25D2-202204** Lab ID: **40243885005** Collected: 04/21/22 11:58 Received: 04/23/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/28/22 13:43	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/28/22 13:43	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/28/22 13:43	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/28/22 13:43	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/28/22 13:43	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/28/22 13:43	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/28/22 13:43	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		04/28/22 13:43	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/28/22 13:43	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/28/22 13:43	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/28/22 13:43	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/28/22 13:43	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/28/22 13:43	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/28/22 13:43	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/28/22 13:43	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/28/22 13:43	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/28/22 13:43	104-51-8	
n-Hexane	<1.5	ug/L	5.0	1.5	1		04/28/22 13:43	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/28/22 13:43	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/28/22 13:43	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/28/22 13:43	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/28/22 13:43	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/28/22 13:43	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/28/22 13:43	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/28/22 13:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		04/28/22 13:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/28/22 13:43	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		04/28/22 13:43	2037-26-5	

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ANALYTICAL RESULTS

Project: A221616 MADISON KIPP CORP.

Pace Project No.: 40243885

Sample: **MP-14_135-140_202204** Lab ID: **40243885006** Collected: 04/20/22 13:23 Received: 04/23/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		04/28/22 14:44	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/28/22 14:44	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/28/22 14:44	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/28/22 14:44	79-00-5	
1,1,2-Trichlorotrifluoroethane	<0.38	ug/L	5.0	0.38	1		04/28/22 14:44	76-13-1	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/28/22 14:44	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/28/22 14:44	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/28/22 14:44	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/28/22 14:44	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/28/22 14:44	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/28/22 14:44	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/28/22 14:44	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/28/22 14:44	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/28/22 14:44	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/28/22 14:44	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/28/22 14:44	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/28/22 14:44	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/28/22 14:44	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/28/22 14:44	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/28/22 14:44	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/28/22 14:44	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/28/22 14:44	594-20-7	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/28/22 14:44	78-93-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/28/22 14:44	95-49-8	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/28/22 14:44	591-78-6	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/28/22 14:44	106-43-4	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/28/22 14:44	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/28/22 14:44	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/28/22 14:44	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/28/22 14:44	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/28/22 14:44	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/28/22 14:44	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/28/22 14:44	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/28/22 14:44	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		04/28/22 14:44	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/28/22 14:44	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/28/22 14:44	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/28/22 14:44	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/28/22 14:44	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/28/22 14:44	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/28/22 14:44	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/28/22 14:44	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/28/22 14:44	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/28/22 14:44	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/28/22 14:44	100-41-4	

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ANALYTICAL RESULTS

Project: A221616 MADISON KIPP CORP.
Pace Project No.: 40243885

Sample: **MP-14_135-140_202204** Lab ID: **40243885006** Collected: 04/20/22 13:23 Received: 04/23/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/28/22 14:44	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/28/22 14:44	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/28/22 14:44	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/28/22 14:44	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/28/22 14:44	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/28/22 14:44	100-42-5	
Tetrachloroethene	71.3	ug/L	1.0	0.41	1		04/28/22 14:44	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		04/28/22 14:44	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/28/22 14:44	108-88-3	
Trichloroethene	3.3	ug/L	1.0	0.32	1		04/28/22 14:44	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/28/22 14:44	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/28/22 14:44	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/28/22 14:44	1330-20-7	
cis-1,2-Dichloroethene	1.5	ug/L	1.0	0.47	1		04/28/22 14:44	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/28/22 14:44	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/28/22 14:44	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/28/22 14:44	104-51-8	
n-Hexane	<1.5	ug/L	5.0	1.5	1		04/28/22 14:44	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/28/22 14:44	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/28/22 14:44	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/28/22 14:44	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/28/22 14:44	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/28/22 14:44	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/28/22 14:44	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/28/22 14:44	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/28/22 14:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		04/28/22 14:44	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		04/28/22 14:44	2037-26-5	

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ANALYTICAL RESULTS

Project: A221616 MADISON KIPP CORP.

Pace Project No.: 40243885

Sample: **MP-16_140-144_202204** Lab ID: **40243885007** Collected: 04/20/22 14:28 Received: 04/23/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		04/28/22 15:04	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/28/22 15:04	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/28/22 15:04	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/28/22 15:04	79-00-5	
1,1,2-Trichlorotrifluoroethane	<0.38	ug/L	5.0	0.38	1		04/28/22 15:04	76-13-1	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/28/22 15:04	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/28/22 15:04	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/28/22 15:04	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/28/22 15:04	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/28/22 15:04	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/28/22 15:04	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/28/22 15:04	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/28/22 15:04	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/28/22 15:04	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/28/22 15:04	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/28/22 15:04	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/28/22 15:04	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/28/22 15:04	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/28/22 15:04	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/28/22 15:04	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/28/22 15:04	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/28/22 15:04	594-20-7	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/28/22 15:04	78-93-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/28/22 15:04	95-49-8	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/28/22 15:04	591-78-6	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/28/22 15:04	106-43-4	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/28/22 15:04	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/28/22 15:04	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/28/22 15:04	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/28/22 15:04	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/28/22 15:04	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/28/22 15:04	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/28/22 15:04	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/28/22 15:04	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		04/28/22 15:04	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/28/22 15:04	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/28/22 15:04	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/28/22 15:04	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/28/22 15:04	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/28/22 15:04	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/28/22 15:04	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/28/22 15:04	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/28/22 15:04	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/28/22 15:04	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/28/22 15:04	100-41-4	

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ANALYTICAL RESULTS

Project: A221616 MADISON KIPP CORP.

Pace Project No.: 40243885

Sample: MP-16_140-144_202204 Lab ID: 40243885007 Collected: 04/20/22 14:28 Received: 04/23/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/28/22 15:04	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/28/22 15:04	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/28/22 15:04	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/28/22 15:04	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/28/22 15:04	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/28/22 15:04	100-42-5	
Tetrachloroethene	39.7	ug/L	1.0	0.41	1		04/28/22 15:04	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		04/28/22 15:04	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/28/22 15:04	108-88-3	
Trichloroethene	7.7	ug/L	1.0	0.32	1		04/28/22 15:04	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/28/22 15:04	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/28/22 15:04	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/28/22 15:04	1330-20-7	
cis-1,2-Dichloroethene	2.2	ug/L	1.0	0.47	1		04/28/22 15:04	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/28/22 15:04	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/28/22 15:04	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/28/22 15:04	104-51-8	
n-Hexane	<1.5	ug/L	5.0	1.5	1		04/28/22 15:04	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/28/22 15:04	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/28/22 15:04	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/28/22 15:04	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/28/22 15:04	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/28/22 15:04	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/28/22 15:04	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/28/22 15:04	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/28/22 15:04	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		04/28/22 15:04	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		04/28/22 15:04	2037-26-5	

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ANALYTICAL RESULTS

Project: A221616 MADISON KIPP CORP.
Pace Project No.: 40243885

Sample: TRIP BLANK-202204 Lab ID: 40243885008 Collected: 04/20/22 00:00 Received: 04/23/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		04/28/22 12:14	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/28/22 12:14	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/28/22 12:14	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/28/22 12:14	79-00-5	
1,1,2-Trichlorotrifluoroethane	<0.38	ug/L	5.0	0.38	1		04/28/22 12:14	76-13-1	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/28/22 12:14	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/28/22 12:14	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/28/22 12:14	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/28/22 12:14	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/28/22 12:14	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/28/22 12:14	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/28/22 12:14	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/28/22 12:14	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/28/22 12:14	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/28/22 12:14	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/28/22 12:14	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/28/22 12:14	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/28/22 12:14	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/28/22 12:14	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/28/22 12:14	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/28/22 12:14	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/28/22 12:14	594-20-7	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/28/22 12:14	78-93-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/28/22 12:14	95-49-8	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/28/22 12:14	591-78-6	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/28/22 12:14	106-43-4	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/28/22 12:14	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/28/22 12:14	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/28/22 12:14	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/28/22 12:14	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/28/22 12:14	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/28/22 12:14	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/28/22 12:14	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/28/22 12:14	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		04/28/22 12:14	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/28/22 12:14	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/28/22 12:14	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/28/22 12:14	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/28/22 12:14	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/28/22 12:14	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/28/22 12:14	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/28/22 12:14	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/28/22 12:14	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/28/22 12:14	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/28/22 12:14	100-41-4	

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ANALYTICAL RESULTS

Project: A221616 MADISON KIPP CORP.

Pace Project No.: 40243885

Sample: TRIP BLANK-202204 Lab ID: 40243885008 Collected: 04/20/22 00:00 Received: 04/23/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/28/22 12:14	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/28/22 12:14	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/28/22 12:14	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/28/22 12:14	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/28/22 12:14	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/28/22 12:14	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/28/22 12:14	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		04/28/22 12:14	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/28/22 12:14	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/28/22 12:14	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/28/22 12:14	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/28/22 12:14	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/28/22 12:14	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/28/22 12:14	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/28/22 12:14	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/28/22 12:14	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/28/22 12:14	104-51-8	
n-Hexane	<1.5	ug/L	5.0	1.5	1		04/28/22 12:14	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/28/22 12:14	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/28/22 12:14	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/28/22 12:14	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/28/22 12:14	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/28/22 12:14	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/28/22 12:14	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/28/22 12:14	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/28/22 12:14	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		04/28/22 12:14	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		04/28/22 12:14	2037-26-5	

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QUALITY CONTROL DATA

Project: A221616 MADISON KIPP CORP.

Pace Project No.: 40243885

QC Batch: 414183

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40243885002, 40243885003, 40243885004, 40243885005, 40243885006, 40243885007, 40243885008

METHOD BLANK: 2384707

Matrix: Water

Associated Lab Samples: 40243885002, 40243885003, 40243885004, 40243885005, 40243885006, 40243885007, 40243885008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	04/28/22 09:10	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	04/28/22 09:10	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	04/28/22 09:10	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	04/28/22 09:10	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.38	5.0	04/28/22 09:10	
1,1-Dichloroethane	ug/L	<0.30	1.0	04/28/22 09:10	
1,1-Dichloroethene	ug/L	<0.58	1.0	04/28/22 09:10	
1,1-Dichloropropane	ug/L	<0.41	1.0	04/28/22 09:10	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	04/28/22 09:10	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	04/28/22 09:10	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/28/22 09:10	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	04/28/22 09:10	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	04/28/22 09:10	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	04/28/22 09:10	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	04/28/22 09:10	
1,2-Dichloroethane	ug/L	<0.29	1.0	04/28/22 09:10	
1,2-Dichloropropane	ug/L	<0.45	1.0	04/28/22 09:10	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	04/28/22 09:10	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	04/28/22 09:10	
1,3-Dichloropropane	ug/L	<0.30	1.0	04/28/22 09:10	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	04/28/22 09:10	
2,2-Dichloropropane	ug/L	<4.2	5.0	04/28/22 09:10	
2-Butanone (MEK)	ug/L	<6.5	25.0	04/28/22 09:10	
2-Chlorotoluene	ug/L	<0.89	5.0	04/28/22 09:10	
2-Hexanone	ug/L	<6.3	25.0	04/28/22 09:10	
4-Chlorotoluene	ug/L	<0.89	5.0	04/28/22 09:10	
4-Methyl-2-pentanone (MIBK)	ug/L	<6.0	25.0	04/28/22 09:10	
Acetone	ug/L	<8.6	25.0	04/28/22 09:10	
Benzene	ug/L	<0.30	1.0	04/28/22 09:10	
Bromobenzene	ug/L	<0.36	1.0	04/28/22 09:10	
Bromochloromethane	ug/L	<0.36	5.0	04/28/22 09:10	
Bromodichloromethane	ug/L	<0.42	1.0	04/28/22 09:10	
Bromoform	ug/L	<3.8	5.0	04/28/22 09:10	
Bromomethane	ug/L	<1.2	5.0	04/28/22 09:10	
Carbon disulfide	ug/L	<1.1	5.0	04/28/22 09:10	
Carbon tetrachloride	ug/L	<0.37	1.0	04/28/22 09:10	
Chlorobenzene	ug/L	<0.86	1.0	04/28/22 09:10	
Chloroethane	ug/L	<1.4	5.0	04/28/22 09:10	
Chloroform	ug/L	<1.2	5.0	04/28/22 09:10	
Chloromethane	ug/L	<1.6	5.0	04/28/22 09:10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: A221616 MADISON KIPP CORP.
Pace Project No.: 40243885

METHOD BLANK: 2384707 Matrix: Water
Associated Lab Samples: 40243885002, 40243885003, 40243885004, 40243885005, 40243885006, 40243885007, 40243885008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	04/28/22 09:10	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	04/28/22 09:10	
Dibromochloromethane	ug/L	<2.6	5.0	04/28/22 09:10	
Dibromomethane	ug/L	<0.99	5.0	04/28/22 09:10	
Dichlorodifluoromethane	ug/L	<0.46	5.0	04/28/22 09:10	
Diisopropyl ether	ug/L	<1.1	5.0	04/28/22 09:10	
Ethylbenzene	ug/L	<0.33	1.0	04/28/22 09:10	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	04/28/22 09:10	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	04/28/22 09:10	
m&p-Xylene	ug/L	<0.70	2.0	04/28/22 09:10	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	04/28/22 09:10	
Methylene Chloride	ug/L	<0.32	5.0	04/28/22 09:10	
n-Butylbenzene	ug/L	<0.86	1.0	04/28/22 09:10	
n-Hexane	ug/L	<1.5	5.0	04/28/22 09:10	
n-Propylbenzene	ug/L	<0.35	1.0	04/28/22 09:10	
Naphthalene	ug/L	<1.1	5.0	04/28/22 09:10	
o-Xylene	ug/L	<0.35	1.0	04/28/22 09:10	
p-Isopropyltoluene	ug/L	<1.0	5.0	04/28/22 09:10	
sec-Butylbenzene	ug/L	<0.42	1.0	04/28/22 09:10	
Styrene	ug/L	<0.36	1.0	04/28/22 09:10	
tert-Butylbenzene	ug/L	<0.59	1.0	04/28/22 09:10	
Tetrachloroethene	ug/L	<0.41	1.0	04/28/22 09:10	
Tetrahydrofuran	ug/L	<2.4	25.0	04/28/22 09:10	
Toluene	ug/L	<0.29	1.0	04/28/22 09:10	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	04/28/22 09:10	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	04/28/22 09:10	
Trichloroethene	ug/L	<0.32	1.0	04/28/22 09:10	
Trichlorofluoromethane	ug/L	<0.42	1.0	04/28/22 09:10	
Vinyl chloride	ug/L	<0.17	1.0	04/28/22 09:10	
Xylene (Total)	ug/L	<1.0	3.0	04/28/22 09:10	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130	04/28/22 09:10	
4-Bromofluorobenzene (S)	%	93	70-130	04/28/22 09:10	
Toluene-d8 (S)	%	96	70-130	04/28/22 09:10	

LABORATORY CONTROL SAMPLE: 2384708

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	65.1	130	70-134	
1,1,2,2-Tetrachloroethane	ug/L	50	44.1	88	69-130	
1,1,2-Trichloroethane	ug/L	50	45.0	90	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	62.5	125	50-150	
1,1-Dichloroethane	ug/L	50	51.6	103	70-130	
1,1-Dichloroethene	ug/L	50	61.0	122	74-131	
1,2,4-Trichlorobenzene	ug/L	50	51.1	102	68-130	

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QUALITY CONTROL DATA

Project: A221616 MADISON KIPP CORP.
Pace Project No.: 40243885

LABORATORY CONTROL SAMPLE: 2384708

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	50	47.4	95	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	48.3	97	70-130	
1,2-Dichlorobenzene	ug/L	50	49.9	100	70-130	
1,2-Dichloroethane	ug/L	50	55.6	111	70-137	
1,2-Dichloropropane	ug/L	50	46.9	94	80-121	
1,3-Dichlorobenzene	ug/L	50	51.3	103	70-130	
1,4-Dichlorobenzene	ug/L	50	50.7	101	70-130	
Benzene	ug/L	50	52.1	104	70-130	
Bromodichloromethane	ug/L	50	54.5	109	70-130	
Bromoform	ug/L	50	52.7	105	70-130	
Bromomethane	ug/L	50	43.2	86	21-147	
Carbon disulfide	ug/L	50	58.9	118	70-130	
Carbon tetrachloride	ug/L	50	68.9	138	80-146	
Chlorobenzene	ug/L	50	53.2	106	70-130	
Chloroethane	ug/L	50	56.3	113	52-165	
Chloroform	ug/L	50	56.6	113	80-123	
Chloromethane	ug/L	50	42.0	84	51-122	
cis-1,2-Dichloroethene	ug/L	50	51.8	104	70-130	
cis-1,3-Dichloropropene	ug/L	50	45.5	91	70-130	
Dibromochloromethane	ug/L	50	52.4	105	70-130	
Dichlorodifluoromethane	ug/L	50	44.7	89	25-121	
Ethylbenzene	ug/L	50	54.4	109	80-120	
Isopropylbenzene (Cumene)	ug/L	50	57.2	114	70-130	
m&p-Xylene	ug/L	100	110	110	70-130	
Methyl-tert-butyl ether	ug/L	50	49.3	99	70-130	
Methylene Chloride	ug/L	50	60.1	120	70-130	
o-Xylene	ug/L	50	53.0	106	70-130	
Styrene	ug/L	50	54.7	109	70-130	
Tetrachloroethene	ug/L	50	54.5	109	70-130	
Toluene	ug/L	50	50.3	101	80-120	
trans-1,2-Dichloroethene	ug/L	50	54.3	109	70-130	
trans-1,3-Dichloropropene	ug/L	50	40.7	81	70-130	
Trichloroethene	ug/L	50	55.7	111	70-130	
Trichlorofluoromethane	ug/L	50	67.7	135	65-160	
Vinyl chloride	ug/L	50	48.8	98	63-134	
Xylene (Total)	ug/L	150	163	109	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2384709 2384710

Parameter	Units	40243885005 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	66.6	67.6	133	135	70-134	1	20	M1

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QUALITY CONTROL DATA

Project: A221616 MADISON KIPP CORP.

Pace Project No.: 40243885

Parameter	Units	2384709		2384710		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40243885005 Result	MS Spike Conc.	MSD Spike Conc.	MSD Result								
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	42.0	43.7	84	87	61-135	4	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	46.2	47.2	92	94	70-130	2	20		
1,1,2-Trichlorotrifluoroethane	ug/L	<0.38	50	50	59.8	60.7	120	121	50-150	1	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	52.2	52.3	104	105	70-130	0	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	60.6	63.3	121	127	71-130	4	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	50.5	52.4	101	105	68-131	4	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	47.8	47.8	96	96	51-141	0	20		
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	48.0	49.3	96	99	70-130	3	20		
1,2-Dichlorobenzene	ug/L	<0.33	50	50	51.3	51.5	103	103	70-130	0	20		
1,2-Dichloroethane	ug/L	<0.29	50	50	55.2	54.8	110	110	70-137	1	20		
1,2-Dichloropropane	ug/L	<0.45	50	50	47.3	47.6	95	95	80-121	1	20		
1,3-Dichlorobenzene	ug/L	<0.35	50	50	51.3	52.0	103	104	70-130	1	20		
1,4-Dichlorobenzene	ug/L	<0.89	50	50	50.7	50.6	101	101	70-130	0	20		
Benzene	ug/L	<0.30	50	50	52.9	53.0	106	106	70-130	0	20		
Bromodichloromethane	ug/L	<0.42	50	50	56.2	55.5	112	111	70-130	1	20		
Bromoform	ug/L	<3.8	50	50	52.9	54.0	106	108	70-133	2	20		
Bromomethane	ug/L	<1.2	50	50	50.4	51.2	101	102	21-149	2	22		
Carbon disulfide	ug/L	<1.1	50	50	59.5	60.2	119	120	70-130	1	20		
Carbon tetrachloride	ug/L	<0.37	50	50	70.2	69.3	140	139	80-146	1	20		
Chlorobenzene	ug/L	<0.86	50	50	55.5	54.4	111	109	70-130	2	20		
Chloroethane	ug/L	<1.4	50	50	59.1	58.5	118	117	52-165	1	20		
Chloroform	ug/L	<1.2	50	50	56.7	56.9	113	114	80-123	0	20		
Chloromethane	ug/L	<1.6	50	50	44.1	43.1	88	86	42-125	2	20		
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	52.4	52.0	105	104	70-130	1	20		
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	45.1	45.1	90	90	70-130	0	20		
Dibromochloromethane	ug/L	<2.6	50	50	54.2	53.2	108	106	70-130	2	20		
Dichlorodifluoromethane	ug/L	<0.46	50	50	44.6	43.8	89	88	25-121	2	20		
Ethylbenzene	ug/L	<0.33	50	50	56.8	55.8	114	112	80-121	2	20		
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	59.8	58.3	120	117	70-130	3	20		
m&p-Xylene	ug/L	<0.70	100	100	116	112	116	112	70-130	3	20		
Methyl-tert-butyl ether	ug/L	<1.1	50	50	50.7	50.8	101	102	70-130	0	20		
Methylene Chloride	ug/L	<0.32	50	50	62.7	61.8	125	124	70-130	1	20		
o-Xylene	ug/L	<0.35	50	50	55.7	55.1	111	110	70-130	1	20		
Styrene	ug/L	<0.36	50	50	56.1	55.5	112	111	70-132	1	20		
Tetrachloroethene	ug/L	<0.41	50	50	57.4	54.9	115	110	70-130	4	20		
Toluene	ug/L	<0.29	50	50	52.8	51.8	106	104	80-120	2	20		
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	54.9	55.2	110	110	70-130	0	20		
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	41.7	41.5	83	83	70-130	1	20		
Trichloroethene	ug/L	<0.32	50	50	58.3	57.4	117	115	70-130	2	20		
Trichlorofluoromethane	ug/L	<0.42	50	50	68.6	67.9	137	136	65-160	1	20		
Vinyl chloride	ug/L	<0.17	50	50	51.4	50.3	103	101	60-137	2	20		
Xylene (Total)	ug/L	<1.0	150	150	172	167	114	112	70-130	3	20		
1,2-Dichlorobenzene-d4 (S)	%						96	95	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: A221616 MADISON KIPP CORP.

Pace Project No.: 40243885

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2384709 2384710												
Parameter	Units	40243885005 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
4-Bromofluorobenzene (S)	%							95	95	70-130		
Toluene-d8 (S)	%							98	97	70-130		

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QUALITY CONTROL DATA

Project: A221616 MADISON KIPP CORP.

Pace Project No.: 40243885

QC Batch: 414204

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40243885001

METHOD BLANK: 2384799

Matrix: Water

Associated Lab Samples: 40243885001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	04/27/22 09:45	

LABORATORY CONTROL SAMPLE: 2384800

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	555	562	101	80-120	

SAMPLE DUPLICATE: 2384801

Parameter	Units	40243954001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	816	816	0	10	

SAMPLE DUPLICATE: 2384802

Parameter	Units	40243956001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1050	1050	0	10	

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QUALITY CONTROL DATA

Project: A221616 MADISON KIPP CORP.
Pace Project No.: 40243885

QC Batch: 414107	Analysis Method: SM 2540D
QC Batch Method: SM 2540D	Analysis Description: 2540D Total Suspended Solids
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40243885001

METHOD BLANK: 2384375 Matrix: Water
Associated Lab Samples: 40243885001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	04/26/22 10:34	

LABORATORY CONTROL SAMPLE: 2384376

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	96.0	96	80-120	

SAMPLE DUPLICATE: 2384377

Parameter	Units	40243840001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	593	557	6	10	

SAMPLE DUPLICATE: 2384378

Parameter	Units	40243877001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	35.4	37.6	6	10	

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QUALIFIERS

Project: A221616 MADISON KIPP CORP.

Pace Project No.: 40243885

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, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: A221616 MADISON KIPP CORP.
Pace Project No.: 40243885

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40243885002	MW-5D-202204	EPA 8260	414183		
40243885003	MW-5D2-202204	EPA 8260	414183		
40243885004	MW-5D3-202204	EPA 8260	414183		
40243885005	MW-25D2-202204	EPA 8260	414183		
40243885006	MP-14_135-140_202204	EPA 8260	414183		
40243885007	MP-16_140-144_202204	EPA 8260	414183		
40243885008	TRIP BLANK-202204	EPA 8260	414183		
40243885001	MW-5S-202204	SM 2540C	414204		
40243885001	MW-5S-202204	SM 2540D	414107		

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SUBCONTRACT ORDER

Pace Analytical - Madison

A221616

4/24/3885

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 - Green Bay, WI
 1241 Bellevue St
 Green Bay, WI 54302
 Phone : (920) 469-2436
 Fax:

Turn around Time: Normal
 Rush

Project Name: Madison Kipp Corporation - Madison, WI

Analysis	Due	Expires	Laboratory ID	Comments
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001 MW-5S-202204 Lab ID: A221616-01 Water Sampled: 04/21/2022 14:42 [Redacted] [Redacted]

Subcontracted Analysis - Pace	05/06/2022 00:00	05/05/2022 14:42		Dissolved Solids, Total
2540D - Suspended Solids	05/06/2022 00:00	04/28/2022 14:42		

Containers Supplied:

002 MW-5D-202204 Lab ID: A221616-02 Water Sampled: 04/21/2022 15:15 [Redacted] [Redacted]

8260 WI Full List	05/06/2022 00:00	05/05/2022 15:15		Report to MDL-Report total xylenes
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Containers Supplied:

003 MW-5D2-202204 Lab ID: A221616-03 Water Sampled: 04/21/2022 15:15 [Redacted] [Redacted]

8260 WI Full List	05/06/2022 00:00	05/05/2022 15:15		Report to MDL-Report total xylenes
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Containers Supplied:

004 MW-5D3-202204 Lab ID: A221616-04 Water Sampled: 04/21/2022 14:01 [Redacted] [Redacted]

8260 WI Full List	05/06/2022 00:00	05/05/2022 14:01		Report to MDL-Report total xylenes
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Containers Supplied:

005 MW-25D2-202204 Lab ID: A221616-05 Water Sampled: 04/21/2022 11:58 [Redacted] MS/MSD VOLUME

8260 WI Full List	05/06/2022 00:00	05/05/2022 11:58		Report to MDL-Report total xylenes
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Containers Supplied:

<i>Jessica Esser</i>	<i>04-22-22 1600</i>	Released By	Date	Received By	Date
<i>CS Lewis</i>	<i>4-23-22 0745</i>	Released By	Date	<i>John P. [Signature]</i>	<i>4-23-22 0745</i>



SUBCONTRACT ORDER

Pace Analytical - Madison

A221616

4/20/22 13:23

Analysis	Due	Expires	Laboratory ID	Comments
066 MP-14_135-140_202204 8260 WI Full List <i>Containers Supplied:</i>	Lab ID: A221616-06 Water 05/06/2022 00:00	Sampled: 04/20/2022 13:23 05/04/2022 13:23	[REDACTED]	Report to MDL-Report total xylenes
007 MP-16_140-144_202204 8260 WI Full List <i>Containers Supplied:</i>	Lab ID: A221616-07 Water 05/06/2022 00:00	Sampled: 04/20/2022 14:28 05/04/2022 14:28	[REDACTED]	Report to MDL-Report total xylenes
008 Trip Blank-202204 8260 WI Full List <i>Containers Supplied:</i>	Lab ID: A221616-08 Water 05/06/2022 00:00	Sampled: 04/20/2022 00:00 05/04/2022 00:00	[REDACTED]	Report to MDL-Report total xylenes

<i>Jessica Edder</i>	04-22-22 1606		
Released By	Date	Received By	Date
<i>CS Logistics</i>	4.23.22 0745	<i>Ash P. Pace</i>	4.23.22 0745
Released By	Date	Received By	Date

Sample Condition Upon Receipt Form (SCUR)

Project #: _____

Client Name: Pace - Madison

WO# : 40243885

Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____



Tracking #: _____

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-116 Type of Ice: Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 3 / Corr: 3.1

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 4.23.22 / Initials: [Signature]
 Labeled By Initials: [Signature]

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	4. <u>[Signature]</u> 4.23.22
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
- Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
- Pace IR Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
- Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

May 09, 2022

Andrew Stehn
TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison, WI 53717
RE: Madison Kipp Corporation - Madison, WI

Enclosed are the analytical results for the samples received by the laboratory on 04/26/2022.

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,

Ramadhan Audy For Jessica Esser
Project Manager

Certification List

Expires

Certification List	Expires
ILEPA Illinois Secondary NELAP Accreditation 004366	04/30/2022
KDHE Kansas Secondary NELAP Accreditation E-10384	04/30/2022
LELAP Louisiana Primary NELAP Accreditation 04165	06/30/2022
NJDEP New Jersey Secondary NELAP Accreditation WI004	06/30/2022
NYDOH New York Department of Health 12110	04/01/2022
TCEQ Texas Secondary NELAP Accreditation T104704504-20-11	11/30/2022
WDNR Wisconsin Certification under NR 149 113289110	08/31/2022

TRC Environmental Corporation, Inc.
 708 Heartland Trail, Ste 3000
 Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
 Project Number: 470140
 Project Manager: Andrew Stehn

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3D-202204	A221707-01	Water	04/26/2022	04/26/2022
MW-3D2-202204	A221707-02	Water	04/26/2022	04/26/2022
MW-4S-202204	A221707-03	Water	04/25/2022	04/26/2022
MW-4D-202204	A221707-04	Water	04/25/2022	04/26/2022
MW-4D2-202204	A221707-05	Water	04/25/2022	04/26/2022
MW-6S-202204	A221707-06	Water	04/25/2022	04/26/2022
MW-6D-202204	A221707-07	Water	04/25/2022	04/26/2022
MW-9D2-202204	A221707-08	Water	04/26/2022	04/26/2022
MW-17-202204	A221707-09	Water	04/25/2022	04/26/2022
MW-11S-202204	A221707-10	Water	04/26/2022	04/26/2022
MW-27D-202204	A221707-11	Water	04/25/2022	04/26/2022
DUP-01-202204	A221707-12	Water	04/25/2022	04/26/2022
DUP-02-202204	A221707-13	Water	04/26/2022	04/26/2022
FB-01-202204	A221707-14	Water	04/26/2022	04/26/2022

CASE NARRATIVE

Sample Receipt Information:

14 samples were received on 04/26/2022 17:00. Samples were received in acceptable condition, with the exceptions noted below.

Sample A221707-04 had a discrepancy between the collection time on the chain of custody (COC) and the collection time on the container. Per the client, the COC collection time is correct.

VOC and TSS/TDS 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.

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-3D-202204

Date Sampled

A221707-01 (Water)

04/26/2022 14:44

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A205143

PCB-1016	ND	0.0071	0.12	ug/L	1	05/02/2022	05/04/2022 03:35	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 03:35	EPA 8082A	
PCB-1232	ND	0.0042	0.12	ug/L	1	05/02/2022	05/04/2022 03:35	EPA 8082A	
PCB-1242	ND	0.013	0.12	ug/L	1	05/02/2022	05/04/2022 03:35	EPA 8082A	
PCB-1248	ND	0.011	0.12	ug/L	1	05/02/2022	05/04/2022 03:35	EPA 8082A	
PCB-1254	ND	0.0099	0.12	ug/L	1	05/02/2022	05/04/2022 03:35	EPA 8082A	
PCB-1260	ND	0.012	0.12	ug/L	1	05/02/2022	05/04/2022 03:35	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 03:35	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>			80.1 %	29.5-138		05/02/2022	05/04/2022 03:35	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl</i>			84.6 %	30.1-143		05/02/2022	05/04/2022 03:35	EPA 8082A	

Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

1,1,1,2-Tetrachloroethane	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,1,1-Trichloroethane	ND	3.0	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	3.8	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,1,2-Trichloroethane	ND	3.4	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	3.8	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,1-Dichloroethane	ND	3.0	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,1-Dichloroethene	ND	5.8	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,1-Dichloropropene	ND	4.1	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,2,3-Trichlorobenzene	ND	10.2	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,2,3-Trichloropropane	ND	5.6	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,2,4-Trichlorobenzene	ND	9.5	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,2,4-Trimethylbenzene	ND	4.5	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	23.7	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,2-Dibromoethane (EDB)	ND	3.1	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,2-Dichlorobenzene	ND	3.3	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,2-Dichloroethane	ND	2.9	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,2-Dichloropropane	ND	4.5	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,3,5-Trimethylbenzene	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,3-Dichlorobenzene	ND	3.5	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,3-Dichloropropane	ND	3.0	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
1,4-Dichlorobenzene	ND	8.9	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
2,2-Dichloropropane	ND	41.8	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
2-Butanone (MEK)	ND	65.2	250	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
2-Chlorotoluene	ND	8.9	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
2-Hexanone	ND	62.8	250	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
4-Chlorotoluene	ND	8.9	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	59.5	250	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Acetone	ND	86.4	250	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Benzene	ND	3.0	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Bromobenzene	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-3D-202204
A221707-01 (Water)

Date Sampled
04/26/2022 14:44

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

Bromochloromethane	ND	3.6	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Bromodichloromethane	ND	4.2	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Bromoform	ND	38.0	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Bromomethane	ND	11.9	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Carbon disulfide	ND	11.0	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Carbon tetrachloride	ND	3.7	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Chlorobenzene	ND	8.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Chloroethane	ND	13.8	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Chloroform	ND	11.8	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Chloromethane	ND	16.4	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
cis-1,2-Dichloroethene	36.7	4.7	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Dibromochloromethane	ND	26.4	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Dibromomethane	ND	9.9	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Dichlorodifluoromethane	ND	4.6	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Diisopropyl ether	ND	11.0	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Ethylbenzene	ND	3.3	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Hexachloro-1,3-butadiene	ND	27.4	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Isopropylbenzene (Cumene)	ND	10.0	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
m&p-Xylene	ND	7.0	20.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Methylene Chloride	ND	3.2	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Methyl-tert-butyl ether	ND	11.3	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Naphthalene	ND	11.3	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
n-Butylbenzene	ND	8.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
n-Hexane	ND	14.6	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
n-Propylbenzene	ND	3.5	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
o-Xylene	ND	3.5	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
p-Isopropyltoluene	ND	10.4	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
sec-Butylbenzene	ND	4.2	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Styrene	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
tert-Butylbenzene	ND	5.9	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Tetrachloroethene	625	4.1	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Tetrahydrofuran	ND	24.2	250	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Toluene	ND	2.9	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
trans-1,2-Dichloroethene	ND	5.3	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
trans-1,3-Dichloropropene	ND	34.6	50.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Trichloroethene	37.9	3.2	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Trichlorofluoromethane	ND	4.2	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Vinyl chloride	ND	1.7	10.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	
Xylene (Total)	ND	10.5	30.0	ug/L	10	04/29/2022	04/29/2022 17:38	EPA 8260	

SM 2540C

Preparation Batch: WET 46107

Total Dissolved Solids	1010	8.7	20.0	mg/L	1	04/29/2022	04/29/2022 16:22	SM 2540C	
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SM 2540D

Preparation Batch: WET 46095

TRC Environmental Corporation, Inc.
 708 Heartland Trail, Ste 3000
 Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
 Project Number: 470140
 Project Manager: Andrew Stehn

MW-3D-202204

Date Sampled

A221707-01 (Water)

04/26/2022 14:44

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

SM 2540D

Preparation Batch: WET 46095

Total Suspended Solids	5.0	0.95	2.0	mg/L	1	04/28/2022	04/28/2022 16:24	SM 2540D	
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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-3D2-202204
A221707-02 (Water)

Date Sampled
04/26/2022 14:01

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

1,1,1,2-Tetrachloroethane	ND	1.8	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,1,1-Trichloroethane	ND	1.5	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	1.9	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,1,2-Trichloroethane	ND	1.7	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	1.9	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,1-Dichloroethane	ND	1.5	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,1-Dichloroethene	ND	2.9	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,1-Dichloropropene	ND	2.1	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,2,3-Trichlorobenzene	ND	5.1	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,2,3-Trichloropropane	ND	2.8	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,2,4-Trichlorobenzene	ND	4.8	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,2,4-Trimethylbenzene	ND	2.2	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	11.8	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,2-Dibromoethane (EDB)	ND	1.5	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,2-Dichlorobenzene	ND	1.6	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,2-Dichloroethane	ND	1.5	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,2-Dichloropropane	ND	2.2	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,3,5-Trimethylbenzene	ND	1.8	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,3-Dichlorobenzene	ND	1.8	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,3-Dichloropropane	ND	1.5	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
1,4-Dichlorobenzene	ND	4.5	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
2,2-Dichloropropane	ND	20.9	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
2-Butanone (MEK)	ND	32.6	125	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
2-Chlorotoluene	ND	4.4	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
2-Hexanone	ND	31.4	125	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
4-Chlorotoluene	ND	4.5	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	29.8	125	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Acetone	ND	43.2	125	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Benzene	ND	1.5	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Bromobenzene	ND	1.8	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Bromochloromethane	ND	1.8	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Bromodichloromethane	ND	2.1	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Bromoform	ND	19.0	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Bromomethane	ND	6.0	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Carbon disulfide	ND	5.5	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Carbon tetrachloride	ND	1.8	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Chlorobenzene	ND	4.3	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Chloroethane	ND	6.9	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Chloroform	ND	5.9	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Chloromethane	ND	8.2	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
cis-1,2-Dichloroethene	18.8	2.4	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
cis-1,3-Dichloropropene	ND	1.8	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Dibromochloromethane	ND	13.2	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Dibromomethane	ND	5.0	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-3D2-202204
A221707-02 (Water)

Date Sampled
04/26/2022 14:01

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

Dichlorodifluoromethane	ND	2.3	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Diisopropyl ether	ND	5.5	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Ethylbenzene	ND	1.6	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Hexachloro-1,3-butadiene	ND	13.7	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Isopropylbenzene (Cumene)	ND	5.0	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
m&p-Xylene	ND	3.5	10.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Methylene Chloride	ND	1.6	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Methyl-tert-butyl ether	ND	5.6	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Naphthalene	ND	5.6	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
n-Butylbenzene	ND	4.3	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
n-Hexane	ND	7.3	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
n-Propylbenzene	ND	1.7	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
o-Xylene	ND	1.7	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
p-Isopropyltoluene	ND	5.2	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
sec-Butylbenzene	ND	2.1	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Styrene	ND	1.8	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
tert-Butylbenzene	ND	2.9	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Tetrachloroethene	299	2.0	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Tetrahydrofuran	ND	12.1	125	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Toluene	ND	1.4	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
trans-1,2-Dichloroethene	ND	2.6	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
trans-1,3-Dichloropropene	ND	17.3	25.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Trichloroethene	14.0	1.6	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Trichlorofluoromethane	ND	2.1	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Vinyl chloride	ND	0.87	5.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	
Xylene (Total)	ND	5.2	15.0	ug/L	5	04/29/2022	04/29/2022 18:36	EPA 8260	

TRC Environmental Corporation, Inc.
 708 Heartland Trail, Ste 3000
 Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
 Project Number: 470140
 Project Manager: Andrew Stehn

MW-4S-202204

Date Sampled

A221707-03 (Water)

04/25/2022 17:05

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A205143

PCB-1016	ND	0.0071	0.12	ug/L	1	05/02/2022	05/04/2022 04:02	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 04:02	EPA 8082A	
PCB-1232	ND	0.0042	0.12	ug/L	1	05/02/2022	05/04/2022 04:02	EPA 8082A	
PCB-1242	ND	0.013	0.12	ug/L	1	05/02/2022	05/04/2022 04:02	EPA 8082A	
PCB-1248	ND	0.011	0.12	ug/L	1	05/02/2022	05/04/2022 04:02	EPA 8082A	
PCB-1254	ND	0.0099	0.12	ug/L	1	05/02/2022	05/04/2022 04:02	EPA 8082A	
PCB-1260	ND	0.012	0.12	ug/L	1	05/02/2022	05/04/2022 04:02	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 04:02	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			70.7 %	29.5-138		05/02/2022	05/04/2022 04:02	EPA 8082A	
Surrogate: Decachlorobiphenyl			84.2 %	30.1-143		05/02/2022	05/04/2022 04:02	EPA 8082A	

Pace Analytical-Green Bay, WI

SM 2540C

Preparation Batch: WET 46107

Total Dissolved Solids	2400	8.7	20.0	mg/L	1	04/29/2022	04/29/2022 16:23	SM 2540C	
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SM 2540D

Preparation Batch: WET 46095

Total Suspended Solids	1.4	0.95	2.0	mg/L	1	04/28/2022	04/28/2022 16:24	SM 2540D	J
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TRC Environmental Corporation, Inc.
 708 Heartland Trail, Ste 3000
 Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
 Project Number: 470140
 Project Manager: Andrew Stehn

MW-4D-202204

Date Sampled

A221707-04 (Water)

04/25/2022 15:59

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A205143

PCB-1016	ND	0.0072	0.13	ug/L	1	05/02/2022	05/04/2022 04:28	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 04:28	EPA 8082A	
PCB-1232	ND	0.0042	0.13	ug/L	1	05/02/2022	05/04/2022 04:28	EPA 8082A	
PCB-1242	ND	0.013	0.13	ug/L	1	05/02/2022	05/04/2022 04:28	EPA 8082A	
PCB-1248	ND	0.011	0.13	ug/L	1	05/02/2022	05/04/2022 04:28	EPA 8082A	
PCB-1254	ND	0.010	0.13	ug/L	1	05/02/2022	05/04/2022 04:28	EPA 8082A	
PCB-1260	ND	0.012	0.13	ug/L	1	05/02/2022	05/04/2022 04:28	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 04:28	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			72.6 %	29.5-138		05/02/2022	05/04/2022 04:28	EPA 8082A	
Surrogate: Decachlorobiphenyl			82.7 %	30.1-143		05/02/2022	05/04/2022 04:28	EPA 8082A	

Pace Analytical-Green Bay, WI

SM 2540C

Preparation Batch: WET 46107

Total Dissolved Solids	1410	8.7	20.0	mg/L	1	04/29/2022	04/29/2022 16:23	SM 2540C	
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SM 2540D

Preparation Batch: WET 46095

Total Suspended Solids	1.4	0.95	2.0	mg/L	1	04/28/2022	04/28/2022 16:24	SM 2540D	J
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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-4D2-202204

Date Sampled

A221707-05 (Water)

04/25/2022 15:35

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

1,1,1,2-Tetrachloroethane	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,1,1-Trichloroethane	ND	0.30	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.38	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,1,2-Trichloroethane	ND	0.34	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.38	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,1-Dichloroethane	ND	0.30	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,1-Dichloroethene	ND	0.58	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,1-Dichloropropene	ND	0.41	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,2,3-Trichlorobenzene	ND	1.0	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,2,3-Trichloropropane	ND	0.56	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.45	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	2.4	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.31	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,2-Dichlorobenzene	ND	0.33	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,2-Dichloroethane	ND	0.29	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,2-Dichloropropane	ND	0.45	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,3-Dichlorobenzene	ND	0.35	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,3-Dichloropropane	ND	0.30	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
1,4-Dichlorobenzene	ND	0.89	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
2,2-Dichloropropane	ND	4.2	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
2-Butanone (MEK)	ND	6.5	25.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
2-Chlorotoluene	ND	0.89	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
2-Hexanone	ND	6.3	25.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
4-Chlorotoluene	ND	0.89	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	6.0	25.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Acetone	ND	8.6	25.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Benzene	ND	0.30	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Bromobenzene	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Bromodichloromethane	ND	0.42	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Bromoform	ND	3.8	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Bromomethane	ND	1.2	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Carbon disulfide	ND	1.1	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Carbon tetrachloride	ND	0.37	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Chlorobenzene	ND	0.86	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Chloroethane	ND	1.4	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Chloroform	ND	1.2	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Chloromethane	ND	1.6	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
cis-1,2-Dichloroethene	ND	0.47	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
cis-1,3-Dichloropropene	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Dibromochloromethane	ND	2.6	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Dibromomethane	ND	0.99	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-4D2-202204

Date Sampled

A221707-05 (Water)

04/25/2022 15:35

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

Dichlorodifluoromethane	ND	0.46	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Diisopropyl ether	ND	1.1	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Ethylbenzene	ND	0.33	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Hexachloro-1,3-butadiene	ND	2.7	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Isopropylbenzene (Cumene)	ND	1.0	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
m&p-Xylene	ND	0.70	2.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Methylene Chloride	ND	0.32	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Methyl-tert-butyl ether	ND	1.1	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Naphthalene	ND	1.1	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
n-Butylbenzene	ND	0.86	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
n-Hexane	ND	1.5	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
n-Propylbenzene	ND	0.35	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
o-Xylene	ND	0.35	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
p-Isopropyltoluene	ND	1.0	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
sec-Butylbenzene	ND	0.42	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Styrene	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
tert-Butylbenzene	ND	0.59	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Tetrachloroethene	ND	0.41	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Tetrahydrofuran	ND	2.4	25.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Toluene	ND	0.29	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
trans-1,2-Dichloroethene	ND	0.53	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
trans-1,3-Dichloropropene	ND	3.5	5.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Trichloroethene	ND	0.32	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Trichlorofluoromethane	ND	0.42	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	
Xylene (Total)	ND	1.0	3.0	ug/L	1	04/29/2022	04/29/2022 14:46	EPA 8260	

TRC Environmental Corporation, Inc.
 708 Heartland Trail, Ste 3000
 Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
 Project Number: 470140
 Project Manager: Andrew Stehn

MW-6S-202204

Date Sampled

A221707-06 (Water)

04/25/2022 13:35

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A205143

PCB-1016	ND	0.0071	0.12	ug/L	1	05/02/2022	05/04/2022 04:54	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 04:54	EPA 8082A	
PCB-1232	ND	0.0042	0.12	ug/L	1	05/02/2022	05/04/2022 04:54	EPA 8082A	
PCB-1242	ND	0.013	0.12	ug/L	1	05/02/2022	05/04/2022 04:54	EPA 8082A	
PCB-1248	ND	0.011	0.12	ug/L	1	05/02/2022	05/04/2022 04:54	EPA 8082A	
PCB-1254	ND	0.0099	0.12	ug/L	1	05/02/2022	05/04/2022 04:54	EPA 8082A	
PCB-1260	ND	0.012	0.12	ug/L	1	05/02/2022	05/04/2022 04:54	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 04:54	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>			78.0 %	29.5-138		05/02/2022	05/04/2022 04:54	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl</i>			86.1 %	30.1-143		05/02/2022	05/04/2022 04:54	EPA 8082A	

Pace Analytical-Green Bay, WI

SM 2540C

Preparation Batch: WET 46145

Total Dissolved Solids	6370	144	333	mg/L	1	05/04/2022	05/04/2022 09:34	SM 2540C	H5
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SM 2540D

Preparation Batch: WET 46095

Total Suspended Solids	4.2	0.95	2.0	mg/L	1	04/28/2022	04/28/2022 16:24	SM 2540D	
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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-6D-202204

Date Sampled

A221707-07 (Water)

04/25/2022 13:34

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

1,1,1,2-Tetrachloroethane	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,1,1-Trichloroethane	ND	3.0	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	3.8	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,1,2-Trichloroethane	ND	3.4	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	3.8	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,1-Dichloroethane	ND	3.0	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,1-Dichloroethene	ND	5.8	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,1-Dichloropropene	ND	4.1	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,2,3-Trichlorobenzene	ND	10.2	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,2,3-Trichloropropane	ND	5.6	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,2,4-Trichlorobenzene	ND	9.5	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,2,4-Trimethylbenzene	ND	4.5	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	23.7	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,2-Dibromoethane (EDB)	ND	3.1	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,2-Dichlorobenzene	ND	3.3	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,2-Dichloroethane	ND	2.9	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,2-Dichloropropane	ND	4.5	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,3,5-Trimethylbenzene	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,3-Dichlorobenzene	ND	3.5	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,3-Dichloropropane	ND	3.0	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
1,4-Dichlorobenzene	ND	8.9	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
2,2-Dichloropropane	ND	41.8	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
2-Butanone (MEK)	ND	65.2	250	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
2-Chlorotoluene	ND	8.9	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
2-Hexanone	ND	62.8	250	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
4-Chlorotoluene	ND	8.9	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	59.5	250	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Acetone	ND	86.4	250	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Benzene	183	3.0	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Bromobenzene	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Bromochloromethane	ND	3.6	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Bromodichloromethane	ND	4.2	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Bromoform	ND	38.0	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Bromomethane	ND	11.9	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Carbon disulfide	ND	11.0	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Carbon tetrachloride	ND	3.7	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Chlorobenzene	ND	8.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Chloroethane	ND	13.8	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Chloroform	ND	11.8	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Chloromethane	ND	16.4	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
cis-1,2-Dichloroethene	8.3	4.7	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	J
cis-1,3-Dichloropropene	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Dibromochloromethane	ND	26.4	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Dibromomethane	ND	9.9	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-6D-202204
A221707-07 (Water)

Date Sampled
04/25/2022 13:34

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

Dichlorodifluoromethane	ND	4.6	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Diisopropyl ether	ND	11.0	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Ethylbenzene	ND	3.3	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Hexachloro-1,3-butadiene	ND	27.4	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Isopropylbenzene (Cumene)	10.7	10.0	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	J
m&p-Xylene	ND	7.0	20.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Methylene Chloride	ND	3.2	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Methyl-tert-butyl ether	ND	11.3	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Naphthalene	ND	11.3	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
n-Butylbenzene	ND	8.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
n-Hexane	ND	14.6	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
n-Propylbenzene	ND	3.5	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
o-Xylene	ND	3.5	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
p-Isopropyltoluene	ND	10.4	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
sec-Butylbenzene	ND	4.2	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Styrene	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
tert-Butylbenzene	ND	5.9	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Tetrachloroethene	ND	4.1	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Tetrahydrofuran	ND	24.2	250	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Toluene	6.8	2.9	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	J
trans-1,2-Dichloroethene	ND	5.3	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
trans-1,3-Dichloropropene	ND	34.6	50.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Trichloroethene	5.3	3.2	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	J
Trichlorofluoromethane	ND	4.2	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Vinyl chloride	ND	1.7	10.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	
Xylene (Total)	ND	10.5	30.0	ug/L	10	04/29/2022	04/29/2022 17:58	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-9D2-202204

Date Sampled

A221707-08 (Water)

04/26/2022 11:11

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

1,1,1,2-Tetrachloroethane	ND	0.71	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,1,1-Trichloroethane	ND	0.61	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.76	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,1,2-Trichloroethane	ND	0.69	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.76	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,1-Dichloroethane	ND	0.59	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,1-Dichloroethene	ND	1.2	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,1-Dichloropropene	ND	0.82	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,2,3-Trichlorobenzene	ND	2.0	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,2,3-Trichloropropane	ND	1.1	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,2,4-Trichlorobenzene	ND	1.9	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.90	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	4.7	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.62	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,2-Dichlorobenzene	ND	0.65	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,2-Dichloroethane	ND	0.58	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,2-Dichloropropane	ND	0.90	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.71	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,3-Dichlorobenzene	ND	0.70	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,3-Dichloropropane	ND	0.61	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
1,4-Dichlorobenzene	ND	1.8	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
2,2-Dichloropropane	ND	8.4	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
2-Butanone (MEK)	ND	13.0	50.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
2-Chlorotoluene	ND	1.8	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
2-Hexanone	ND	12.6	50.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
4-Chlorotoluene	ND	1.8	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	11.9	50.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Acetone	ND	17.3	50.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Benzene	ND	0.59	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Bromobenzene	ND	0.72	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Bromochloromethane	ND	0.72	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Bromodichloromethane	ND	0.83	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Bromoform	ND	7.6	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Bromomethane	ND	2.4	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Carbon disulfide	ND	2.2	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Carbon tetrachloride	ND	0.74	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Chlorobenzene	ND	1.7	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Chloroethane	ND	2.8	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Chloroform	ND	2.4	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Chloromethane	ND	3.3	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
cis-1,2-Dichloroethene	85.1	0.94	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
cis-1,3-Dichloropropene	ND	0.72	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Dibromochloromethane	ND	5.3	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Dibromomethane	ND	2.0	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-9D2-202204

Date Sampled

A221707-08 (Water)

04/26/2022 11:11

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

Dichlorodifluoromethane	ND	0.91	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Diisopropyl ether	ND	2.2	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Ethylbenzene	ND	0.65	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Hexachloro-1,3-butadiene	ND	5.5	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Isopropylbenzene (Cumene)	ND	2.0	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
m&p-Xylene	ND	1.4	4.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Methylene Chloride	ND	0.64	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Methyl-tert-butyl ether	10.2	2.3	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Naphthalene	ND	2.3	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
n-Butylbenzene	ND	1.7	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
n-Hexane	ND	2.9	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
n-Propylbenzene	ND	0.69	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
o-Xylene	ND	0.70	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
p-Isopropyltoluene	ND	2.1	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
sec-Butylbenzene	ND	0.85	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Styrene	ND	0.71	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
tert-Butylbenzene	ND	1.2	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Tetrachloroethene	234	0.82	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Tetrahydrofuran	ND	4.8	50.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Toluene	ND	0.58	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
trans-1,2-Dichloroethene	1.6	1.1	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	J
trans-1,3-Dichloropropene	ND	6.9	10.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Trichloroethene	43.7	0.64	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Trichlorofluoromethane	ND	0.84	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Vinyl chloride	3.0	0.35	2.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	
Xylene (Total)	ND	2.1	6.0	ug/L	2	04/29/2022	04/29/2022 18:55	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-17-202204

Date Sampled

A221707-09 (Water)

04/25/2022 12:08

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

1,1,1,2-Tetrachloroethane	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,1,1-Trichloroethane	ND	3.0	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	3.8	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,1,2-Trichloroethane	ND	3.4	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	3.8	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,1-Dichloroethane	ND	3.0	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,1-Dichloroethene	ND	5.8	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,1-Dichloropropene	ND	4.1	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,2,3-Trichlorobenzene	ND	10.2	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,2,3-Trichloropropane	ND	5.6	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,2,4-Trichlorobenzene	ND	9.5	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,2,4-Trimethylbenzene	ND	4.5	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	23.7	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,2-Dibromoethane (EDB)	ND	3.1	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,2-Dichlorobenzene	ND	3.3	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,2-Dichloroethane	ND	2.9	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,2-Dichloropropane	ND	4.5	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,3,5-Trimethylbenzene	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,3-Dichlorobenzene	ND	3.5	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,3-Dichloropropane	ND	3.0	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
1,4-Dichlorobenzene	ND	8.9	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
2,2-Dichloropropane	ND	41.8	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
2-Butanone (MEK)	ND	65.2	250	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
2-Chlorotoluene	ND	8.9	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
2-Hexanone	ND	62.8	250	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
4-Chlorotoluene	ND	8.9	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	59.5	250	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Acetone	ND	86.4	250	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Benzene	ND	3.0	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Bromobenzene	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Bromochloromethane	ND	3.6	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Bromodichloromethane	ND	4.2	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Bromoform	ND	38.0	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Bromomethane	ND	11.9	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Carbon disulfide	ND	11.0	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Carbon tetrachloride	ND	3.7	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Chlorobenzene	ND	8.6	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Chloroethane	ND	13.8	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Chloroform	ND	11.8	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Chloromethane	ND	16.4	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
cis-1,2-Dichloroethene	6.0	4.7	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	J
cis-1,3-Dichloropropene	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Dibromochloromethane	ND	26.4	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Dibromomethane	ND	9.9	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-17-202204

Date Sampled

A221707-09 (Water)

04/25/2022 12:08

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

Dichlorodifluoromethane	ND	4.6	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Diisopropyl ether	ND	11.0	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Ethylbenzene	ND	3.3	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Hexachloro-1,3-butadiene	ND	27.4	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Isopropylbenzene (Cumene)	ND	10.0	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
m&p-Xylene	ND	7.0	20.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Methylene Chloride	ND	3.2	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Methyl-tert-butyl ether	ND	11.3	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Naphthalene	ND	11.3	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
n-Butylbenzene	ND	8.6	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
n-Hexane	ND	14.6	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
n-Propylbenzene	ND	3.5	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
o-Xylene	ND	3.5	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
p-Isopropyltoluene	ND	10.4	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
sec-Butylbenzene	ND	4.2	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Styrene	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
tert-Butylbenzene	ND	5.9	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Tetrachloroethene	452	4.1	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Tetrahydrofuran	ND	24.2	250	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Toluene	ND	2.9	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
trans-1,2-Dichloroethene	ND	5.3	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
trans-1,3-Dichloropropene	ND	34.6	50.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Trichloroethene	21.7	3.2	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Trichlorofluoromethane	ND	4.2	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Vinyl chloride	ND	1.7	10.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	
Xylene (Total)	ND	10.5	30.0	ug/L	10	04/29/2022	04/29/2022 18:17	EPA 8260	

TRC Environmental Corporation, Inc.
 708 Heartland Trail, Ste 3000
 Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
 Project Number: 470140
 Project Manager: Andrew Stehn

MW-11S-202204

Date Sampled

A221707-10 (Water)

04/26/2022 11:55

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A205143

PCB-1016	ND	0.0072	0.12	ug/L	1	05/02/2022	05/04/2022 06:41	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 06:41	EPA 8082A	
PCB-1232	ND	0.0042	0.12	ug/L	1	05/02/2022	05/04/2022 06:41	EPA 8082A	
PCB-1242	ND	0.013	0.12	ug/L	1	05/02/2022	05/04/2022 06:41	EPA 8082A	
PCB-1248	ND	0.011	0.12	ug/L	1	05/02/2022	05/04/2022 06:41	EPA 8082A	
PCB-1254	ND	0.010	0.12	ug/L	1	05/02/2022	05/04/2022 06:41	EPA 8082A	
PCB-1260	ND	0.012	0.12	ug/L	1	05/02/2022	05/04/2022 06:41	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 06:41	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>			74.8 %	29.5-138		05/02/2022	05/04/2022 06:41	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl</i>			85.8 %	30.1-143		05/02/2022	05/04/2022 06:41	EPA 8082A	

Pace Analytical-Green Bay, WI

SM 2540C

Preparation Batch: WET 46107

Total Dissolved Solids	1080	8.7	20.0	mg/L	1	04/29/2022	04/29/2022 16:23	SM 2540C	
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SM 2540D

Preparation Batch: WET 46095

Total Suspended Solids	ND	0.95	2.0	mg/L	1	04/28/2022	04/28/2022 16:24	SM 2540D	
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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-27D-202204

Date Sampled

A221707-11 (Water)

04/25/2022 10:04

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

1,1,1,2-Tetrachloroethane	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,1,1-Trichloroethane	ND	0.30	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.38	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,1,2-Trichloroethane	ND	0.34	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.38	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,1-Dichloroethane	ND	0.30	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,1-Dichloroethene	ND	0.58	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,1-Dichloropropene	ND	0.41	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,2,3-Trichlorobenzene	ND	1.0	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,2,3-Trichloropropane	ND	0.56	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.45	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	2.4	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.31	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,2-Dichlorobenzene	ND	0.33	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,2-Dichloroethane	ND	0.29	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,2-Dichloropropane	ND	0.45	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,3-Dichlorobenzene	ND	0.35	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,3-Dichloropropane	ND	0.30	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
1,4-Dichlorobenzene	ND	0.89	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
2,2-Dichloropropane	ND	4.2	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
2-Butanone (MEK)	ND	6.5	25.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
2-Chlorotoluene	ND	0.89	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
2-Hexanone	ND	6.3	25.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
4-Chlorotoluene	ND	0.89	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	6.0	25.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Acetone	ND	8.6	25.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Benzene	ND	0.30	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Bromobenzene	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Bromodichloromethane	ND	0.42	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Bromoform	ND	3.8	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Bromomethane	ND	1.2	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Carbon disulfide	ND	1.1	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Carbon tetrachloride	ND	0.37	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Chlorobenzene	ND	0.86	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Chloroethane	ND	1.4	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Chloroform	ND	1.2	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Chloromethane	ND	1.6	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
cis-1,2-Dichloroethene	ND	0.47	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
cis-1,3-Dichloropropene	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Dibromochloromethane	ND	2.6	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Dibromomethane	ND	0.99	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-27D-202204
A221707-11 (Water)

Date Sampled
04/25/2022 10:04

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

Dichlorodifluoromethane	ND	0.46	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Diisopropyl ether	ND	1.1	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Ethylbenzene	ND	0.33	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Hexachloro-1,3-butadiene	ND	2.7	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Isopropylbenzene (Cumene)	ND	1.0	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
m&p-Xylene	ND	0.70	2.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Methylene Chloride	ND	0.32	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Methyl-tert-butyl ether	ND	1.1	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Naphthalene	ND	1.1	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
n-Butylbenzene	ND	0.86	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
n-Hexane	ND	1.5	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
n-Propylbenzene	ND	0.35	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
o-Xylene	ND	0.35	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
p-Isopropyltoluene	ND	1.0	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
sec-Butylbenzene	ND	0.42	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Styrene	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
tert-Butylbenzene	ND	0.59	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Tetrachloroethene	0.85	0.41	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	J
Tetrahydrofuran	ND	2.4	25.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Toluene	ND	0.29	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
trans-1,2-Dichloroethene	ND	0.53	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
trans-1,3-Dichloropropene	ND	3.5	5.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Trichloroethene	1.5	0.32	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Trichlorofluoromethane	ND	0.42	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	
Xylene (Total)	ND	1.0	3.0	ug/L	1	04/29/2022	04/29/2022 14:27	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

DUP-01-202204
A221707-12 (Water)

Date Sampled
04/25/2022 00:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

1,1,1,2-Tetrachloroethane	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,1,1-Trichloroethane	ND	0.30	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.38	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,1,2-Trichloroethane	ND	0.34	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.38	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,1-Dichloroethane	ND	0.30	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,1-Dichloroethene	ND	0.58	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,1-Dichloropropene	ND	0.41	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,2,3-Trichlorobenzene	ND	1.0	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,2,3-Trichloropropane	ND	0.56	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.45	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	2.4	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.31	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,2-Dichlorobenzene	ND	0.33	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,2-Dichloroethane	ND	0.29	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,2-Dichloropropane	ND	0.45	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,3-Dichlorobenzene	ND	0.35	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,3-Dichloropropane	ND	0.30	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
1,4-Dichlorobenzene	ND	0.89	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
2,2-Dichloropropane	ND	4.2	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
2-Butanone (MEK)	ND	6.5	25.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
2-Chlorotoluene	ND	0.89	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
2-Hexanone	ND	6.3	25.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
4-Chlorotoluene	ND	0.89	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	6.0	25.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Acetone	ND	8.6	25.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Benzene	ND	0.30	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Bromobenzene	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Bromodichloromethane	ND	0.42	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Bromoform	ND	3.8	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Bromomethane	ND	1.2	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Carbon disulfide	ND	1.1	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Carbon tetrachloride	ND	0.37	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Chlorobenzene	ND	0.86	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Chloroethane	ND	1.4	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Chloroform	ND	1.2	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Chloromethane	ND	1.6	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
cis-1,2-Dichloroethene	ND	0.47	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
cis-1,3-Dichloropropene	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Dibromochloromethane	ND	2.6	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Dibromomethane	ND	0.99	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

DUP-01-202204

Date Sampled

A221707-12 (Water)

04/25/2022 00:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

Dichlorodifluoromethane	ND	0.46	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Diisopropyl ether	ND	1.1	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Ethylbenzene	ND	0.33	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Hexachloro-1,3-butadiene	ND	2.7	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Isopropylbenzene (Cumene)	ND	1.0	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
m&p-Xylene	ND	0.70	2.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Methylene Chloride	ND	0.32	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Methyl-tert-butyl ether	ND	1.1	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Naphthalene	ND	1.1	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
n-Butylbenzene	ND	0.86	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
n-Hexane	ND	1.5	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
n-Propylbenzene	ND	0.35	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
o-Xylene	ND	0.35	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
p-Isopropyltoluene	ND	1.0	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
sec-Butylbenzene	ND	0.42	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Styrene	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
tert-Butylbenzene	ND	0.59	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Tetrachloroethene	ND	0.41	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Tetrahydrofuran	ND	2.4	25.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Toluene	ND	0.29	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
trans-1,2-Dichloroethene	ND	0.53	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
trans-1,3-Dichloropropene	ND	3.5	5.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Trichloroethene	ND	0.32	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Trichlorofluoromethane	ND	0.42	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	
Xylene (Total)	ND	1.0	3.0	ug/L	1	04/29/2022	04/29/2022 15:43	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

DUP-02-202204
A221707-13 (Water)

Date Sampled
04/26/2022 00:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A205143

PCB-1016	ND	0.0072	0.12	ug/L	1	05/02/2022	05/04/2022 07:07	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 07:07	EPA 8082A	
PCB-1232	ND	0.0042	0.12	ug/L	1	05/02/2022	05/04/2022 07:07	EPA 8082A	
PCB-1242	ND	0.013	0.12	ug/L	1	05/02/2022	05/04/2022 07:07	EPA 8082A	
PCB-1248	ND	0.011	0.12	ug/L	1	05/02/2022	05/04/2022 07:07	EPA 8082A	
PCB-1254	ND	0.010	0.12	ug/L	1	05/02/2022	05/04/2022 07:07	EPA 8082A	
PCB-1260	ND	0.012	0.12	ug/L	1	05/02/2022	05/04/2022 07:07	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 07:07	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>			84.8 %	29.5-138		05/02/2022	05/04/2022 07:07	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl</i>			87.6 %	30.1-143		05/02/2022	05/04/2022 07:07	EPA 8082A	

Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

1,1,1,2-Tetrachloroethane	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,1,1-Trichloroethane	ND	3.0	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	3.8	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,1,2-Trichloroethane	ND	3.4	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	3.8	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,1-Dichloroethane	ND	3.0	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,1-Dichloroethene	ND	5.8	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,1-Dichloropropene	ND	4.1	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,2,3-Trichlorobenzene	ND	10.2	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,2,3-Trichloropropane	ND	5.6	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,2,4-Trichlorobenzene	ND	9.5	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,2,4-Trimethylbenzene	ND	4.5	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	23.7	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,2-Dibromoethane (EDB)	ND	3.1	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,2-Dichlorobenzene	ND	3.3	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,2-Dichloroethane	ND	2.9	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,2-Dichloropropane	ND	4.5	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,3,5-Trimethylbenzene	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,3-Dichlorobenzene	ND	3.5	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,3-Dichloropropane	ND	3.0	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
1,4-Dichlorobenzene	ND	8.9	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
2,2-Dichloropropane	ND	41.8	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
2-Butanone (MEK)	ND	65.2	250	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
2-Chlorotoluene	ND	8.9	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
2-Hexanone	ND	62.8	250	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
4-Chlorotoluene	ND	8.9	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	59.5	250	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Acetone	ND	86.4	250	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Benzene	ND	3.0	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Bromobenzene	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

DUP-02-202204
A221707-13 (Water)

Date Sampled
04/26/2022 00:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

Bromochloromethane	ND	3.6	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Bromodichloromethane	ND	4.2	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Bromoform	ND	38.0	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Bromomethane	ND	11.9	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Carbon disulfide	ND	11.0	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Carbon tetrachloride	ND	3.7	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Chlorobenzene	ND	8.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Chloroethane	ND	13.8	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Chloroform	ND	11.8	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Chloromethane	ND	16.4	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
cis-1,2-Dichloroethene	31.2	4.7	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Dibromochloromethane	ND	26.4	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Dibromomethane	ND	9.9	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Dichlorodifluoromethane	ND	4.6	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Diisopropyl ether	ND	11.0	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Ethylbenzene	ND	3.3	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Hexachloro-1,3-butadiene	ND	27.4	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Isopropylbenzene (Cumene)	ND	10.0	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
m&p-Xylene	ND	7.0	20.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Methylene Chloride	4.4	3.2	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	J
Methyl-tert-butyl ether	ND	11.3	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Naphthalene	ND	11.3	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
n-Butylbenzene	ND	8.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
n-Hexane	ND	14.6	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
n-Propylbenzene	ND	3.5	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
o-Xylene	ND	3.5	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
p-Isopropyltoluene	ND	10.4	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
sec-Butylbenzene	ND	4.2	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Styrene	ND	3.6	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
tert-Butylbenzene	ND	5.9	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Tetrachloroethene	624	4.1	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Tetrahydrofuran	ND	24.2	250	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Toluene	ND	2.9	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
trans-1,2-Dichloroethene	ND	5.3	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
trans-1,3-Dichloropropene	ND	34.6	50.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Trichloroethene	34.0	3.2	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Trichlorofluoromethane	ND	4.2	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Vinyl chloride	ND	1.7	10.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	
Xylene (Total)	ND	10.5	30.0	ug/L	10	04/29/2022	04/29/2022 17:19	EPA 8260	

SM 2540C

Preparation Batch: WET 46107

Total Dissolved Solids	1000	8.7	20.0	mg/L	1	04/29/2022	04/29/2022 16:23	SM 2540C	
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SM 2540D

Preparation Batch: WET 46095

TRC Environmental Corporation, Inc.
 708 Heartland Trail, Ste 3000
 Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
 Project Number: 470140
 Project Manager: Andrew Stehn

DUP-02-202204

Date Sampled

A221707-13 (Water)

04/26/2022 00:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

SM 2540D

Preparation Batch: WET 46095

Total Suspended Solids	5.4	0.95	2.0	mg/L	1	04/28/2022	04/28/2022 16:24	SM 2540D	
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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

FB-01-202204
A221707-14 (Water)

Date Sampled
04/26/2022 16:30

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A205143

PCB-1016	ND	0.0071	0.12	ug/L	1	05/02/2022	05/04/2022 07:33	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 07:33	EPA 8082A	
PCB-1232	ND	0.0042	0.12	ug/L	1	05/02/2022	05/04/2022 07:33	EPA 8082A	
PCB-1242	ND	0.013	0.12	ug/L	1	05/02/2022	05/04/2022 07:33	EPA 8082A	
PCB-1248	ND	0.011	0.12	ug/L	1	05/02/2022	05/04/2022 07:33	EPA 8082A	
PCB-1254	ND	0.0099	0.12	ug/L	1	05/02/2022	05/04/2022 07:33	EPA 8082A	
PCB-1260	ND	0.012	0.12	ug/L	1	05/02/2022	05/04/2022 07:33	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 07:33	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>			75.2 %	29.5-138		05/02/2022	05/04/2022 07:33	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl</i>			81.7 %	30.1-143		05/02/2022	05/04/2022 07:33	EPA 8082A	

Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

1,1,1,2-Tetrachloroethane	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,1,1-Trichloroethane	ND	0.30	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.38	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,1,2-Trichloroethane	ND	0.34	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.38	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,1-Dichloroethane	ND	0.30	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,1-Dichloroethene	ND	0.58	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,1-Dichloropropene	ND	0.41	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,2,3-Trichlorobenzene	ND	1.0	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,2,3-Trichloropropane	ND	0.56	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.45	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	2.4	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.31	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,2-Dichlorobenzene	ND	0.33	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,2-Dichloroethane	ND	0.29	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,2-Dichloropropane	ND	0.45	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,3-Dichlorobenzene	ND	0.35	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,3-Dichloropropane	ND	0.30	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
1,4-Dichlorobenzene	ND	0.89	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
2,2-Dichloropropane	ND	4.2	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
2-Butanone (MEK)	ND	6.5	25.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
2-Chlorotoluene	ND	0.89	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
2-Hexanone	ND	6.3	25.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
4-Chlorotoluene	ND	0.89	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	6.0	25.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Acetone	ND	8.6	25.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Benzene	ND	0.30	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Bromobenzene	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

FB-01-202204

Date Sampled

A221707-14 (Water)

04/26/2022 16:30

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61097

Bromochloromethane	ND	0.36	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Bromodichloromethane	ND	0.42	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Bromoform	ND	3.8	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Bromomethane	ND	1.2	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Carbon disulfide	ND	1.1	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Carbon tetrachloride	ND	0.37	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Chlorobenzene	ND	0.86	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Chloroethane	ND	1.4	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Chloroform	ND	1.2	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Chloromethane	ND	1.6	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
cis-1,2-Dichloroethene	ND	0.47	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
cis-1,3-Dichloropropene	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Dibromochloromethane	ND	2.6	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Dibromomethane	ND	0.99	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Dichlorodifluoromethane	ND	0.46	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Diisopropyl ether	ND	1.1	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Ethylbenzene	ND	0.33	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Hexachloro-1,3-butadiene	ND	2.7	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Isopropylbenzene (Cumene)	ND	1.0	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
m&p-Xylene	ND	0.70	2.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Methylene Chloride	ND	0.32	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Methyl-tert-butyl ether	ND	1.1	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Naphthalene	ND	1.1	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
n-Butylbenzene	ND	0.86	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
n-Hexane	ND	1.5	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
n-Propylbenzene	ND	0.35	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
o-Xylene	ND	0.35	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
p-Isopropyltoluene	ND	1.0	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
sec-Butylbenzene	ND	0.42	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Styrene	ND	0.36	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
tert-Butylbenzene	ND	0.59	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Tetrachloroethene	ND	0.41	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Tetrahydrofuran	ND	2.4	25.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Toluene	ND	0.29	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
trans-1,2-Dichloroethene	ND	0.53	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
trans-1,3-Dichloropropene	ND	3.5	5.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Trichloroethene	ND	0.32	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Trichlorofluoromethane	ND	0.42	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	
Xylene (Total)	ND	1.0	3.0	ug/L	1	04/29/2022	04/29/2022 13:29	EPA 8260	

SM 2540C

Preparation Batch: WET 46107

Total Dissolved Solids	14.0	8.7	20.0	mg/L	1	04/29/2022	04/29/2022 16:24	SM 2540C	J
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SM 2540D

Preparation Batch: WET 46095

TRC Environmental Corporation, Inc.
 708 Heartland Trail, Ste 3000
 Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
 Project Number: 470140
 Project Manager: Andrew Stehn

FB-01-202204

Date Sampled

A221707-14 (Water)

04/26/2022 16:30

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

SM 2540D

Preparation Batch: WET 46095

Total Suspended Solids	1.0	0.95	2.0	mg/L	1	04/28/2022	04/28/2022 16:24	SM 2540D	J
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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
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
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Batch A205143 - EPA 3511

Blank (A205143-BLK1)

Prepared: 05/02/2022 Analyzed: 05/04/2022 01:22

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: Tetrachloro-meta-xylene	0.583		ug/L	0.7500		77.7	29.5-138			
Surrogate: Decachlorobiphenyl	0.669		ug/L	0.7500		89.2	30.1-143			

LCS (A205143-BS1)

Prepared: 05/02/2022 Analyzed: 05/04/2022 00:56

PCB-1254	9.10	0.12	ug/L	12.44		73.2	70-130			
Surrogate: Tetrachloro-meta-xylene	0.522		ug/L	0.7463		70.0	29.5-138			
Surrogate: Decachlorobiphenyl	0.626		ug/L	0.7463		83.9	30.1-143			

Matrix Spike (A205143-MS1)

Source: A221723-04

Prepared: 05/02/2022 Analyzed: 05/04/2022 09:45

PCB-1254	9.13	0.13	ug/L	12.50	ND	73.1	60-140			
Surrogate: Tetrachloro-meta-xylene	0.593		ug/L	0.7500		79.1	29.5-138			
Surrogate: Decachlorobiphenyl	0.604		ug/L	0.7500		80.6	30.1-143			

Matrix Spike Dup (A205143-MSD1)

Source: A221723-04

Prepared: 05/02/2022 Analyzed: 05/04/2022 10:12

PCB-1254	9.35	0.12	ug/L	12.47	ND	75.0	60-140	2.31	20	
Surrogate: Tetrachloro-meta-xylene	0.597		ug/L	0.7481		79.8	29.5-138			
Surrogate: Decachlorobiphenyl	0.629		ug/L	0.7481		84.1	30.1-143			

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

Notes and Definitions

- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
- H5 Reanalysis conducted in excess of EPA method holding time. Results confirm original analysis performed in hold time.
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference

Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.



CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

A221707

ALL SHADED AREAS are for LAB USE ONLY

Company: **TRC Env. - Madison**

Billing Information:

Address: **708 Heartland Tr. Ste 3000**

Report To: **Andy Stehn**

Copy To: **W. Brazyn**

Email To: **astehn@trccompanies.com**

Customer Project Name/Number: **Madison KIPP Corp / 470140**

Site Collection Info/Address: **Madison KIPP**

Phone: **608-234-7374**

State: **WI** County/City: **Madison** Time Zone Collected: **[] PT [] MT [] CT [] ET**

Site/Facility ID #: **180318**

Compliance Monitoring? **[] Yes [] No**

Collected By (print): **Wesley Brazyn**

Purchase Order #: **180318** Quote #:

Collected By (signature): **Wesley Brazyn**

Turnaround Date Required: Immediately Packed on Ice: **[] Yes [] No**

Sample Disposal: **[] Dispose as appropriate [] Return [] Archive [] Hold**

Rush: **[] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day** Field Filtered (if applicable): **[] Yes [] No**

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns	V6L5	RUB5	TDS	TSS
			Date	Time	Date	Time						
MW-3D-202204	GW	G	4/26/22	1404			7	X	X	X	X	
MW-3D2-202204	GW	G	4/26/22	1401			3	X				
MW-4S-202204	GW	G	4/25/22	1705			4		X	X	X	
MW-4D-202204	GW	G	4/25/22	1559			4		X	X	X	
MW-4D2-202204	GW	G	4/25/22	1535			3	X				
MW-6S-202204	GW	G	4/25/22	1335			4		X	X	X	
MW-6D-202204	GW	G	4/25/22	1334			3	X				
MW-9D2-202204	GW	G	4/26/22	1111			3	X				
MW-17-202204	GW	G	4/25/22	1208			3	X				
MW-11S-202204	GW	G	4/26/22	1155			4		X	X	X	

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	<input checked="" type="checkbox"/>	N	NA
Custody Signatures Present	<input checked="" type="checkbox"/>	N	NA
Collector Signature Present	<input checked="" type="checkbox"/>	N	NA
Bottles Intact	<input checked="" type="checkbox"/>	N	NA
Correct Bottles	<input checked="" type="checkbox"/>	N	NA
Sufficient Volume	<input checked="" type="checkbox"/>	N	NA
Samples Received on Ice	<input checked="" type="checkbox"/>	N	NA
VOA - Headspace Acceptable	<input checked="" type="checkbox"/>	N	NA
USDA Regulated Soils	<input checked="" type="checkbox"/>	N	NA
Samples in Holding Time	<input checked="" type="checkbox"/>	N	NA
Residual Chlorine Present	<input checked="" type="checkbox"/>	N	NA
Cl Strips:	<input checked="" type="checkbox"/>	N	NA
Sample pH Acceptable	<input checked="" type="checkbox"/>	N	NA
pH Strips:	<input checked="" type="checkbox"/>	N	NA
Sulfide Present	<input checked="" type="checkbox"/>	N	NA
Lead Acetate Strips:	<input checked="" type="checkbox"/>	N	NA

LAB USE ONLY: Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Packing Material Used:

Lab Tracking #: **2660216**

Lab Sample Temperature Info: Temp Blank Received: N NA Therm ID#: **160142274** Cooler 1 Temp Upon Receipt: **3.1** oC Cooler 1 Therm Corr. Factor: **1** oC Cooler 1 Corrected Temp: **1** oC

Relinquished by/Company: (Signature)

Date/Time: **4/26/2022/1700**

Received by/Company: (Signature)

Date/Time: **04-26-22 1700**

MTJL LAB USE ONLY

Comments: **Therm exp 06/15/22**

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Table #: Acctnum: Template: Prelogin:

Trip Blank Received: Y N NA HCL MeOH TSP Other

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

PM: PB:

Non Conformance(s): YES / NO

Page: **1** of: **2**



CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

A221707

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC Env. Madison

Billing Information:

Address: 708 Highland Tr. Ste 3000

Report To: Andy Stehn

Email To: astehn@trccompanies.com

Copy To: Wesley Bragg

Site Collection Info/Address: Madison Kipp

Customer Project Name/Number: Madison Kipp Corp / 470140

State: WI County/City: Madison Time Zone Collected: [] PT [] MT [X] CT [] ET

Phone: 608-234-7574

Site/Facility ID #:

Compliance Monitoring? Yes No

Collected By (print): Wesley Bragg

Purchase Order #: 180318

DW PWS ID #:
 DW Location Code:

Collected By (signature): Wesley Bragg

Turnaround Date Required:

Immediately Packed on Ice: Yes No

Sample Disposal: Dispose as appropriate Return Archive Hold:

Rush: Same Day Next Day 2 Day 3 Day 4 Day 5 Day (Expedite Charges Apply)

Field Filtered (if applicable): Yes No

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns	VOCs	PCBs	TDS	TSS
			Date	Time	Date	Time						
MW-27D-202204	GW	G	4/25/22	1604				3	X			
DUP-01-202204	GW	G	4/25/22	-				3	X			
DUP-02-202204	GW	G	4/26/22	-				7	X	X	X	X
FB-01-202204	W	G	4/26/22	1630				7	X	X	X	X

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	<input checked="" type="checkbox"/>	N	NA
Custody Signatures Present	<input checked="" type="checkbox"/>	N	NA
Collector Signature Present	<input checked="" type="checkbox"/>	N	NA
Bottles Intact	<input checked="" type="checkbox"/>	N	NA
Correct Bottles	<input checked="" type="checkbox"/>	N	NA
Sufficient Volume	<input checked="" type="checkbox"/>	N	NA
Samples Received on Ice	<input checked="" type="checkbox"/>	N	NA
VOA - Headspace Acceptable	<input checked="" type="checkbox"/>	N	NA
USDA Regulated Soils	<input checked="" type="checkbox"/>	N	NA
Samples in Holding Time	<input checked="" type="checkbox"/>	N	NA
Residual Chlorine Present	<input checked="" type="checkbox"/>	Y	N
Cl Strips:	<input checked="" type="checkbox"/>		
Sample pH Acceptable	<input checked="" type="checkbox"/>	Y	N
pH Strips:	<input checked="" type="checkbox"/>		
Sulfide Present	<input checked="" type="checkbox"/>	Y	N
Lead Acetate Strips:	<input checked="" type="checkbox"/>		

LAB USE ONLY: Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Packing Material Used:

Lab Tracking #: 2660217

Temp Blank Received: N NA

Radchem sample(s) screened (<500 cpm): Y N NA

Samples received via: FEDEX UPS Client Courier Pace Courier

Therm ID#: 160142214

Relinquished by/Company: (Signature) [Signature]

Date/Time: 4/26/2022 / 1700

Received by/Company: (Signature) Jessica [Signature]

Date/Time: 04/26/22 1700

MTJL LAB USE ONLY

Cooler 1 Temp Upon Receipt: 3.7 oC

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Table #:

Cooler 1 Therm Corr. Factor: 1 oC

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Acctnum:

Cooler 1 Corrected Temp: 1 oC

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Template:

Comments: Therm exp 16/15/22

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Prelogin:

Trip Blank Received: Y N NA

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

PM:

HCL MeOH TSP Other

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

PB:

Non Conformance(s): YES / NO Page: 7 of: 2

May 06, 2022

Jessica Esser
Pace Analytical Madison
2525 Advance Road
Madison, WI 53718

RE: Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

Dear Jessica Esser:

Enclosed are the analytical results for sample(s) received by the laboratory on April 28, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: A221707 MADISON KIPP CORPORATI

Pace Project No.: 40244046

Pace Analytical Services Green Bay

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40244046001	MW-3D-202204	Water	04/26/22 14:44	04/28/22 08:20
40244046002	MW-3D2-202204	Water	04/26/22 14:01	04/28/22 08:20
40244046003	MW-4S-202204	Water	04/25/22 17:05	04/28/22 08:20
40244046004	MW-4D-202204	Water	04/25/22 15:59	04/28/22 08:20
40244046005	MW-4D2-202204	Water	04/25/22 15:35	04/28/22 08:20
40244046006	MW-6S-202204	Water	04/25/22 13:35	04/28/22 08:20
40244046007	MW-6D-202204	Water	04/25/22 13:34	04/28/22 08:20
40244046008	MW-9D2-202204	Water	04/26/22 11:11	04/28/22 08:20
40244046009	MW-17-202204	Water	04/25/22 12:08	04/28/22 08:20
40244046010	MW-11S-202204	Water	04/26/22 11:55	04/28/22 08:20
40244046011	MW-27D-202204	Water	04/26/22 10:04	04/28/22 08:20
40244046012	DUP-01-202204	Water	04/25/22 00:00	04/28/22 08:20
40244046013	DUP-02-202204	Water	04/26/22 00:00	04/28/22 08:20
40244046014	FB-01-202204	Water	04/26/22 16:30	04/28/22 08:20

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SAMPLE ANALYTE COUNT

Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40244046001	MW-3D-202204	EPA 8260	JAV	73
		SM 2540C	SRK	1
		SM 2540D	SRK	1
40244046002	MW-3D2-202204	EPA 8260	JAV	73
40244046003	MW-4S-202204	SM 2540C	SRK	1
		SM 2540D	SRK	1
40244046004	MW-4D-202204	SM 2540C	SRK	1
		SM 2540D	SRK	1
40244046005	MW-4D2-202204	EPA 8260	JAV	73
40244046006	MW-6S-202204	SM 2540C	SRK	1
		SM 2540D	SRK	1
40244046007	MW-6D-202204	EPA 8260	JAV	73
40244046008	MW-9D2-202204	EPA 8260	JAV	73
40244046009	MW-17-202204	EPA 8260	JAV	73
40244046010	MW-11S-202204	SM 2540C	SRK	1
		SM 2540D	SRK	1
40244046011	MW-27D-202204	EPA 8260	JAV	73
40244046012	DUP-01-202204	EPA 8260	JAV	73
40244046013	DUP-02-202204	EPA 8260	JAV	73
		SM 2540C	SRK	1
		SM 2540D	SRK	1
40244046014	FB-01-202204	EPA 8260	JAV	73
		SM 2540C	SRK	1
		SM 2540D	SRK	1

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI

Pace Project No.: 40244046

Sample: MW-3D-202204 Lab ID: 40244046001 Collected: 04/26/22 14:44 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<3.6	ug/L	10.0	3.6	10		04/29/22 17:38	630-20-6	
1,1,1-Trichloroethane	<3.0	ug/L	10.0	3.0	10		04/29/22 17:38	71-55-6	
1,1,2,2-Tetrachloroethane	<3.8	ug/L	10.0	3.8	10		04/29/22 17:38	79-34-5	
1,1,2-Trichloroethane	<3.4	ug/L	50.0	3.4	10		04/29/22 17:38	79-00-5	
1,1,2-Trichlorotrifluoroethane	<3.8	ug/L	50.0	3.8	10		04/29/22 17:38	76-13-1	
1,1-Dichloroethane	<3.0	ug/L	10.0	3.0	10		04/29/22 17:38	75-34-3	
1,1-Dichloroethene	<5.8	ug/L	10.0	5.8	10		04/29/22 17:38	75-35-4	
1,1-Dichloropropene	<4.1	ug/L	10.0	4.1	10		04/29/22 17:38	563-58-6	
1,2,3-Trichlorobenzene	<10.2	ug/L	50.0	10.2	10		04/29/22 17:38	87-61-6	
1,2,3-Trichloropropane	<5.6	ug/L	50.0	5.6	10		04/29/22 17:38	96-18-4	
1,2,4-Trichlorobenzene	<9.5	ug/L	50.0	9.5	10		04/29/22 17:38	120-82-1	
1,2,4-Trimethylbenzene	<4.5	ug/L	10.0	4.5	10		04/29/22 17:38	95-63-6	
1,2-Dibromo-3-chloropropane	<23.7	ug/L	50.0	23.7	10		04/29/22 17:38	96-12-8	
1,2-Dibromoethane (EDB)	<3.1	ug/L	10.0	3.1	10		04/29/22 17:38	106-93-4	
1,2-Dichlorobenzene	<3.3	ug/L	10.0	3.3	10		04/29/22 17:38	95-50-1	
1,2-Dichloroethane	<2.9	ug/L	10.0	2.9	10		04/29/22 17:38	107-06-2	
1,2-Dichloropropane	<4.5	ug/L	10.0	4.5	10		04/29/22 17:38	78-87-5	
1,3,5-Trimethylbenzene	<3.6	ug/L	10.0	3.6	10		04/29/22 17:38	108-67-8	
1,3-Dichlorobenzene	<3.5	ug/L	10.0	3.5	10		04/29/22 17:38	541-73-1	
1,3-Dichloropropane	<3.0	ug/L	10.0	3.0	10		04/29/22 17:38	142-28-9	
1,4-Dichlorobenzene	<8.9	ug/L	10.0	8.9	10		04/29/22 17:38	106-46-7	
2,2-Dichloropropane	<41.8	ug/L	50.0	41.8	10		04/29/22 17:38	594-20-7	
2-Butanone (MEK)	<65.2	ug/L	250	65.2	10		04/29/22 17:38	78-93-3	
2-Chlorotoluene	<8.9	ug/L	50.0	8.9	10		04/29/22 17:38	95-49-8	
2-Hexanone	<62.8	ug/L	250	62.8	10		04/29/22 17:38	591-78-6	
4-Chlorotoluene	<8.9	ug/L	50.0	8.9	10		04/29/22 17:38	106-43-4	
4-Methyl-2-pentanone (MIBK)	<59.5	ug/L	250	59.5	10		04/29/22 17:38	108-10-1	
Acetone	<86.4	ug/L	250	86.4	10		04/29/22 17:38	67-64-1	
Benzene	<3.0	ug/L	10.0	3.0	10		04/29/22 17:38	71-43-2	
Bromobenzene	<3.6	ug/L	10.0	3.6	10		04/29/22 17:38	108-86-1	
Bromochloromethane	<3.6	ug/L	50.0	3.6	10		04/29/22 17:38	74-97-5	
Bromodichloromethane	<4.2	ug/L	10.0	4.2	10		04/29/22 17:38	75-27-4	
Bromoform	<38.0	ug/L	50.0	38.0	10		04/29/22 17:38	75-25-2	
Bromomethane	<11.9	ug/L	50.0	11.9	10		04/29/22 17:38	74-83-9	
Carbon disulfide	<11.0	ug/L	50.0	11.0	10		04/29/22 17:38	75-15-0	
Carbon tetrachloride	<3.7	ug/L	10.0	3.7	10		04/29/22 17:38	56-23-5	
Chlorobenzene	<8.6	ug/L	10.0	8.6	10		04/29/22 17:38	108-90-7	
Chloroethane	<13.8	ug/L	50.0	13.8	10		04/29/22 17:38	75-00-3	
Chloroform	<11.8	ug/L	50.0	11.8	10		04/29/22 17:38	67-66-3	
Chloromethane	<16.4	ug/L	50.0	16.4	10		04/29/22 17:38	74-87-3	
Dibromochloromethane	<26.4	ug/L	50.0	26.4	10		04/29/22 17:38	124-48-1	
Dibromomethane	<9.9	ug/L	50.0	9.9	10		04/29/22 17:38	74-95-3	
Dichlorodifluoromethane	<4.6	ug/L	50.0	4.6	10		04/29/22 17:38	75-71-8	
Diisopropyl ether	<11.0	ug/L	50.0	11.0	10		04/29/22 17:38	108-20-3	
Ethylbenzene	<3.3	ug/L	10.0	3.3	10		04/29/22 17:38	100-41-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

Sample: MW-3D-202204 **Lab ID: 40244046001** Collected: 04/26/22 14:44 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Hexachloro-1,3-butadiene	<27.4	ug/L	50.0	27.4	10		04/29/22 17:38	87-68-3	
Isopropylbenzene (Cumene)	<10.0	ug/L	50.0	10.0	10		04/29/22 17:38	98-82-8	
Methyl-tert-butyl ether	<11.3	ug/L	50.0	11.3	10		04/29/22 17:38	1634-04-4	
Methylene Chloride	<3.2	ug/L	50.0	3.2	10		04/29/22 17:38	75-09-2	
Naphthalene	<11.3	ug/L	50.0	11.3	10		04/29/22 17:38	91-20-3	
Styrene	<3.6	ug/L	10.0	3.6	10		04/29/22 17:38	100-42-5	
Tetrachloroethene	625	ug/L	10.0	4.1	10		04/29/22 17:38	127-18-4	
Tetrahydrofuran	<24.2	ug/L	250	24.2	10		04/29/22 17:38	109-99-9	
Toluene	<2.9	ug/L	10.0	2.9	10		04/29/22 17:38	108-88-3	
Trichloroethene	37.9	ug/L	10.0	3.2	10		04/29/22 17:38	79-01-6	
Trichlorofluoromethane	<4.2	ug/L	10.0	4.2	10		04/29/22 17:38	75-69-4	
Vinyl chloride	<1.7	ug/L	10.0	1.7	10		04/29/22 17:38	75-01-4	
Xylene (Total)	<10.5	ug/L	30.0	10.5	10		04/29/22 17:38	1330-20-7	
cis-1,2-Dichloroethene	36.7	ug/L	10.0	4.7	10		04/29/22 17:38	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	10.0	3.6	10		04/29/22 17:38	10061-01-5	
m&p-Xylene	<7.0	ug/L	20.0	7.0	10		04/29/22 17:38	179601-23-1	
n-Butylbenzene	<8.6	ug/L	10.0	8.6	10		04/29/22 17:38	104-51-8	
n-Hexane	<14.6	ug/L	50.0	14.6	10		04/29/22 17:38	110-54-3	
n-Propylbenzene	<3.5	ug/L	10.0	3.5	10		04/29/22 17:38	103-65-1	
o-Xylene	<3.5	ug/L	10.0	3.5	10		04/29/22 17:38	95-47-6	
p-Isopropyltoluene	<10.4	ug/L	50.0	10.4	10		04/29/22 17:38	99-87-6	
sec-Butylbenzene	<4.2	ug/L	10.0	4.2	10		04/29/22 17:38	135-98-8	
tert-Butylbenzene	<5.9	ug/L	10.0	5.9	10		04/29/22 17:38	98-06-6	
trans-1,2-Dichloroethene	<5.3	ug/L	10.0	5.3	10		04/29/22 17:38	156-60-5	
trans-1,3-Dichloropropene	<34.6	ug/L	50.0	34.6	10		04/29/22 17:38	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		10		04/29/22 17:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		10		04/29/22 17:38	2199-69-1	
Toluene-d8 (S)	103	%	70-130		10		04/29/22 17:38	2037-26-5	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Green Bay									
Total Dissolved Solids	1010	mg/L	20.0	8.7	1		04/29/22 16:22		
2540D Total Suspended Solids									
Analytical Method: SM 2540D									
Pace Analytical Services - Green Bay									
Total Suspended Solids	5.0	mg/L	2.0	0.95	1		04/28/22 16:24		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI

Pace Project No.: 40244046

Sample: MW-3D2-202204 Lab ID: 40244046002 Collected: 04/26/22 14:01 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<1.8	ug/L	5.0	1.8	5		04/29/22 18:36	630-20-6	
1,1,1-Trichloroethane	<1.5	ug/L	5.0	1.5	5		04/29/22 18:36	71-55-6	
1,1,2,2-Tetrachloroethane	<1.9	ug/L	5.0	1.9	5		04/29/22 18:36	79-34-5	
1,1,2-Trichloroethane	<1.7	ug/L	25.0	1.7	5		04/29/22 18:36	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.9	ug/L	25.0	1.9	5		04/29/22 18:36	76-13-1	
1,1-Dichloroethane	<1.5	ug/L	5.0	1.5	5		04/29/22 18:36	75-34-3	
1,1-Dichloroethene	<2.9	ug/L	5.0	2.9	5		04/29/22 18:36	75-35-4	
1,1-Dichloropropene	<2.1	ug/L	5.0	2.1	5		04/29/22 18:36	563-58-6	
1,2,3-Trichlorobenzene	<5.1	ug/L	25.0	5.1	5		04/29/22 18:36	87-61-6	
1,2,3-Trichloropropane	<2.8	ug/L	25.0	2.8	5		04/29/22 18:36	96-18-4	
1,2,4-Trichlorobenzene	<4.8	ug/L	25.0	4.8	5		04/29/22 18:36	120-82-1	
1,2,4-Trimethylbenzene	<2.2	ug/L	5.0	2.2	5		04/29/22 18:36	95-63-6	
1,2-Dibromo-3-chloropropane	<11.8	ug/L	25.0	11.8	5		04/29/22 18:36	96-12-8	
1,2-Dibromoethane (EDB)	<1.5	ug/L	5.0	1.5	5		04/29/22 18:36	106-93-4	
1,2-Dichlorobenzene	<1.6	ug/L	5.0	1.6	5		04/29/22 18:36	95-50-1	
1,2-Dichloroethane	<1.5	ug/L	5.0	1.5	5		04/29/22 18:36	107-06-2	
1,2-Dichloropropane	<2.2	ug/L	5.0	2.2	5		04/29/22 18:36	78-87-5	
1,3,5-Trimethylbenzene	<1.8	ug/L	5.0	1.8	5		04/29/22 18:36	108-67-8	
1,3-Dichlorobenzene	<1.8	ug/L	5.0	1.8	5		04/29/22 18:36	541-73-1	
1,3-Dichloropropane	<1.5	ug/L	5.0	1.5	5		04/29/22 18:36	142-28-9	
1,4-Dichlorobenzene	<4.5	ug/L	5.0	4.5	5		04/29/22 18:36	106-46-7	
2,2-Dichloropropane	<20.9	ug/L	25.0	20.9	5		04/29/22 18:36	594-20-7	
2-Butanone (MEK)	<32.6	ug/L	125	32.6	5		04/29/22 18:36	78-93-3	
2-Chlorotoluene	<4.4	ug/L	25.0	4.4	5		04/29/22 18:36	95-49-8	
2-Hexanone	<31.4	ug/L	125	31.4	5		04/29/22 18:36	591-78-6	
4-Chlorotoluene	<4.5	ug/L	25.0	4.5	5		04/29/22 18:36	106-43-4	
4-Methyl-2-pentanone (MIBK)	<29.8	ug/L	125	29.8	5		04/29/22 18:36	108-10-1	
Acetone	<43.2	ug/L	125	43.2	5		04/29/22 18:36	67-64-1	
Benzene	<1.5	ug/L	5.0	1.5	5		04/29/22 18:36	71-43-2	
Bromobenzene	<1.8	ug/L	5.0	1.8	5		04/29/22 18:36	108-86-1	
Bromochloromethane	<1.8	ug/L	25.0	1.8	5		04/29/22 18:36	74-97-5	
Bromodichloromethane	<2.1	ug/L	5.0	2.1	5		04/29/22 18:36	75-27-4	
Bromoform	<19.0	ug/L	25.0	19.0	5		04/29/22 18:36	75-25-2	
Bromomethane	<6.0	ug/L	25.0	6.0	5		04/29/22 18:36	74-83-9	
Carbon disulfide	<5.5	ug/L	25.0	5.5	5		04/29/22 18:36	75-15-0	
Carbon tetrachloride	<1.8	ug/L	5.0	1.8	5		04/29/22 18:36	56-23-5	
Chlorobenzene	<4.3	ug/L	5.0	4.3	5		04/29/22 18:36	108-90-7	
Chloroethane	<6.9	ug/L	25.0	6.9	5		04/29/22 18:36	75-00-3	
Chloroform	<5.9	ug/L	25.0	5.9	5		04/29/22 18:36	67-66-3	
Chloromethane	<8.2	ug/L	25.0	8.2	5		04/29/22 18:36	74-87-3	
Dibromochloromethane	<13.2	ug/L	25.0	13.2	5		04/29/22 18:36	124-48-1	
Dibromomethane	<5.0	ug/L	25.0	5.0	5		04/29/22 18:36	74-95-3	
Dichlorodifluoromethane	<2.3	ug/L	25.0	2.3	5		04/29/22 18:36	75-71-8	
Diisopropyl ether	<5.5	ug/L	25.0	5.5	5		04/29/22 18:36	108-20-3	
Ethylbenzene	<1.6	ug/L	5.0	1.6	5		04/29/22 18:36	100-41-4	

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

Sample: MW-3D2-202204 **Lab ID: 40244046002** Collected: 04/26/22 14:01 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Hexachloro-1,3-butadiene	<13.7	ug/L	25.0	13.7	5		04/29/22 18:36	87-68-3	
Isopropylbenzene (Cumene)	<5.0	ug/L	25.0	5.0	5		04/29/22 18:36	98-82-8	
Methyl-tert-butyl ether	<5.6	ug/L	25.0	5.6	5		04/29/22 18:36	1634-04-4	
Methylene Chloride	<1.6	ug/L	25.0	1.6	5		04/29/22 18:36	75-09-2	
Naphthalene	<5.6	ug/L	25.0	5.6	5		04/29/22 18:36	91-20-3	
Styrene	<1.8	ug/L	5.0	1.8	5		04/29/22 18:36	100-42-5	
Tetrachloroethene	299	ug/L	5.0	2.0	5		04/29/22 18:36	127-18-4	
Tetrahydrofuran	<12.1	ug/L	125	12.1	5		04/29/22 18:36	109-99-9	
Toluene	<1.4	ug/L	5.0	1.4	5		04/29/22 18:36	108-88-3	
Trichloroethene	14.0	ug/L	5.0	1.6	5		04/29/22 18:36	79-01-6	
Trichlorofluoromethane	<2.1	ug/L	5.0	2.1	5		04/29/22 18:36	75-69-4	
Vinyl chloride	<0.87	ug/L	5.0	0.87	5		04/29/22 18:36	75-01-4	
Xylene (Total)	<5.2	ug/L	15.0	5.2	5		04/29/22 18:36	1330-20-7	
cis-1,2-Dichloroethene	18.8	ug/L	5.0	2.4	5		04/29/22 18:36	156-59-2	
cis-1,3-Dichloropropene	<1.8	ug/L	5.0	1.8	5		04/29/22 18:36	10061-01-5	
m&p-Xylene	<3.5	ug/L	10.0	3.5	5		04/29/22 18:36	179601-23-1	
n-Butylbenzene	<4.3	ug/L	5.0	4.3	5		04/29/22 18:36	104-51-8	
n-Hexane	<7.3	ug/L	25.0	7.3	5		04/29/22 18:36	110-54-3	
n-Propylbenzene	<1.7	ug/L	5.0	1.7	5		04/29/22 18:36	103-65-1	
o-Xylene	<1.7	ug/L	5.0	1.7	5		04/29/22 18:36	95-47-6	
p-Isopropyltoluene	<5.2	ug/L	25.0	5.2	5		04/29/22 18:36	99-87-6	
sec-Butylbenzene	<2.1	ug/L	5.0	2.1	5		04/29/22 18:36	135-98-8	
tert-Butylbenzene	<2.9	ug/L	5.0	2.9	5		04/29/22 18:36	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	5.0	2.6	5		04/29/22 18:36	156-60-5	
trans-1,3-Dichloropropene	<17.3	ug/L	25.0	17.3	5		04/29/22 18:36	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		5		04/29/22 18:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		5		04/29/22 18:36	2199-69-1	
Toluene-d8 (S)	103	%	70-130		5		04/29/22 18:36	2037-26-5	

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI

Pace Project No.: 40244046

Sample: MW-4S-202204 **Lab ID: 40244046003** Collected: 04/25/22 17:05 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	2400	mg/L	20.0	8.7	1		04/29/22 16:23		
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Green Bay								
Total Suspended Solids	1.4J	mg/L	2.0	0.95	1		04/28/22 16:24		

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI

Pace Project No.: 40244046

Sample: MW-4D-202204 **Lab ID: 40244046004** Collected: 04/25/22 15:59 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	1410	mg/L	20.0	8.7	1		04/29/22 16:23		
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Green Bay								
Total Suspended Solids	1.4J	mg/L	2.0	0.95	1		04/28/22 16:24		

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI

Pace Project No.: 40244046

Sample: MW-4D2-202204 Lab ID: 40244046005 Collected: 04/25/22 15:35 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		04/29/22 14:46	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/29/22 14:46	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/29/22 14:46	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/29/22 14:46	79-00-5	
1,1,2-Trichlorotrifluoroethane	<0.38	ug/L	5.0	0.38	1		04/29/22 14:46	76-13-1	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/29/22 14:46	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/29/22 14:46	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/29/22 14:46	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/29/22 14:46	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/29/22 14:46	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/29/22 14:46	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/29/22 14:46	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/29/22 14:46	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/29/22 14:46	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/29/22 14:46	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/29/22 14:46	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/29/22 14:46	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/29/22 14:46	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/29/22 14:46	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/29/22 14:46	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/29/22 14:46	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/29/22 14:46	594-20-7	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/29/22 14:46	78-93-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/29/22 14:46	95-49-8	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/29/22 14:46	591-78-6	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/29/22 14:46	106-43-4	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/29/22 14:46	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/29/22 14:46	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/29/22 14:46	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/29/22 14:46	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/29/22 14:46	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/29/22 14:46	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/29/22 14:46	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/29/22 14:46	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		04/29/22 14:46	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/29/22 14:46	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/29/22 14:46	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/29/22 14:46	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/29/22 14:46	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/29/22 14:46	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/29/22 14:46	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/29/22 14:46	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/29/22 14:46	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/29/22 14:46	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/29/22 14:46	100-41-4	

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

Sample: MW-4D2-202204 Lab ID: 40244046005 Collected: 04/25/22 15:35 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/29/22 14:46	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/29/22 14:46	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/29/22 14:46	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/29/22 14:46	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/29/22 14:46	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/29/22 14:46	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/29/22 14:46	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		04/29/22 14:46	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/29/22 14:46	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/29/22 14:46	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/29/22 14:46	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/29/22 14:46	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/29/22 14:46	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/29/22 14:46	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/29/22 14:46	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/29/22 14:46	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/29/22 14:46	104-51-8	
n-Hexane	<1.5	ug/L	5.0	1.5	1		04/29/22 14:46	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/29/22 14:46	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/29/22 14:46	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/29/22 14:46	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/29/22 14:46	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/29/22 14:46	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/29/22 14:46	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/29/22 14:46	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/29/22 14:46	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/29/22 14:46	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/29/22 14:46	2037-26-5	

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI

Pace Project No.: 40244046

Sample: MW-6S-202204 **Lab ID: 40244046006** Collected: 04/25/22 13:35 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	6370	mg/L	333	144	1		05/04/22 09:34		H5
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Green Bay								
Total Suspended Solids	4.2	mg/L	2.0	0.95	1		04/28/22 16:24		

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

Sample: MW-6D-202204 Lab ID: 40244046007 Collected: 04/25/22 13:34 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<3.6	ug/L	10.0	3.6	10		04/29/22 17:58	630-20-6	
1,1,1-Trichloroethane	<3.0	ug/L	10.0	3.0	10		04/29/22 17:58	71-55-6	
1,1,2,2-Tetrachloroethane	<3.8	ug/L	10.0	3.8	10		04/29/22 17:58	79-34-5	
1,1,2-Trichloroethane	<3.4	ug/L	50.0	3.4	10		04/29/22 17:58	79-00-5	
1,1,2-Trichlorotrifluoroethane	<3.8	ug/L	50.0	3.8	10		04/29/22 17:58	76-13-1	
1,1-Dichloroethane	<3.0	ug/L	10.0	3.0	10		04/29/22 17:58	75-34-3	
1,1-Dichloroethene	<5.8	ug/L	10.0	5.8	10		04/29/22 17:58	75-35-4	
1,1-Dichloropropene	<4.1	ug/L	10.0	4.1	10		04/29/22 17:58	563-58-6	
1,2,3-Trichlorobenzene	<10.2	ug/L	50.0	10.2	10		04/29/22 17:58	87-61-6	
1,2,3-Trichloropropane	<5.6	ug/L	50.0	5.6	10		04/29/22 17:58	96-18-4	
1,2,4-Trichlorobenzene	<9.5	ug/L	50.0	9.5	10		04/29/22 17:58	120-82-1	
1,2,4-Trimethylbenzene	<4.5	ug/L	10.0	4.5	10		04/29/22 17:58	95-63-6	
1,2-Dibromo-3-chloropropane	<23.7	ug/L	50.0	23.7	10		04/29/22 17:58	96-12-8	
1,2-Dibromoethane (EDB)	<3.1	ug/L	10.0	3.1	10		04/29/22 17:58	106-93-4	
1,2-Dichlorobenzene	<3.3	ug/L	10.0	3.3	10		04/29/22 17:58	95-50-1	
1,2-Dichloroethane	<2.9	ug/L	10.0	2.9	10		04/29/22 17:58	107-06-2	
1,2-Dichloropropane	<4.5	ug/L	10.0	4.5	10		04/29/22 17:58	78-87-5	
1,3,5-Trimethylbenzene	<3.6	ug/L	10.0	3.6	10		04/29/22 17:58	108-67-8	
1,3-Dichlorobenzene	<3.5	ug/L	10.0	3.5	10		04/29/22 17:58	541-73-1	
1,3-Dichloropropane	<3.0	ug/L	10.0	3.0	10		04/29/22 17:58	142-28-9	
1,4-Dichlorobenzene	<8.9	ug/L	10.0	8.9	10		04/29/22 17:58	106-46-7	
2,2-Dichloropropane	<41.8	ug/L	50.0	41.8	10		04/29/22 17:58	594-20-7	
2-Butanone (MEK)	<65.2	ug/L	250	65.2	10		04/29/22 17:58	78-93-3	
2-Chlorotoluene	<8.9	ug/L	50.0	8.9	10		04/29/22 17:58	95-49-8	
2-Hexanone	<62.8	ug/L	250	62.8	10		04/29/22 17:58	591-78-6	
4-Chlorotoluene	<8.9	ug/L	50.0	8.9	10		04/29/22 17:58	106-43-4	
4-Methyl-2-pentanone (MIBK)	<59.5	ug/L	250	59.5	10		04/29/22 17:58	108-10-1	
Acetone	<86.4	ug/L	250	86.4	10		04/29/22 17:58	67-64-1	
Benzene	183	ug/L	10.0	3.0	10		04/29/22 17:58	71-43-2	
Bromobenzene	<3.6	ug/L	10.0	3.6	10		04/29/22 17:58	108-86-1	
Bromochloromethane	<3.6	ug/L	50.0	3.6	10		04/29/22 17:58	74-97-5	
Bromodichloromethane	<4.2	ug/L	10.0	4.2	10		04/29/22 17:58	75-27-4	
Bromoform	<38.0	ug/L	50.0	38.0	10		04/29/22 17:58	75-25-2	
Bromomethane	<11.9	ug/L	50.0	11.9	10		04/29/22 17:58	74-83-9	
Carbon disulfide	<11.0	ug/L	50.0	11.0	10		04/29/22 17:58	75-15-0	
Carbon tetrachloride	<3.7	ug/L	10.0	3.7	10		04/29/22 17:58	56-23-5	
Chlorobenzene	<8.6	ug/L	10.0	8.6	10		04/29/22 17:58	108-90-7	
Chloroethane	<13.8	ug/L	50.0	13.8	10		04/29/22 17:58	75-00-3	
Chloroform	<11.8	ug/L	50.0	11.8	10		04/29/22 17:58	67-66-3	
Chloromethane	<16.4	ug/L	50.0	16.4	10		04/29/22 17:58	74-87-3	
Dibromochloromethane	<26.4	ug/L	50.0	26.4	10		04/29/22 17:58	124-48-1	
Dibromomethane	<9.9	ug/L	50.0	9.9	10		04/29/22 17:58	74-95-3	
Dichlorodifluoromethane	<4.6	ug/L	50.0	4.6	10		04/29/22 17:58	75-71-8	
Diisopropyl ether	<11.0	ug/L	50.0	11.0	10		04/29/22 17:58	108-20-3	
Ethylbenzene	<3.3	ug/L	10.0	3.3	10		04/29/22 17:58	100-41-4	

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

Sample: MW-6D-202204 **Lab ID: 40244046007** Collected: 04/25/22 13:34 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Hexachloro-1,3-butadiene	<27.4	ug/L	50.0	27.4	10		04/29/22 17:58	87-68-3	
Isopropylbenzene (Cumene)	10.7J	ug/L	50.0	10.0	10		04/29/22 17:58	98-82-8	
Methyl-tert-butyl ether	<11.3	ug/L	50.0	11.3	10		04/29/22 17:58	1634-04-4	
Methylene Chloride	<3.2	ug/L	50.0	3.2	10		04/29/22 17:58	75-09-2	
Naphthalene	<11.3	ug/L	50.0	11.3	10		04/29/22 17:58	91-20-3	
Styrene	<3.6	ug/L	10.0	3.6	10		04/29/22 17:58	100-42-5	
Tetrachloroethene	<4.1	ug/L	10.0	4.1	10		04/29/22 17:58	127-18-4	
Tetrahydrofuran	<24.2	ug/L	250	24.2	10		04/29/22 17:58	109-99-9	
Toluene	6.8J	ug/L	10.0	2.9	10		04/29/22 17:58	108-88-3	
Trichloroethene	5.3J	ug/L	10.0	3.2	10		04/29/22 17:58	79-01-6	
Trichlorofluoromethane	<4.2	ug/L	10.0	4.2	10		04/29/22 17:58	75-69-4	
Vinyl chloride	<1.7	ug/L	10.0	1.7	10		04/29/22 17:58	75-01-4	
Xylene (Total)	<10.5	ug/L	30.0	10.5	10		04/29/22 17:58	1330-20-7	
cis-1,2-Dichloroethene	8.3J	ug/L	10.0	4.7	10		04/29/22 17:58	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	10.0	3.6	10		04/29/22 17:58	10061-01-5	
m&p-Xylene	<7.0	ug/L	20.0	7.0	10		04/29/22 17:58	179601-23-1	
n-Butylbenzene	<8.6	ug/L	10.0	8.6	10		04/29/22 17:58	104-51-8	
n-Hexane	<14.6	ug/L	50.0	14.6	10		04/29/22 17:58	110-54-3	
n-Propylbenzene	<3.5	ug/L	10.0	3.5	10		04/29/22 17:58	103-65-1	
o-Xylene	<3.5	ug/L	10.0	3.5	10		04/29/22 17:58	95-47-6	
p-Isopropyltoluene	<10.4	ug/L	50.0	10.4	10		04/29/22 17:58	99-87-6	
sec-Butylbenzene	<4.2	ug/L	10.0	4.2	10		04/29/22 17:58	135-98-8	
tert-Butylbenzene	<5.9	ug/L	10.0	5.9	10		04/29/22 17:58	98-06-6	
trans-1,2-Dichloroethene	<5.3	ug/L	10.0	5.3	10		04/29/22 17:58	156-60-5	
trans-1,3-Dichloropropene	<34.6	ug/L	50.0	34.6	10		04/29/22 17:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		10		04/29/22 17:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		10		04/29/22 17:58	2199-69-1	
Toluene-d8 (S)	105	%	70-130		10		04/29/22 17:58	2037-26-5	

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI

Pace Project No.: 40244046

Sample: MW-9D2-202204 **Lab ID: 40244046008** Collected: 04/26/22 11:11 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.71	ug/L	2.0	0.71	2		04/29/22 18:55	630-20-6	
1,1,1-Trichloroethane	<0.61	ug/L	2.0	0.61	2		04/29/22 18:55	71-55-6	
1,1,2,2-Tetrachloroethane	<0.76	ug/L	2.0	0.76	2		04/29/22 18:55	79-34-5	
1,1,2-Trichloroethane	<0.69	ug/L	10.0	0.69	2		04/29/22 18:55	79-00-5	
1,1,2-Trichlorotrifluoroethane	<0.76	ug/L	10.0	0.76	2		04/29/22 18:55	76-13-1	
1,1-Dichloroethane	<0.59	ug/L	2.0	0.59	2		04/29/22 18:55	75-34-3	
1,1-Dichloroethene	<1.2	ug/L	2.0	1.2	2		04/29/22 18:55	75-35-4	
1,1-Dichloropropene	<0.82	ug/L	2.0	0.82	2		04/29/22 18:55	563-58-6	
1,2,3-Trichlorobenzene	<2.0	ug/L	10.0	2.0	2		04/29/22 18:55	87-61-6	
1,2,3-Trichloropropane	<1.1	ug/L	10.0	1.1	2		04/29/22 18:55	96-18-4	
1,2,4-Trichlorobenzene	<1.9	ug/L	10.0	1.9	2		04/29/22 18:55	120-82-1	
1,2,4-Trimethylbenzene	<0.90	ug/L	2.0	0.90	2		04/29/22 18:55	95-63-6	
1,2-Dibromo-3-chloropropane	<4.7	ug/L	10.0	4.7	2		04/29/22 18:55	96-12-8	
1,2-Dibromoethane (EDB)	<0.62	ug/L	2.0	0.62	2		04/29/22 18:55	106-93-4	
1,2-Dichlorobenzene	<0.65	ug/L	2.0	0.65	2		04/29/22 18:55	95-50-1	
1,2-Dichloroethane	<0.58	ug/L	2.0	0.58	2		04/29/22 18:55	107-06-2	
1,2-Dichloropropane	<0.90	ug/L	2.0	0.90	2		04/29/22 18:55	78-87-5	
1,3,5-Trimethylbenzene	<0.71	ug/L	2.0	0.71	2		04/29/22 18:55	108-67-8	
1,3-Dichlorobenzene	<0.70	ug/L	2.0	0.70	2		04/29/22 18:55	541-73-1	
1,3-Dichloropropane	<0.61	ug/L	2.0	0.61	2		04/29/22 18:55	142-28-9	
1,4-Dichlorobenzene	<1.8	ug/L	2.0	1.8	2		04/29/22 18:55	106-46-7	
2,2-Dichloropropane	<8.4	ug/L	10.0	8.4	2		04/29/22 18:55	594-20-7	
2-Butanone (MEK)	<13.0	ug/L	50.0	13.0	2		04/29/22 18:55	78-93-3	
2-Chlorotoluene	<1.8	ug/L	10.0	1.8	2		04/29/22 18:55	95-49-8	
2-Hexanone	<12.6	ug/L	50.0	12.6	2		04/29/22 18:55	591-78-6	
4-Chlorotoluene	<1.8	ug/L	10.0	1.8	2		04/29/22 18:55	106-43-4	
4-Methyl-2-pentanone (MIBK)	<11.9	ug/L	50.0	11.9	2		04/29/22 18:55	108-10-1	
Acetone	<17.3	ug/L	50.0	17.3	2		04/29/22 18:55	67-64-1	
Benzene	<0.59	ug/L	2.0	0.59	2		04/29/22 18:55	71-43-2	
Bromobenzene	<0.72	ug/L	2.0	0.72	2		04/29/22 18:55	108-86-1	
Bromochloromethane	<0.72	ug/L	10.0	0.72	2		04/29/22 18:55	74-97-5	
Bromodichloromethane	<0.83	ug/L	2.0	0.83	2		04/29/22 18:55	75-27-4	
Bromoform	<7.6	ug/L	10.0	7.6	2		04/29/22 18:55	75-25-2	
Bromomethane	<2.4	ug/L	10.0	2.4	2		04/29/22 18:55	74-83-9	
Carbon disulfide	<2.2	ug/L	10.0	2.2	2		04/29/22 18:55	75-15-0	
Carbon tetrachloride	<0.74	ug/L	2.0	0.74	2		04/29/22 18:55	56-23-5	
Chlorobenzene	<1.7	ug/L	2.0	1.7	2		04/29/22 18:55	108-90-7	
Chloroethane	<2.8	ug/L	10.0	2.8	2		04/29/22 18:55	75-00-3	
Chloroform	<2.4	ug/L	10.0	2.4	2		04/29/22 18:55	67-66-3	
Chloromethane	<3.3	ug/L	10.0	3.3	2		04/29/22 18:55	74-87-3	
Dibromochloromethane	<5.3	ug/L	10.0	5.3	2		04/29/22 18:55	124-48-1	
Dibromomethane	<2.0	ug/L	10.0	2.0	2		04/29/22 18:55	74-95-3	
Dichlorodifluoromethane	<0.91	ug/L	10.0	0.91	2		04/29/22 18:55	75-71-8	
Diisopropyl ether	<2.2	ug/L	10.0	2.2	2		04/29/22 18:55	108-20-3	
Ethylbenzene	<0.65	ug/L	2.0	0.65	2		04/29/22 18:55	100-41-4	

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI

Pace Project No.: 40244046

Sample: MW-9D2-202204 Lab ID: 40244046008 Collected: 04/26/22 11:11 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Hexachloro-1,3-butadiene	<5.5	ug/L	10.0	5.5	2		04/29/22 18:55	87-68-3	
Isopropylbenzene (Cumene)	<2.0	ug/L	10.0	2.0	2		04/29/22 18:55	98-82-8	
Methyl-tert-butyl ether	10.2	ug/L	10.0	2.3	2		04/29/22 18:55	1634-04-4	
Methylene Chloride	<0.64	ug/L	10.0	0.64	2		04/29/22 18:55	75-09-2	
Naphthalene	<2.3	ug/L	10.0	2.3	2		04/29/22 18:55	91-20-3	
Styrene	<0.71	ug/L	2.0	0.71	2		04/29/22 18:55	100-42-5	
Tetrachloroethene	234	ug/L	2.0	0.82	2		04/29/22 18:55	127-18-4	
Tetrahydrofuran	<4.8	ug/L	50.0	4.8	2		04/29/22 18:55	109-99-9	
Toluene	<0.58	ug/L	2.0	0.58	2		04/29/22 18:55	108-88-3	
Trichloroethene	43.7	ug/L	2.0	0.64	2		04/29/22 18:55	79-01-6	
Trichlorofluoromethane	<0.84	ug/L	2.0	0.84	2		04/29/22 18:55	75-69-4	
Vinyl chloride	3.0	ug/L	2.0	0.35	2		04/29/22 18:55	75-01-4	
Xylene (Total)	<2.1	ug/L	6.0	2.1	2		04/29/22 18:55	1330-20-7	
cis-1,2-Dichloroethene	85.1	ug/L	2.0	0.94	2		04/29/22 18:55	156-59-2	
cis-1,3-Dichloropropene	<0.72	ug/L	2.0	0.72	2		04/29/22 18:55	10061-01-5	
m&p-Xylene	<1.4	ug/L	4.0	1.4	2		04/29/22 18:55	179601-23-1	
n-Butylbenzene	<1.7	ug/L	2.0	1.7	2		04/29/22 18:55	104-51-8	
n-Hexane	<2.9	ug/L	10.0	2.9	2		04/29/22 18:55	110-54-3	
n-Propylbenzene	<0.69	ug/L	2.0	0.69	2		04/29/22 18:55	103-65-1	
o-Xylene	<0.70	ug/L	2.0	0.70	2		04/29/22 18:55	95-47-6	
p-Isopropyltoluene	<2.1	ug/L	10.0	2.1	2		04/29/22 18:55	99-87-6	
sec-Butylbenzene	<0.85	ug/L	2.0	0.85	2		04/29/22 18:55	135-98-8	
tert-Butylbenzene	<1.2	ug/L	2.0	1.2	2		04/29/22 18:55	98-06-6	
trans-1,2-Dichloroethene	1.6J	ug/L	2.0	1.1	2		04/29/22 18:55	156-60-5	
trans-1,3-Dichloropropene	<6.9	ug/L	10.0	6.9	2		04/29/22 18:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		2		04/29/22 18:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		2		04/29/22 18:55	2199-69-1	
Toluene-d8 (S)	103	%	70-130		2		04/29/22 18:55	2037-26-5	

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

Sample: MW-17-202204 Lab ID: 40244046009 Collected: 04/25/22 12:08 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<3.6	ug/L	10.0	3.6	10		04/29/22 18:17	630-20-6	
1,1,1-Trichloroethane	<3.0	ug/L	10.0	3.0	10		04/29/22 18:17	71-55-6	
1,1,2,2-Tetrachloroethane	<3.8	ug/L	10.0	3.8	10		04/29/22 18:17	79-34-5	
1,1,2-Trichloroethane	<3.4	ug/L	50.0	3.4	10		04/29/22 18:17	79-00-5	
1,1,2-Trichlorotrifluoroethane	<3.8	ug/L	50.0	3.8	10		04/29/22 18:17	76-13-1	
1,1-Dichloroethane	<3.0	ug/L	10.0	3.0	10		04/29/22 18:17	75-34-3	
1,1-Dichloroethene	<5.8	ug/L	10.0	5.8	10		04/29/22 18:17	75-35-4	
1,1-Dichloropropene	<4.1	ug/L	10.0	4.1	10		04/29/22 18:17	563-58-6	
1,2,3-Trichlorobenzene	<10.2	ug/L	50.0	10.2	10		04/29/22 18:17	87-61-6	
1,2,3-Trichloropropane	<5.6	ug/L	50.0	5.6	10		04/29/22 18:17	96-18-4	
1,2,4-Trichlorobenzene	<9.5	ug/L	50.0	9.5	10		04/29/22 18:17	120-82-1	
1,2,4-Trimethylbenzene	<4.5	ug/L	10.0	4.5	10		04/29/22 18:17	95-63-6	
1,2-Dibromo-3-chloropropane	<23.7	ug/L	50.0	23.7	10		04/29/22 18:17	96-12-8	
1,2-Dibromoethane (EDB)	<3.1	ug/L	10.0	3.1	10		04/29/22 18:17	106-93-4	
1,2-Dichlorobenzene	<3.3	ug/L	10.0	3.3	10		04/29/22 18:17	95-50-1	
1,2-Dichloroethane	<2.9	ug/L	10.0	2.9	10		04/29/22 18:17	107-06-2	
1,2-Dichloropropane	<4.5	ug/L	10.0	4.5	10		04/29/22 18:17	78-87-5	
1,3,5-Trimethylbenzene	<3.6	ug/L	10.0	3.6	10		04/29/22 18:17	108-67-8	
1,3-Dichlorobenzene	<3.5	ug/L	10.0	3.5	10		04/29/22 18:17	541-73-1	
1,3-Dichloropropane	<3.0	ug/L	10.0	3.0	10		04/29/22 18:17	142-28-9	
1,4-Dichlorobenzene	<8.9	ug/L	10.0	8.9	10		04/29/22 18:17	106-46-7	
2,2-Dichloropropane	<41.8	ug/L	50.0	41.8	10		04/29/22 18:17	594-20-7	
2-Butanone (MEK)	<65.2	ug/L	250	65.2	10		04/29/22 18:17	78-93-3	
2-Chlorotoluene	<8.9	ug/L	50.0	8.9	10		04/29/22 18:17	95-49-8	
2-Hexanone	<62.8	ug/L	250	62.8	10		04/29/22 18:17	591-78-6	
4-Chlorotoluene	<8.9	ug/L	50.0	8.9	10		04/29/22 18:17	106-43-4	
4-Methyl-2-pentanone (MIBK)	<59.5	ug/L	250	59.5	10		04/29/22 18:17	108-10-1	
Acetone	<86.4	ug/L	250	86.4	10		04/29/22 18:17	67-64-1	
Benzene	<3.0	ug/L	10.0	3.0	10		04/29/22 18:17	71-43-2	
Bromobenzene	<3.6	ug/L	10.0	3.6	10		04/29/22 18:17	108-86-1	
Bromochloromethane	<3.6	ug/L	50.0	3.6	10		04/29/22 18:17	74-97-5	
Bromodichloromethane	<4.2	ug/L	10.0	4.2	10		04/29/22 18:17	75-27-4	
Bromoform	<38.0	ug/L	50.0	38.0	10		04/29/22 18:17	75-25-2	
Bromomethane	<11.9	ug/L	50.0	11.9	10		04/29/22 18:17	74-83-9	
Carbon disulfide	<11.0	ug/L	50.0	11.0	10		04/29/22 18:17	75-15-0	
Carbon tetrachloride	<3.7	ug/L	10.0	3.7	10		04/29/22 18:17	56-23-5	
Chlorobenzene	<8.6	ug/L	10.0	8.6	10		04/29/22 18:17	108-90-7	
Chloroethane	<13.8	ug/L	50.0	13.8	10		04/29/22 18:17	75-00-3	
Chloroform	<11.8	ug/L	50.0	11.8	10		04/29/22 18:17	67-66-3	
Chloromethane	<16.4	ug/L	50.0	16.4	10		04/29/22 18:17	74-87-3	
Dibromochloromethane	<26.4	ug/L	50.0	26.4	10		04/29/22 18:17	124-48-1	
Dibromomethane	<9.9	ug/L	50.0	9.9	10		04/29/22 18:17	74-95-3	
Dichlorodifluoromethane	<4.6	ug/L	50.0	4.6	10		04/29/22 18:17	75-71-8	
Diisopropyl ether	<11.0	ug/L	50.0	11.0	10		04/29/22 18:17	108-20-3	
Ethylbenzene	<3.3	ug/L	10.0	3.3	10		04/29/22 18:17	100-41-4	

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

Sample: MW-17-202204 Lab ID: 40244046009 Collected: 04/25/22 12:08 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Hexachloro-1,3-butadiene	<27.4	ug/L	50.0	27.4	10		04/29/22 18:17	87-68-3	
Isopropylbenzene (Cumene)	<10.0	ug/L	50.0	10.0	10		04/29/22 18:17	98-82-8	
Methyl-tert-butyl ether	<11.3	ug/L	50.0	11.3	10		04/29/22 18:17	1634-04-4	
Methylene Chloride	<3.2	ug/L	50.0	3.2	10		04/29/22 18:17	75-09-2	
Naphthalene	<11.3	ug/L	50.0	11.3	10		04/29/22 18:17	91-20-3	
Styrene	<3.6	ug/L	10.0	3.6	10		04/29/22 18:17	100-42-5	
Tetrachloroethene	452	ug/L	10.0	4.1	10		04/29/22 18:17	127-18-4	
Tetrahydrofuran	<24.2	ug/L	250	24.2	10		04/29/22 18:17	109-99-9	
Toluene	<2.9	ug/L	10.0	2.9	10		04/29/22 18:17	108-88-3	
Trichloroethene	21.7	ug/L	10.0	3.2	10		04/29/22 18:17	79-01-6	
Trichlorofluoromethane	<4.2	ug/L	10.0	4.2	10		04/29/22 18:17	75-69-4	
Vinyl chloride	<1.7	ug/L	10.0	1.7	10		04/29/22 18:17	75-01-4	
Xylene (Total)	<10.5	ug/L	30.0	10.5	10		04/29/22 18:17	1330-20-7	
cis-1,2-Dichloroethene	6.0J	ug/L	10.0	4.7	10		04/29/22 18:17	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	10.0	3.6	10		04/29/22 18:17	10061-01-5	
m&p-Xylene	<7.0	ug/L	20.0	7.0	10		04/29/22 18:17	179601-23-1	
n-Butylbenzene	<8.6	ug/L	10.0	8.6	10		04/29/22 18:17	104-51-8	
n-Hexane	<14.6	ug/L	50.0	14.6	10		04/29/22 18:17	110-54-3	
n-Propylbenzene	<3.5	ug/L	10.0	3.5	10		04/29/22 18:17	103-65-1	
o-Xylene	<3.5	ug/L	10.0	3.5	10		04/29/22 18:17	95-47-6	
p-Isopropyltoluene	<10.4	ug/L	50.0	10.4	10		04/29/22 18:17	99-87-6	
sec-Butylbenzene	<4.2	ug/L	10.0	4.2	10		04/29/22 18:17	135-98-8	
tert-Butylbenzene	<5.9	ug/L	10.0	5.9	10		04/29/22 18:17	98-06-6	
trans-1,2-Dichloroethene	<5.3	ug/L	10.0	5.3	10		04/29/22 18:17	156-60-5	
trans-1,3-Dichloropropene	<34.6	ug/L	50.0	34.6	10		04/29/22 18:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		10		04/29/22 18:17	460-00-4	D3
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		10		04/29/22 18:17	2199-69-1	
Toluene-d8 (S)	103	%	70-130		10		04/29/22 18:17	2037-26-5	

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

Sample: MW-11S-202204 **Lab ID: 40244046010** Collected: 04/26/22 11:55 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	1080	mg/L	20.0	8.7	1		04/29/22 16:23		
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Green Bay								
Total Suspended Solids	<0.95	mg/L	2.0	0.95	1		04/28/22 16:24		

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI

Pace Project No.: 40244046

Sample: MW-27D-202204 Lab ID: 40244046011 Collected: 04/26/22 10:04 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		04/29/22 14:27	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/29/22 14:27	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/29/22 14:27	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/29/22 14:27	79-00-5	
1,1,2-Trichlorotrifluoroethane	<0.38	ug/L	5.0	0.38	1		04/29/22 14:27	76-13-1	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/29/22 14:27	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/29/22 14:27	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/29/22 14:27	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/29/22 14:27	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/29/22 14:27	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/29/22 14:27	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/29/22 14:27	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/29/22 14:27	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/29/22 14:27	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/29/22 14:27	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/29/22 14:27	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/29/22 14:27	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/29/22 14:27	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/29/22 14:27	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/29/22 14:27	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/29/22 14:27	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/29/22 14:27	594-20-7	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/29/22 14:27	78-93-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/29/22 14:27	95-49-8	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/29/22 14:27	591-78-6	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/29/22 14:27	106-43-4	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/29/22 14:27	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/29/22 14:27	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/29/22 14:27	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/29/22 14:27	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/29/22 14:27	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/29/22 14:27	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/29/22 14:27	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/29/22 14:27	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		04/29/22 14:27	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/29/22 14:27	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/29/22 14:27	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/29/22 14:27	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/29/22 14:27	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/29/22 14:27	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/29/22 14:27	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/29/22 14:27	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/29/22 14:27	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/29/22 14:27	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/29/22 14:27	100-41-4	

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

Sample: MW-27D-202204 **Lab ID: 40244046011** Collected: 04/26/22 10:04 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/29/22 14:27	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/29/22 14:27	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/29/22 14:27	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/29/22 14:27	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/29/22 14:27	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/29/22 14:27	100-42-5	
Tetrachloroethene	0.85J	ug/L	1.0	0.41	1		04/29/22 14:27	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		04/29/22 14:27	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/29/22 14:27	108-88-3	
Trichloroethene	1.5	ug/L	1.0	0.32	1		04/29/22 14:27	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/29/22 14:27	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/29/22 14:27	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/29/22 14:27	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/29/22 14:27	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/29/22 14:27	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/29/22 14:27	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/29/22 14:27	104-51-8	
n-Hexane	<1.5	ug/L	5.0	1.5	1		04/29/22 14:27	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/29/22 14:27	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/29/22 14:27	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/29/22 14:27	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/29/22 14:27	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/29/22 14:27	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/29/22 14:27	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/29/22 14:27	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/29/22 14:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		04/29/22 14:27	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/29/22 14:27	2037-26-5	

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

Sample: DUP-01-202204 Lab ID: 40244046012 Collected: 04/25/22 00:00 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		04/29/22 15:43	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/29/22 15:43	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/29/22 15:43	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/29/22 15:43	79-00-5	
1,1,2-Trichlorotrifluoroethane	<0.38	ug/L	5.0	0.38	1		04/29/22 15:43	76-13-1	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/29/22 15:43	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/29/22 15:43	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/29/22 15:43	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/29/22 15:43	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/29/22 15:43	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/29/22 15:43	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/29/22 15:43	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/29/22 15:43	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/29/22 15:43	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/29/22 15:43	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/29/22 15:43	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/29/22 15:43	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/29/22 15:43	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/29/22 15:43	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/29/22 15:43	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/29/22 15:43	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/29/22 15:43	594-20-7	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/29/22 15:43	78-93-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/29/22 15:43	95-49-8	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/29/22 15:43	591-78-6	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/29/22 15:43	106-43-4	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/29/22 15:43	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/29/22 15:43	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/29/22 15:43	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/29/22 15:43	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/29/22 15:43	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/29/22 15:43	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/29/22 15:43	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/29/22 15:43	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		04/29/22 15:43	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/29/22 15:43	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/29/22 15:43	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/29/22 15:43	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/29/22 15:43	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/29/22 15:43	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/29/22 15:43	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/29/22 15:43	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/29/22 15:43	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/29/22 15:43	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/29/22 15:43	100-41-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

Sample: DUP-01-202204 Lab ID: 40244046012 Collected: 04/25/22 00:00 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/29/22 15:43	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/29/22 15:43	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/29/22 15:43	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/29/22 15:43	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/29/22 15:43	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/29/22 15:43	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/29/22 15:43	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		04/29/22 15:43	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/29/22 15:43	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/29/22 15:43	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/29/22 15:43	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/29/22 15:43	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/29/22 15:43	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/29/22 15:43	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/29/22 15:43	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/29/22 15:43	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/29/22 15:43	104-51-8	
n-Hexane	<1.5	ug/L	5.0	1.5	1		04/29/22 15:43	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/29/22 15:43	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/29/22 15:43	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/29/22 15:43	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/29/22 15:43	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/29/22 15:43	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/29/22 15:43	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/29/22 15:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/29/22 15:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	94	%	70-130		1		04/29/22 15:43	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/29/22 15:43	2037-26-5	

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI

Pace Project No.: 40244046

Sample: DUP-02-202204 Lab ID: 40244046013 Collected: 04/26/22 00:00 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<3.6	ug/L	10.0	3.6	10		04/29/22 17:19	630-20-6	
1,1,1-Trichloroethane	<3.0	ug/L	10.0	3.0	10		04/29/22 17:19	71-55-6	
1,1,2,2-Tetrachloroethane	<3.8	ug/L	10.0	3.8	10		04/29/22 17:19	79-34-5	
1,1,2-Trichloroethane	<3.4	ug/L	50.0	3.4	10		04/29/22 17:19	79-00-5	
1,1,2-Trichlorotrifluoroethane	<3.8	ug/L	50.0	3.8	10		04/29/22 17:19	76-13-1	
1,1-Dichloroethane	<3.0	ug/L	10.0	3.0	10		04/29/22 17:19	75-34-3	
1,1-Dichloroethene	<5.8	ug/L	10.0	5.8	10		04/29/22 17:19	75-35-4	
1,1-Dichloropropene	<4.1	ug/L	10.0	4.1	10		04/29/22 17:19	563-58-6	
1,2,3-Trichlorobenzene	<10.2	ug/L	50.0	10.2	10		04/29/22 17:19	87-61-6	
1,2,3-Trichloropropane	<5.6	ug/L	50.0	5.6	10		04/29/22 17:19	96-18-4	
1,2,4-Trichlorobenzene	<9.5	ug/L	50.0	9.5	10		04/29/22 17:19	120-82-1	
1,2,4-Trimethylbenzene	<4.5	ug/L	10.0	4.5	10		04/29/22 17:19	95-63-6	
1,2-Dibromo-3-chloropropane	<23.7	ug/L	50.0	23.7	10		04/29/22 17:19	96-12-8	
1,2-Dibromoethane (EDB)	<3.1	ug/L	10.0	3.1	10		04/29/22 17:19	106-93-4	
1,2-Dichlorobenzene	<3.3	ug/L	10.0	3.3	10		04/29/22 17:19	95-50-1	
1,2-Dichloroethane	<2.9	ug/L	10.0	2.9	10		04/29/22 17:19	107-06-2	
1,2-Dichloropropane	<4.5	ug/L	10.0	4.5	10		04/29/22 17:19	78-87-5	
1,3,5-Trimethylbenzene	<3.6	ug/L	10.0	3.6	10		04/29/22 17:19	108-67-8	
1,3-Dichlorobenzene	<3.5	ug/L	10.0	3.5	10		04/29/22 17:19	541-73-1	
1,3-Dichloropropane	<3.0	ug/L	10.0	3.0	10		04/29/22 17:19	142-28-9	
1,4-Dichlorobenzene	<8.9	ug/L	10.0	8.9	10		04/29/22 17:19	106-46-7	
2,2-Dichloropropane	<41.8	ug/L	50.0	41.8	10		04/29/22 17:19	594-20-7	
2-Butanone (MEK)	<65.2	ug/L	250	65.2	10		04/29/22 17:19	78-93-3	
2-Chlorotoluene	<8.9	ug/L	50.0	8.9	10		04/29/22 17:19	95-49-8	
2-Hexanone	<62.8	ug/L	250	62.8	10		04/29/22 17:19	591-78-6	
4-Chlorotoluene	<8.9	ug/L	50.0	8.9	10		04/29/22 17:19	106-43-4	
4-Methyl-2-pentanone (MIBK)	<59.5	ug/L	250	59.5	10		04/29/22 17:19	108-10-1	
Acetone	<86.4	ug/L	250	86.4	10		04/29/22 17:19	67-64-1	
Benzene	<3.0	ug/L	10.0	3.0	10		04/29/22 17:19	71-43-2	
Bromobenzene	<3.6	ug/L	10.0	3.6	10		04/29/22 17:19	108-86-1	
Bromochloromethane	<3.6	ug/L	50.0	3.6	10		04/29/22 17:19	74-97-5	
Bromodichloromethane	<4.2	ug/L	10.0	4.2	10		04/29/22 17:19	75-27-4	
Bromoform	<38.0	ug/L	50.0	38.0	10		04/29/22 17:19	75-25-2	
Bromomethane	<11.9	ug/L	50.0	11.9	10		04/29/22 17:19	74-83-9	
Carbon disulfide	<11.0	ug/L	50.0	11.0	10		04/29/22 17:19	75-15-0	
Carbon tetrachloride	<3.7	ug/L	10.0	3.7	10		04/29/22 17:19	56-23-5	
Chlorobenzene	<8.6	ug/L	10.0	8.6	10		04/29/22 17:19	108-90-7	
Chloroethane	<13.8	ug/L	50.0	13.8	10		04/29/22 17:19	75-00-3	
Chloroform	<11.8	ug/L	50.0	11.8	10		04/29/22 17:19	67-66-3	
Chloromethane	<16.4	ug/L	50.0	16.4	10		04/29/22 17:19	74-87-3	
Dibromochloromethane	<26.4	ug/L	50.0	26.4	10		04/29/22 17:19	124-48-1	
Dibromomethane	<9.9	ug/L	50.0	9.9	10		04/29/22 17:19	74-95-3	
Dichlorodifluoromethane	<4.6	ug/L	50.0	4.6	10		04/29/22 17:19	75-71-8	
Diisopropyl ether	<11.0	ug/L	50.0	11.0	10		04/29/22 17:19	108-20-3	
Ethylbenzene	<3.3	ug/L	10.0	3.3	10		04/29/22 17:19	100-41-4	

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI

Pace Project No.: 40244046

Sample: DUP-02-202204 **Lab ID: 40244046013** Collected: 04/26/22 00:00 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Hexachloro-1,3-butadiene	<27.4	ug/L	50.0	27.4	10		04/29/22 17:19	87-68-3	
Isopropylbenzene (Cumene)	<10.0	ug/L	50.0	10.0	10		04/29/22 17:19	98-82-8	
Methyl-tert-butyl ether	<11.3	ug/L	50.0	11.3	10		04/29/22 17:19	1634-04-4	
Methylene Chloride	4.4J	ug/L	50.0	3.2	10		04/29/22 17:19	75-09-2	
Naphthalene	<11.3	ug/L	50.0	11.3	10		04/29/22 17:19	91-20-3	
Styrene	<3.6	ug/L	10.0	3.6	10		04/29/22 17:19	100-42-5	
Tetrachloroethene	624	ug/L	10.0	4.1	10		04/29/22 17:19	127-18-4	
Tetrahydrofuran	<24.2	ug/L	250	24.2	10		04/29/22 17:19	109-99-9	
Toluene	<2.9	ug/L	10.0	2.9	10		04/29/22 17:19	108-88-3	
Trichloroethene	34.0	ug/L	10.0	3.2	10		04/29/22 17:19	79-01-6	
Trichlorofluoromethane	<4.2	ug/L	10.0	4.2	10		04/29/22 17:19	75-69-4	
Vinyl chloride	<1.7	ug/L	10.0	1.7	10		04/29/22 17:19	75-01-4	
Xylene (Total)	<10.5	ug/L	30.0	10.5	10		04/29/22 17:19	1330-20-7	
cis-1,2-Dichloroethene	31.2	ug/L	10.0	4.7	10		04/29/22 17:19	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	10.0	3.6	10		04/29/22 17:19	10061-01-5	
m&p-Xylene	<7.0	ug/L	20.0	7.0	10		04/29/22 17:19	179601-23-1	
n-Butylbenzene	<8.6	ug/L	10.0	8.6	10		04/29/22 17:19	104-51-8	
n-Hexane	<14.6	ug/L	50.0	14.6	10		04/29/22 17:19	110-54-3	
n-Propylbenzene	<3.5	ug/L	10.0	3.5	10		04/29/22 17:19	103-65-1	
o-Xylene	<3.5	ug/L	10.0	3.5	10		04/29/22 17:19	95-47-6	
p-Isopropyltoluene	<10.4	ug/L	50.0	10.4	10		04/29/22 17:19	99-87-6	
sec-Butylbenzene	<4.2	ug/L	10.0	4.2	10		04/29/22 17:19	135-98-8	
tert-Butylbenzene	<5.9	ug/L	10.0	5.9	10		04/29/22 17:19	98-06-6	
trans-1,2-Dichloroethene	<5.3	ug/L	10.0	5.3	10		04/29/22 17:19	156-60-5	
trans-1,3-Dichloropropene	<34.6	ug/L	50.0	34.6	10		04/29/22 17:19	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		10		04/29/22 17:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	93	%	70-130		10		04/29/22 17:19	2199-69-1	
Toluene-d8 (S)	104	%	70-130		10		04/29/22 17:19	2037-26-5	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Green Bay									
Total Dissolved Solids	1000	mg/L	20.0	8.7	1		04/29/22 16:23		
2540D Total Suspended Solids									
Analytical Method: SM 2540D									
Pace Analytical Services - Green Bay									
Total Suspended Solids	5.4	mg/L	2.0	0.95	1		04/28/22 16:24		

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

Sample: **FB-01-202204** Lab ID: **40244046014** Collected: 04/26/22 16:30 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		04/29/22 13:29	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/29/22 13:29	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/29/22 13:29	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/29/22 13:29	79-00-5	
1,1,2-Trichlorotrifluoroethane	<0.38	ug/L	5.0	0.38	1		04/29/22 13:29	76-13-1	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/29/22 13:29	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/29/22 13:29	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/29/22 13:29	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/29/22 13:29	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/29/22 13:29	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/29/22 13:29	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/29/22 13:29	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/29/22 13:29	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/29/22 13:29	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/29/22 13:29	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/29/22 13:29	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/29/22 13:29	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/29/22 13:29	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/29/22 13:29	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/29/22 13:29	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/29/22 13:29	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/29/22 13:29	594-20-7	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/29/22 13:29	78-93-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/29/22 13:29	95-49-8	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/29/22 13:29	591-78-6	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/29/22 13:29	106-43-4	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/29/22 13:29	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/29/22 13:29	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/29/22 13:29	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/29/22 13:29	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/29/22 13:29	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/29/22 13:29	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/29/22 13:29	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/29/22 13:29	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		04/29/22 13:29	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/29/22 13:29	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/29/22 13:29	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/29/22 13:29	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/29/22 13:29	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/29/22 13:29	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/29/22 13:29	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/29/22 13:29	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/29/22 13:29	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/29/22 13:29	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/29/22 13:29	100-41-4	

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ANALYTICAL RESULTS

Project: A221707 MADISON KIPP CORPORATI

Pace Project No.: 40244046

Sample: **FB-01-202204** Lab ID: **40244046014** Collected: 04/26/22 16:30 Received: 04/28/22 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/29/22 13:29	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/29/22 13:29	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/29/22 13:29	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/29/22 13:29	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/29/22 13:29	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/29/22 13:29	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/29/22 13:29	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		04/29/22 13:29	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/29/22 13:29	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/29/22 13:29	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/29/22 13:29	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/29/22 13:29	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/29/22 13:29	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/29/22 13:29	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/29/22 13:29	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/29/22 13:29	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/29/22 13:29	104-51-8	
n-Hexane	<1.5	ug/L	5.0	1.5	1		04/29/22 13:29	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/29/22 13:29	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/29/22 13:29	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/29/22 13:29	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/29/22 13:29	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/29/22 13:29	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/29/22 13:29	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/29/22 13:29	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/29/22 13:29	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		04/29/22 13:29	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		04/29/22 13:29	2037-26-5	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Green Bay									
Total Dissolved Solids	14.0J	mg/L	20.0	8.7	1		04/29/22 16:24		
2540D Total Suspended Solids									
Analytical Method: SM 2540D									
Pace Analytical Services - Green Bay									
Total Suspended Solids	1.0J	mg/L	2.0	0.95	1		04/28/22 16:24		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

QC Batch: 414403 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244046001, 40244046002, 40244046005, 40244046007, 40244046008, 40244046009, 40244046011, 40244046012, 40244046013, 40244046014

METHOD BLANK: 2386063 Matrix: Water
Associated Lab Samples: 40244046001, 40244046002, 40244046005, 40244046007, 40244046008, 40244046009, 40244046011, 40244046012, 40244046013, 40244046014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	04/29/22 09:58	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	04/29/22 09:58	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	04/29/22 09:58	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	04/29/22 09:58	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.38	5.0	04/29/22 09:58	
1,1-Dichloroethane	ug/L	<0.30	1.0	04/29/22 09:58	
1,1-Dichloroethene	ug/L	<0.58	1.0	04/29/22 09:58	
1,1-Dichloropropene	ug/L	<0.41	1.0	04/29/22 09:58	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	04/29/22 09:58	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	04/29/22 09:58	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/29/22 09:58	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	04/29/22 09:58	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	04/29/22 09:58	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	04/29/22 09:58	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	04/29/22 09:58	
1,2-Dichloroethane	ug/L	<0.29	1.0	04/29/22 09:58	
1,2-Dichloropropane	ug/L	<0.45	1.0	04/29/22 09:58	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	04/29/22 09:58	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	04/29/22 09:58	
1,3-Dichloropropane	ug/L	<0.30	1.0	04/29/22 09:58	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	04/29/22 09:58	
2,2-Dichloropropane	ug/L	<4.2	5.0	04/29/22 09:58	
2-Butanone (MEK)	ug/L	<6.5	25.0	04/29/22 09:58	
2-Chlorotoluene	ug/L	<0.89	5.0	04/29/22 09:58	
2-Hexanone	ug/L	<6.3	25.0	04/29/22 09:58	
4-Chlorotoluene	ug/L	<0.89	5.0	04/29/22 09:58	
4-Methyl-2-pentanone (MIBK)	ug/L	<6.0	25.0	04/29/22 09:58	
Acetone	ug/L	<8.6	25.0	04/29/22 09:58	
Benzene	ug/L	<0.30	1.0	04/29/22 09:58	
Bromobenzene	ug/L	<0.36	1.0	04/29/22 09:58	
Bromochloromethane	ug/L	<0.36	5.0	04/29/22 09:58	
Bromodichloromethane	ug/L	<0.42	1.0	04/29/22 09:58	
Bromoform	ug/L	<3.8	5.0	04/29/22 09:58	
Bromomethane	ug/L	<1.2	5.0	04/29/22 09:58	
Carbon disulfide	ug/L	<1.1	5.0	04/29/22 09:58	
Carbon tetrachloride	ug/L	<0.37	1.0	04/29/22 09:58	
Chlorobenzene	ug/L	<0.86	1.0	04/29/22 09:58	
Chloroethane	ug/L	<1.4	5.0	04/29/22 09:58	
Chloroform	ug/L	<1.2	5.0	04/29/22 09:58	

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QUALITY CONTROL DATA

Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

METHOD BLANK: 2386063 Matrix: Water
Associated Lab Samples: 40244046001, 40244046002, 40244046005, 40244046007, 40244046008, 40244046009, 40244046011, 40244046012, 40244046013, 40244046014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	ug/L	<1.6	5.0	04/29/22 09:58	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	04/29/22 09:58	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	04/29/22 09:58	
Dibromochloromethane	ug/L	<2.6	5.0	04/29/22 09:58	
Dibromomethane	ug/L	<0.99	5.0	04/29/22 09:58	
Dichlorodifluoromethane	ug/L	<0.46	5.0	04/29/22 09:58	
Diisopropyl ether	ug/L	<1.1	5.0	04/29/22 09:58	
Ethylbenzene	ug/L	<0.33	1.0	04/29/22 09:58	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	04/29/22 09:58	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	04/29/22 09:58	
m&p-Xylene	ug/L	<0.70	2.0	04/29/22 09:58	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	04/29/22 09:58	
Methylene Chloride	ug/L	<0.32	5.0	04/29/22 09:58	
n-Butylbenzene	ug/L	<0.86	1.0	04/29/22 09:58	
n-Hexane	ug/L	<1.5	5.0	04/29/22 09:58	
n-Propylbenzene	ug/L	<0.35	1.0	04/29/22 09:58	
Naphthalene	ug/L	<1.1	5.0	04/29/22 09:58	
o-Xylene	ug/L	<0.35	1.0	04/29/22 09:58	
p-Isopropyltoluene	ug/L	<1.0	5.0	04/29/22 09:58	
sec-Butylbenzene	ug/L	<0.42	1.0	04/29/22 09:58	
Styrene	ug/L	<0.36	1.0	04/29/22 09:58	
tert-Butylbenzene	ug/L	<0.59	1.0	04/29/22 09:58	
Tetrachloroethene	ug/L	<0.41	1.0	04/29/22 09:58	
Tetrahydrofuran	ug/L	<2.4	25.0	04/29/22 09:58	
Toluene	ug/L	<0.29	1.0	04/29/22 09:58	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	04/29/22 09:58	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	04/29/22 09:58	
Trichloroethene	ug/L	<0.32	1.0	04/29/22 09:58	
Trichlorofluoromethane	ug/L	<0.42	1.0	04/29/22 09:58	
Vinyl chloride	ug/L	<0.17	1.0	04/29/22 09:58	
Xylene (Total)	ug/L	<1.0	3.0	04/29/22 09:58	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130	04/29/22 09:58	
4-Bromofluorobenzene (S)	%	100	70-130	04/29/22 09:58	
Toluene-d8 (S)	%	101	70-130	04/29/22 09:58	

LABORATORY CONTROL SAMPLE: 2386064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.8	104	70-134	
1,1,2,2-Tetrachloroethane	ug/L	50	41.7	83	69-130	
1,1,2-Trichloroethane	ug/L	50	46.8	94	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	51.6	103	50-150	
1,1-Dichloroethane	ug/L	50	48.1	96	70-130	

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QUALITY CONTROL DATA

Project: A221707 MADISON KIPP CORPORATI

Pace Project No.: 40244046

LABORATORY CONTROL SAMPLE: 2386064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	50	49.6	99	74-131	
1,2,4-Trichlorobenzene	ug/L	50	46.1	92	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	39.8	80	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	45.0	90	70-130	
1,2-Dichlorobenzene	ug/L	50	46.2	92	70-130	
1,2-Dichloroethane	ug/L	50	48.8	98	70-137	
1,2-Dichloropropane	ug/L	50	45.9	92	80-121	
1,3-Dichlorobenzene	ug/L	50	51.0	102	70-130	
1,4-Dichlorobenzene	ug/L	50	48.2	96	70-130	
Benzene	ug/L	50	46.0	92	70-130	
Bromodichloromethane	ug/L	50	48.1	96	70-130	
Bromoform	ug/L	50	47.0	94	70-130	
Bromomethane	ug/L	50	32.4	65	21-147	
Carbon disulfide	ug/L	50	47.3	95	70-130	
Carbon tetrachloride	ug/L	50	55.0	110	80-146	
Chlorobenzene	ug/L	50	50.1	100	70-130	
Chloroethane	ug/L	50	52.6	105	52-165	
Chloroform	ug/L	50	50.4	101	80-123	
Chloromethane	ug/L	50	52.2	104	51-122	
cis-1,2-Dichloroethene	ug/L	50	47.8	96	70-130	
cis-1,3-Dichloropropene	ug/L	50	46.2	92	70-130	
Dibromochloromethane	ug/L	50	48.3	97	70-130	
Dichlorodifluoromethane	ug/L	50	53.0	106	25-121	
Ethylbenzene	ug/L	50	48.9	98	80-120	
Isopropylbenzene (Cumene)	ug/L	50	49.1	98	70-130	
m&p-Xylene	ug/L	100	95.0	95	70-130	
Methyl-tert-butyl ether	ug/L	50	44.4	89	70-130	
Methylene Chloride	ug/L	50	50.0	100	70-130	
o-Xylene	ug/L	50	47.5	95	70-130	
Styrene	ug/L	50	49.2	98	70-130	
Tetrachloroethene	ug/L	50	51.4	103	70-130	
Toluene	ug/L	50	47.4	95	80-120	
trans-1,2-Dichloroethene	ug/L	50	48.1	96	70-130	
trans-1,3-Dichloropropene	ug/L	50	46.7	93	70-130	
Trichloroethene	ug/L	50	49.0	98	70-130	
Trichlorofluoromethane	ug/L	50	50.6	101	65-160	
Vinyl chloride	ug/L	50	50.0	100	63-134	
Xylene (Total)	ug/L	150	143	95	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			102	70-130	

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QUALITY CONTROL DATA

Project: A221707 MADISON KIPP CORPORATI

Pace Project No.: 40244046

Parameter	Units	2386943		2386944		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40244046011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	53.8	51.6	108	103	70-134	4	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	43.5	41.7	87	83	61-135	4	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	49.5	46.5	99	93	70-130	6	20		
1,1,2-Trichlorotrifluoroethane	ug/L	<0.38	50	50	51.4	51.0	103	102	50-150	1	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	49.3	46.9	99	94	70-130	5	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	50.6	48.5	101	97	71-130	4	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	46.8	45.9	94	92	68-131	2	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	40.6	35.8	81	72	51-141	12	20		
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	47.4	45.5	95	91	70-130	4	20		
1,2-Dichlorobenzene	ug/L	<0.33	50	50	47.6	45.6	95	91	70-130	4	20		
1,2-Dichloroethane	ug/L	<0.29	50	50	50.6	48.2	101	96	70-137	5	20		
1,2-Dichloropropane	ug/L	<0.45	50	50	47.4	45.3	95	91	80-121	5	20		
1,3-Dichlorobenzene	ug/L	<0.35	50	50	50.8	49.1	102	98	70-130	3	20		
1,4-Dichlorobenzene	ug/L	<0.89	50	50	49.2	47.1	98	94	70-130	4	20		
Benzene	ug/L	<0.30	50	50	47.5	45.4	95	91	70-130	5	20		
Bromodichloromethane	ug/L	<0.42	50	50	50.0	48.9	100	98	70-130	2	20		
Bromoform	ug/L	<3.8	50	50	49.3	47.0	99	94	70-133	5	20		
Bromomethane	ug/L	<1.2	50	50	37.2	38.2	74	76	21-149	3	22		
Carbon disulfide	ug/L	<1.1	50	50	49.3	47.1	99	94	70-130	5	20		
Carbon tetrachloride	ug/L	<0.37	50	50	55.9	54.5	112	109	80-146	3	20		
Chlorobenzene	ug/L	<0.86	50	50	52.4	50.1	105	100	70-130	5	20		
Chloroethane	ug/L	<1.4	50	50	52.7	49.7	105	99	52-165	6	20		
Chloroform	ug/L	<1.2	50	50	52.0	50.0	104	100	80-123	4	20		
Chloromethane	ug/L	<1.6	50	50	51.0	51.3	102	103	42-125	1	20		
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	50.5	48.0	100	95	70-130	5	20		
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	48.4	46.5	97	93	70-130	4	20		
Dibromochloromethane	ug/L	<2.6	50	50	51.1	49.4	102	99	70-130	3	20		
Dichlorodifluoromethane	ug/L	<0.46	50	50	51.6	49.3	103	99	25-121	5	20		
Ethylbenzene	ug/L	<0.33	50	50	50.4	49.1	101	98	80-121	3	20		
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	50.4	49.8	101	100	70-130	1	20		
m&p-Xylene	ug/L	<0.70	100	100	100	95.8	100	96	70-130	4	20		
Methyl-tert-butyl ether	ug/L	<1.1	50	50	46.1	45.0	92	90	70-130	3	20		
Methylene Chloride	ug/L	<0.32	50	50	52.4	50.8	105	102	70-130	3	20		
o-Xylene	ug/L	<0.35	50	50	49.2	48.7	98	97	70-130	1	20		
Styrene	ug/L	<0.36	50	50	52.1	48.6	104	97	70-132	7	20		
Tetrachloroethene	ug/L	0.85J	50	50	53.0	51.5	104	101	70-130	3	20		
Toluene	ug/L	<0.29	50	50	49.1	48.1	98	96	80-120	2	20		
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	50.0	48.8	100	98	70-130	2	20		
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	49.7	47.9	99	96	70-130	4	20		
Trichloroethene	ug/L	1.5	50	50	52.7	51.3	102	100	70-130	3	20		
Trichlorofluoromethane	ug/L	<0.42	50	50	51.6	49.7	103	99	65-160	4	20		
Vinyl chloride	ug/L	<0.17	50	50	49.4	49.2	99	98	60-137	0	20		
Xylene (Total)	ug/L	<1.0	150	150	149	145	100	96	70-130	3	20		

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QUALITY CONTROL DATA

Project: A221707 MADISON KIPP CORPORATI

Pace Project No.: 40244046

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2386943		2386944		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40244046011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
1,2-Dichlorobenzene-d4 (S)	%					94	92	70-130			
4-Bromofluorobenzene (S)	%					99	95	70-130			
Toluene-d8 (S)	%					105	105	70-130			

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QUALITY CONTROL DATA

Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

QC Batch: 414464 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244046001, 40244046003, 40244046004, 40244046010, 40244046013, 40244046014

METHOD BLANK: 2386560 Matrix: Water
Associated Lab Samples: 40244046001, 40244046003, 40244046004, 40244046010, 40244046013, 40244046014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	04/29/22 16:21	

LABORATORY CONTROL SAMPLE: 2386561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	555	510	92	80-120	

SAMPLE DUPLICATE: 2386562

Parameter	Units	40244056004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1020	924	10	10	

SAMPLE DUPLICATE: 2386563

Parameter	Units	40244056005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	532	536	1	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: A221707 MADISON KIPP CORPORATI

Pace Project No.: 40244046

QC Batch: 414788

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244046006

METHOD BLANK: 2388196

Matrix: Water

Associated Lab Samples: 40244046006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	05/04/22 09:33	

LABORATORY CONTROL SAMPLE: 2388197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	555	490	88	80-120	

SAMPLE DUPLICATE: 2388198

Parameter	Units	40244055001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	766	744	3	10	

SAMPLE DUPLICATE: 2388199

Parameter	Units	40244190004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	350	326	7	10	

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.

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QUALITY CONTROL DATA

Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

QC Batch: 414382 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244046001, 40244046003, 40244046004, 40244046006, 40244046010, 40244046013, 40244046014

METHOD BLANK: 2385957 Matrix: Water
Associated Lab Samples: 40244046001, 40244046003, 40244046004, 40244046006, 40244046010, 40244046013, 40244046014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	04/28/22 16:23	

LABORATORY CONTROL SAMPLE: 2385958

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	108	108	80-120	

SAMPLE DUPLICATE: 2385959

Parameter	Units	40244019001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	360	353	2	10	

SAMPLE DUPLICATE: 2385960

Parameter	Units	40244027001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	382	396	4	10	

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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QUALIFIERS

Project: A221707 MADISON KIPP CORPORATI

Pace Project No.: 40244046

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, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

H5 Reanalysis conducted in excess of EPA method holding time. Results confirm original analysis performed in hold time.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: A221707 MADISON KIPP CORPORATI
Pace Project No.: 40244046

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40244046001	MW-3D-202204	EPA 8260	414403		
40244046002	MW-3D2-202204	EPA 8260	414403		
40244046005	MW-4D2-202204	EPA 8260	414403		
40244046007	MW-6D-202204	EPA 8260	414403		
40244046008	MW-9D2-202204	EPA 8260	414403		
40244046009	MW-17-202204	EPA 8260	414403		
40244046011	MW-27D-202204	EPA 8260	414403		
40244046012	DUP-01-202204	EPA 8260	414403		
40244046013	DUP-02-202204	EPA 8260	414403		
40244046014	FB-01-202204	EPA 8260	414403		
40244046001	MW-3D-202204	SM 2540C	414464		
40244046003	MW-4S-202204	SM 2540C	414464		
40244046004	MW-4D-202204	SM 2540C	414464		
40244046006	MW-6S-202204	SM 2540C	414788		
40244046010	MW-11S-202204	SM 2540C	414464		
40244046013	DUP-02-202204	SM 2540C	414464		
40244046014	FB-01-202204	SM 2540C	414464		
40244046001	MW-3D-202204	SM 2540D	414382		
40244046003	MW-4S-202204	SM 2540D	414382		
40244046004	MW-4D-202204	SM 2540D	414382		
40244046006	MW-6S-202204	SM 2540D	414382		
40244046010	MW-11S-202204	SM 2540D	414382		
40244046013	DUP-02-202204	SM 2540D	414382		
40244046014	FB-01-202204	SM 2540D	414382		

REPORT OF LABORATORY ANALYSIS

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SUBCONTRACT ORDER
Pace Analytical - Madison
A221707

4/24/2022

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 - Green Bay, WI
 1241 Bellevue St
 Green Bay, WI 54302
 Phone : (920) 469-2436
 Fax:

Turn around Time: _____ Normal
 _____ Rush

Project Name: Madison Kipp Corporation - Madison, WI

Analysis	Due	Expires	Laboratory ID	Comments
MW-3D-202204	Lab ID: A221707-01 Water	Sampled: 04/26/2022 14:44	001	
8260 WI Full List	05/10/2022 00:00	05/10/2022 14:44		Report to MDL-Report total xylenes
Subcontracted Analysis - Pace	05/10/2022 00:00	05/10/2022 14:44		Dissolved Solids, Total
2540D - Suspended Solids	05/10/2022 00:00	05/03/2022 14:44		
<i>Containers Supplied:</i>				

MW-3D2-202204	Lab ID: A221707-02 Water	Sampled: 04/26/2022 14:01	002	
8260 WI Full List	05/10/2022 00:00	05/10/2022 14:01		Report to MDL-Report total xylenes
<i>Containers Supplied:</i>				

MW-4S-202204	Lab ID: A221707-03 Water	Sampled: 04/25/2022 17:05	003	
2540D - Suspended Solids	05/10/2022 00:00	05/02/2022 17:05		
Subcontracted Analysis - Pace	05/10/2022 00:00	05/09/2022 17:05		Dissolved Solids, Total
<i>Containers Supplied:</i>				

MW-4D-202204	Lab ID: A221707-04 Water	Sampled: 04/25/2022 15:59	004	
2540D - Suspended Solids	05/10/2022 00:00	05/02/2022 15:59		
Subcontracted Analysis - Pace	05/10/2022 00:00	05/09/2022 15:59		Dissolved Solids, Total
<i>Containers Supplied:</i>				

MW-4D2-202204	Lab ID: A221707-05 Water	Sampled: 04/25/2022 15:35	005	
8260 WI Full List	05/10/2022 00:00	05/09/2022 15:35		Report to MDL-Report total xylenes
<i>Containers Supplied:</i>				

<i>Romedan</i>	04/27/22 @ 1400		
Released By	Date	Received By	Date
<i>CS Logistics</i>	4/28/22 0820	<i>Allen</i>	4/28/22 0820
Released By	Date	Received By	Date



SUBCONTRACT ORDER
 Pace Analytical - Madison
 A221707

Handwritten signature

Analysis	Due	Expires	Laboratory ID	Comments
MW-6S-202204	Lab ID: A221707-06 Water	Sampled: 04/25/2022 13:35	006	
Subcontracted Analysis - Pace	05/10/2022 00:00	05/09/2022 13:35		Dissolved Solids, Total
2540D - Suspended Solids	05/10/2022 00:00	05/02/2022 13:35		
<i>Containers Supplied:</i>				
MW-6D-202204	Lab ID: A221707-07 Water	Sampled: 04/25/2022 13:34	007	
8260 WI Full List	05/10/2022 00:00	05/09/2022 13:34		Report to MDL-Report total xylenes
<i>Containers Supplied:</i>				
MW-9D2-202204	Lab ID: A221707-08 Water	Sampled: 04/26/2022 11:11	008	
8260 WI Full List	05/10/2022 00:00	05/10/2022 11:11		Report to MDL-Report total xylenes
<i>Containers Supplied:</i>				
MW-17-202204	Lab ID: A221707-09 Water	Sampled: 04/25/2022 12:08	009	
8260 WI Full List	05/10/2022 00:00	05/09/2022 12:08		Report to MDL-Report total xylenes
<i>Containers Supplied:</i>				
MW-11S-202204	Lab ID: A221707-10 Water	Sampled: 04/26/2022 11:55	010	
2540D - Suspended Solids	05/10/2022 00:00	05/03/2022 11:55		
Subcontracted Analysis - Pace	05/10/2022 00:00	05/10/2022 11:55		Dissolved Solids, Total
<i>Containers Supplied:</i>				
MW-27D-202204	Lab ID: A221707-11 Water	Sampled: 04/25/2022 10:04	011	
8260 WI Full List	05/10/2022 00:00	05/09/2022 10:04		Report to MDL-Report total xylenes
<i>Containers Supplied:</i>				
DUP-01-202204	Lab ID: A221707-12 Water	Sampled: 04/25/2022 00:00	012	
8260 WI Full List	05/10/2022 00:00	05/09/2022 00:00		Report to MDL-Report total xylenes
<i>Containers Supplied:</i>				

Ramada 04/27/22 @ 1400

Released By	Date	Received By	Date
<i>CS Logistics</i>	<i>4/28/22</i>	<i>Allen</i>	<i>4/28/22</i>
Released By	Date	Received By	Date



SUBCONTRACT ORDER
 Pace Analytical - Madison
 A221707

UPD44046

Analysis	Due	Expires	Laboratory ID	Comments
DUP-02-202204	Lab ID: A221707-13	Water	Sampled: 04/26/2022 00:00	013
2540D - Suspended Solids	05/10/2022 00:00	05/03/2022 00:00		
8260 WI Full List	05/10/2022 00:00	05/10/2022 00:00		Report to MDL-Report total xylenes
Subcontracted Analysis - Pace	05/10/2022 00:00	05/10/2022 00:00		Dissolved Solids, Total
<i>Containers Supplied:</i>				
FB-01-202204	Lab ID: A221707-14	Water	Sampled: 04/26/2022 16:30	014
Subcontracted Analysis - Pace	05/10/2022 00:00	05/10/2022 16:30		Dissolved Solids, Total
2540D - Suspended Solids	05/10/2022 00:00	05/03/2022 16:30		
8260 WI Full List	05/10/2022 00:00	05/10/2022 16:30		Report to MDL-Report total xylenes
<i>Containers Supplied:</i>				

Released By: Romanon Date: 04/27/22 @ 1400
 Received By: _____ Date: _____
 Released By: CS Logistics Date: 4/28/22 0820
 Received By: Allen Date: 4/28/22 0820

Sample Condition Upon Receipt Form (SCUR)

Client Name: Pace Madison

Project #:

WO#: **40244046**

Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____



Tracking #: _____

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 - 110 Type of Ice: Wet Blue Dry None

Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 4 / Corr: 4

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:

Date: 4/28/22 Initials: MS

Labeled By Initials: MH

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	4. <u>10WU</u> <u>MS 4/28/22</u>
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
-Pace IR Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

May 10, 2022

Andrew Stehn
TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison, WI 53717
RE: Madison Kipp Corporation - Madison, WI

Enclosed are the analytical results for the samples received by the laboratory on 04/29/2022.

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

Certification List	Expires
ILEPA Illinois Secondary NELAP Accreditation 004366	04/30/2022
KDHE Kansas Secondary NELAP Accreditation E-10384	04/30/2022
LELAP Louisiana Primary NELAP Accreditation 04165	06/30/2022
NJDEP New Jersey Secondary NELAP Accreditation WI004	06/30/2022
NYDOH New York Department of Health 12110	04/01/2022
TCEQ Texas Secondary NELAP Accreditation T104704504-20-11	11/30/2022
WDNR Wisconsin Certification under NR 149 113289110	08/31/2022

TRC Environmental Corporation, Inc.
 708 Heartland Trail, Ste 3000
 Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
 Project Number: 470140
 Project Manager: Andrew Stehn

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2D-202204	A221723-01	Water	04/28/2022	04/29/2022
MW-29S-202204	A221723-02	Water	04/28/2022	04/29/2022
MW-29D-202204	A221723-03	Water	04/28/2022	04/29/2022
MW-24-202204	A221723-04	Water	04/28/2022	04/29/2022
MW-28-202204	A221723-05	Water	04/28/2022	04/29/2022
Trip Blank-202204-2	A221723-06	Water	04/28/2022	04/29/2022

CASE NARRATIVE

Sample Receipt Information:

6 samples were received on 04/29/2022. Samples were received in acceptable condition.

VOC and TSS/TDS 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.

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-2D-202204
A221723-01 (Water)

Date Sampled
04/28/2022 16:22

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61148

1,1,1,2-Tetrachloroethane	ND	0.36	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,1,1-Trichloroethane	ND	0.30	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.38	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,1,2-Trichloroethane	ND	0.34	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.38	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,1-Dichloroethane	ND	0.30	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,1-Dichloroethene	ND	0.58	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,1-Dichloropropene	ND	0.41	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,2,3-Trichlorobenzene	ND	1.0	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,2,3-Trichloropropane	ND	0.56	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.45	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	2.4	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.31	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,2-Dichlorobenzene	ND	0.33	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,2-Dichloroethane	ND	0.29	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,2-Dichloropropane	ND	0.45	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.36	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,3-Dichlorobenzene	ND	0.35	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,3-Dichloropropane	ND	0.30	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
1,4-Dichlorobenzene	ND	0.89	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
2,2-Dichloropropane	ND	4.2	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
2-Butanone (MEK)	ND	6.5	25.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
2-Chlorotoluene	ND	0.89	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
2-Hexanone	ND	6.3	25.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
4-Chlorotoluene	ND	0.89	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	6.0	25.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Acetone	ND	8.6	25.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Benzene	ND	0.30	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Bromobenzene	ND	0.36	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Bromodichloromethane	ND	0.42	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Bromoform	ND	3.8	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Bromomethane	ND	1.2	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Carbon disulfide	ND	1.1	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Carbon tetrachloride	ND	0.37	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Chlorobenzene	ND	0.86	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Chloroethane	5.4	1.4	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Chloroform	ND	1.2	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Chloromethane	ND	1.6	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
cis-1,2-Dichloroethene	ND	0.47	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
cis-1,3-Dichloropropene	ND	0.36	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Dibromochloromethane	ND	2.6	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Dibromomethane	ND	0.99	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-2D-202204

Date Sampled

A221723-01 (Water)

04/28/2022 16:22

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61148

Dichlorodifluoromethane	ND	0.46	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Diisopropyl ether	ND	1.1	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Ethylbenzene	ND	0.33	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Hexachloro-1,3-butadiene	ND	2.7	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Isopropylbenzene (Cumene)	ND	1.0	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
m&p-Xylene	ND	0.70	2.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Methylene Chloride	ND	0.32	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Methyl-tert-butyl ether	ND	1.1	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Naphthalene	ND	1.1	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
n-Butylbenzene	ND	0.86	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
n-Hexane	ND	1.5	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
n-Propylbenzene	ND	0.35	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
o-Xylene	ND	0.35	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
p-Isopropyltoluene	ND	1.0	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
sec-Butylbenzene	ND	0.42	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Styrene	ND	0.36	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
tert-Butylbenzene	ND	0.59	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Tetrachloroethene	5.0	0.41	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Tetrahydrofuran	ND	2.4	25.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Toluene	ND	0.29	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
trans-1,2-Dichloroethene	ND	0.53	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
trans-1,3-Dichloropropene	ND	3.5	5.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Trichloroethene	ND	0.32	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Trichlorofluoromethane	ND	0.42	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	
Xylene (Total)	ND	1.0	3.0	ug/L	1	05/06/2022	05/06/2022 14:26	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-29S-202204

Date Sampled

A221723-02 (Water)

04/28/2022 11:39

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A205143

PCB-1016	ND	0.0072	0.12	ug/L	1	05/02/2022	05/04/2022 08:26	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 08:26	EPA 8082A	
PCB-1232	ND	0.0042	0.12	ug/L	1	05/02/2022	05/04/2022 08:26	EPA 8082A	
PCB-1242	ND	0.013	0.12	ug/L	1	05/02/2022	05/04/2022 08:26	EPA 8082A	
PCB-1248	ND	0.011	0.12	ug/L	1	05/02/2022	05/04/2022 08:26	EPA 8082A	
PCB-1254	ND	0.010	0.12	ug/L	1	05/02/2022	05/04/2022 08:26	EPA 8082A	
PCB-1260	ND	0.012	0.12	ug/L	1	05/02/2022	05/04/2022 08:26	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 08:26	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			75.8 %	29.5-138		05/02/2022	05/04/2022 08:26	EPA 8082A	
Surrogate: Decachlorobiphenyl			81.5 %	30.1-143		05/02/2022	05/04/2022 08:26	EPA 8082A	

Pace Analytical-Green Bay, WI

SM 2540C

Preparation Batch: WET 46145

Total Dissolved Solids	524	8.7	20.0	mg/L	1	05/04/2022	05/04/2022 09:36	SM 2540C	
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SM 2540D

Preparation Batch: WET 46127

Total Suspended Solids	ND	0.95	2.0	mg/L	1	05/03/2022	05/03/2022 09:23	SM 2540D	
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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-29D-202204

Date Sampled

A221723-03 (Water)

04/28/2022 13:38

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A205143

PCB-1016	ND	0.0072	0.12	ug/L	1	05/02/2022	05/04/2022 08:52	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 08:52	EPA 8082A	
PCB-1232	ND	0.0042	0.12	ug/L	1	05/02/2022	05/04/2022 08:52	EPA 8082A	
PCB-1242	ND	0.013	0.12	ug/L	1	05/02/2022	05/04/2022 08:52	EPA 8082A	
PCB-1248	ND	0.011	0.12	ug/L	1	05/02/2022	05/04/2022 08:52	EPA 8082A	
PCB-1254	ND	0.010	0.12	ug/L	1	05/02/2022	05/04/2022 08:52	EPA 8082A	
PCB-1260	ND	0.012	0.12	ug/L	1	05/02/2022	05/04/2022 08:52	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 08:52	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>			72.0 %	29.5-138		05/02/2022	05/04/2022 08:52	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl</i>			74.7 %	30.1-143		05/02/2022	05/04/2022 08:52	EPA 8082A	

Pace Analytical-Green Bay, WI

SM 2540C

Preparation Batch: WET 46145

Total Dissolved Solids	3430	8.7	20.0	mg/L	1	05/04/2022	05/04/2022 09:36	SM 2540C	
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SM 2540D

Preparation Batch: WET 46127

Total Suspended Solids	8.6	0.95	2.0	mg/L	1	05/03/2022	05/03/2022 09:23	SM 2540D	
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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-24-202204

Date Sampled

A221723-04 (Water)

04/28/2022 10:45

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A205143

PCB-1016	ND	0.0072	0.12	ug/L	1	05/02/2022	05/04/2022 09:19	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 09:19	EPA 8082A	
PCB-1232	ND	0.0042	0.12	ug/L	1	05/02/2022	05/04/2022 09:19	EPA 8082A	
PCB-1242	ND	0.013	0.12	ug/L	1	05/02/2022	05/04/2022 09:19	EPA 8082A	
PCB-1248	ND	0.011	0.12	ug/L	1	05/02/2022	05/04/2022 09:19	EPA 8082A	
PCB-1254	ND	0.010	0.12	ug/L	1	05/02/2022	05/04/2022 09:19	EPA 8082A	
PCB-1260	ND	0.012	0.12	ug/L	1	05/02/2022	05/04/2022 09:19	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 09:19	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			75.7 %	29.5-138		05/02/2022	05/04/2022 09:19	EPA 8082A	
Surrogate: Decachlorobiphenyl			77.2 %	30.1-143		05/02/2022	05/04/2022 09:19	EPA 8082A	

Pace Analytical-Green Bay, WI

SM 2540C

Preparation Batch: WET 46145

Total Dissolved Solids	350	8.7	20.0	mg/L	1	05/04/2022	05/04/2022 09:36	SM 2540C	
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SM 2540D

Preparation Batch: WET 46127

Total Suspended Solids	1.4	0.95	2.0	mg/L	1	05/03/2022	05/03/2022 09:23	SM 2540D	J
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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

MW-28-202204

Date Sampled

A221723-05 (Water)

04/28/2022 14:49

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A205143

PCB-1016	ND	0.0072	0.12	ug/L	1	05/02/2022	05/04/2022 10:38	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 10:38	EPA 8082A	
PCB-1232	ND	0.0042	0.12	ug/L	1	05/02/2022	05/04/2022 10:38	EPA 8082A	
PCB-1242	ND	0.013	0.12	ug/L	1	05/02/2022	05/04/2022 10:38	EPA 8082A	
PCB-1248	ND	0.011	0.12	ug/L	1	05/02/2022	05/04/2022 10:38	EPA 8082A	
PCB-1254	ND	0.010	0.12	ug/L	1	05/02/2022	05/04/2022 10:38	EPA 8082A	
PCB-1260	ND	0.012	0.12	ug/L	1	05/02/2022	05/04/2022 10:38	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 10:38	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>			83.7 %	29.5-138		05/02/2022	05/04/2022 10:38	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl</i>			86.0 %	30.1-143		05/02/2022	05/04/2022 10:38	EPA 8082A	

Pace Analytical-Green Bay, WI

SM 2540C

Preparation Batch: WET 46145

Total Dissolved Solids	1320	8.7	20.0	mg/L	1	05/04/2022	05/04/2022 09:37	SM 2540C	
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SM 2540D

Preparation Batch: WET 46127

Total Suspended Solids	1.2	0.95	2.0	mg/L	1	05/03/2022	05/03/2022 09:23	SM 2540D	J
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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

Trip Blank-202204-2

Date Sampled

A221723-06 (Water)

04/28/2022 00:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61146

1,1,1,2-Tetrachloroethane	ND	0.36	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,1,1-Trichloroethane	ND	0.30	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.38	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,1,2-Trichloroethane	ND	0.34	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.38	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,1-Dichloroethane	ND	0.30	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,1-Dichloroethene	ND	0.58	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,1-Dichloropropene	ND	0.41	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,2,3-Trichlorobenzene	ND	1.0	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,2,3-Trichloropropane	ND	0.56	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.45	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	2.4	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.31	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,2-Dichlorobenzene	ND	0.33	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,2-Dichloroethane	ND	0.29	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,2-Dichloropropane	ND	0.45	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.36	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,3-Dichlorobenzene	ND	0.35	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,3-Dichloropropane	ND	0.30	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
1,4-Dichlorobenzene	ND	0.89	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
2,2-Dichloropropane	ND	4.2	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
2-Butanone (MEK)	ND	6.5	25.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
2-Chlorotoluene	ND	0.89	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
2-Hexanone	ND	6.3	25.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
4-Chlorotoluene	ND	0.89	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	6.0	25.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Acetone	ND	8.6	25.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	1q
Benzene	ND	0.30	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Bromobenzene	ND	0.36	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Bromodichloromethane	ND	0.42	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Bromoform	ND	3.8	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Bromomethane	ND	1.2	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Carbon disulfide	ND	1.1	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Carbon tetrachloride	ND	0.37	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Chlorobenzene	ND	0.86	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Chloroethane	ND	1.4	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Chloroform	ND	1.2	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Chloromethane	ND	1.6	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
cis-1,2-Dichloroethene	ND	0.47	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
cis-1,3-Dichloropropene	ND	0.36	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Dibromochloromethane	ND	2.6	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Dibromomethane	ND	0.99	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

Trip Blank-202204-2

Date Sampled

A221723-06 (Water)

04/28/2022 00:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical-Green Bay, WI

EPA 8260

Preparation Batch: MSV 61146

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dichlorodifluoromethane	ND	0.46	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Diisopropyl ether	ND	1.1	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Ethylbenzene	ND	0.33	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Hexachloro-1,3-butadiene	ND	2.7	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Isopropylbenzene (Cumene)	ND	1.0	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
m&p-Xylene	ND	0.70	2.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Methylene Chloride	ND	0.32	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Methyl-tert-butyl ether	ND	1.1	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Naphthalene	ND	1.1	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
n-Butylbenzene	ND	0.86	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
n-Hexane	ND	1.5	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
n-Propylbenzene	ND	0.35	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
o-Xylene	ND	0.35	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
p-Isopropyltoluene	ND	1.0	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
sec-Butylbenzene	ND	0.42	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Styrene	ND	0.36	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
tert-Butylbenzene	ND	0.59	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Tetrachloroethene	ND	0.41	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Tetrahydrofuran	ND	2.4	25.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Toluene	ND	0.29	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
trans-1,2-Dichloroethene	ND	0.53	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
trans-1,3-Dichloropropene	ND	3.5	5.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Trichloroethene	ND	0.32	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Trichlorofluoromethane	ND	0.42	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	
Xylene (Total)	ND	1.0	3.0	ug/L	1	05/05/2022	05/05/2022 10:06	EPA 8260	

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
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
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Batch A205143 - EPA 3511

Blank (A205143-BLK1)

Prepared: 05/02/2022 Analyzed: 05/04/2022 01:22

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: Tetrachloro-meta-xylene	0.583		ug/L	0.7500		77.7	29.5-138			
Surrogate: Decachlorobiphenyl	0.669		ug/L	0.7500		89.2	30.1-143			

LCS (A205143-BS1)

Prepared: 05/02/2022 Analyzed: 05/04/2022 00:56

PCB-1254	9.10	0.12	ug/L	12.44		73.2	70-130			
Surrogate: Tetrachloro-meta-xylene	0.522		ug/L	0.7463		70.0	29.5-138			
Surrogate: Decachlorobiphenyl	0.626		ug/L	0.7463		83.9	30.1-143			

Matrix Spike (A205143-MS1)

Source: A221723-04

Prepared: 05/02/2022 Analyzed: 05/04/2022 09:45

PCB-1254	9.13	0.13	ug/L	12.50	ND	73.1	60-140			
Surrogate: Tetrachloro-meta-xylene	0.593		ug/L	0.7500		79.1	29.5-138			
Surrogate: Decachlorobiphenyl	0.604		ug/L	0.7500		80.6	30.1-143			

Matrix Spike Dup (A205143-MSD1)

Source: A221723-04

Prepared: 05/02/2022 Analyzed: 05/04/2022 10:12

PCB-1254	9.35	0.12	ug/L	12.47	ND	75.0	60-140	2.31	20	
Surrogate: Tetrachloro-meta-xylene	0.597		ug/L	0.7481		79.8	29.5-138			
Surrogate: Decachlorobiphenyl	0.629		ug/L	0.7481		84.1	30.1-143			

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 470140
Project Manager: Andrew Stehn

Notes and Definitions

- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
- lq Analyte recovery in the continuing calibration verification (CCV) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference
- Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.



CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

A221723

ALL SHADED AREAS are for LAB USE ONLY

Company: **TRC Env. - Madison**

Billing Information:

Address: **708 Heartland Tr. Ste 3000**

Report To: **Andy Stehn**

Copy To: **Wesley Braeger**

Email To: **astehn@trccompany.com**

Customer Project Name/Number: **Madison Kipp Corp / 470140**

Site Collection Info/Address: **Madison Kipp Corp**

Phone: **608-234-7374**

State: **WI** County/City: **Madison** Time Zone Collected: **[] PT [] MT [] CT [] ET**

Site/Facility ID #: **180318**

Compliance Monitoring? **[] Yes [] No**

Collected By (print): **Wesley Braeger**

Purchase Order #: **180318** Quote #:

DW PWS ID #: **180318** DW Location Code:

Collected By (signature): **Wesley Braeger**

Turnaround Date Required:

Immediately Packed on Ice: **[] Yes [] No**

Sample Disposal: **[] Dispose as appropriate [] Return [] Archive: [] Hold:**

Rush: **[] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day (Expedite Charges Apply)**

Field Filtered (if applicable): **[] Yes [] No** Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns	VOCs	PCBs	TAS	TSS
			Date	Time	Date	Time						
MW-20-202204	GW	G	4/28/22	1622				3	X			
MW-295-202204	GW	G	4/28/22	1139				4		X	X	X
MW-290-202204	GW	G	4/28/22	1338				4		X	X	X
MW-24-202204	GW	G	4/28/22	1045				8		X	X	X
MW-28-202204	GW	G	4/28/22	1449				4		X	X	X
Trip Blank	W	-	-	-				1	X			

Container Preservative Type **

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact **(X) N NA**

Custody Signatures Present **(X) N NA**

Collector Signature Present **(X) N NA**

Bottles Intact **(X) N NA**

Correct Bottles **(X) N NA**

Sufficient Volume **(X) N NA**

Samples Received on Ice **(X) N NA**

VOA - Headspace Acceptable **(X) N NA**

USDA Regulated Soils **(X) N NA**

Samples in Holding Time **(X) N NA**

Residual Chlorine Present **(X) N NA**

Cl Strips: **(X) N NA**

Sample pH Acceptable **(X) N NA**

pH Strips: **(X) N NA**

Sulfide Present **(X) N NA**

Lead Acetate Strips: **(X) N NA**

LAB USE ONLY: Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: **Wet Blue Dry None**

SHORT HOLDS PRESENT (<72 hours): **Y N N/A**

Lab Sample Temperature Info:

Packing Material Used:

Lab Tracking #: **2660230**

Samples received via: **FEDEX UPS Client Courier Pace Courier**

Temp Blank Received: **(X) N NA**

Relinquished by/Company: (Signature) **Wesley Braeger**

Date/Time: **4/29/22 1410**

Received by/Company: (Signature) **Jessica...**

Date/Time: **04-29-22 1410**

MTJL LAB USE ONLY

Therm ID#: **161P2278**

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Table #:

Cooler 1 Temp Upon Receipt: **3.1** oC

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Acctnum:

Cooler 1 Therm Corr. Factor: **1** oC

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Template:

Cooler 1 Corrected Temp: **1** oC

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Prelogin:

Comments:

PM:

PB:

Non Conformance(s): **YES / NO**

Page: **1** of: **1**

Page: **1** of: **1**

Page: **1** of: **1**

May 09, 2022

Jessica Esser
Pace Analytical Madison
2525 Advance Road
Madison, WI 53718

RE: Project: A221723 MADISON KIPP CORP
Pace Project No.: 40244190

Dear Jessica Esser:

Enclosed are the analytical results for sample(s) received by the laboratory on April 30, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: A221723 MADISON KIPP CORP

Pace Project No.: 40244190

Pace Analytical Services Green Bay

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: A221723 MADISON KIPP CORP
Pace Project No.: 40244190

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40244190001	MW-2D-202204	Water	04/28/22 16:22	04/30/22 07:45
40244190002	MW-29S-202204	Water	04/28/22 11:39	04/30/22 07:45
40244190003	MW-29D-202204	Water	04/28/22 13:38	04/30/22 07:45
40244190004	MW-24-202204	Water	04/28/22 10:45	04/30/22 07:45
40244190005	MW-28-202204	Water	04/28/22 14:49	04/30/22 07:45
40244190006	TRIP BLANK-202204-2	Water	04/28/22 00:00	04/30/22 07:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: A221723 MADISON KIPP CORP
Pace Project No.: 40244190

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40244190001	MW-2D-202204	EPA 8260	JAV	73
40244190002	MW-29S-202204	SM 2540C	SRK	1
		SM 2540D	SRK	1
40244190003	MW-29D-202204	SM 2540C	SRK	1
		SM 2540D	SRK	1
40244190004	MW-24-202204	SM 2540C	SRK	1
		SM 2540D	SRK	1
40244190005	MW-28-202204	SM 2540C	SRK	1
		SM 2540D	SRK	1
40244190006	TRIP BLANK-202204-2	EPA 8260	LAP	73

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: A221723 MADISON KIPP CORP

Pace Project No.: 40244190

Sample: MW-2D-202204 **Lab ID: 40244190001** Collected: 04/28/22 16:22 Received: 04/30/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		05/06/22 14:26	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/06/22 14:26	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		05/06/22 14:26	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		05/06/22 14:26	79-00-5	
1,1,2-Trichlorotrifluoroethane	<0.38	ug/L	5.0	0.38	1		05/06/22 14:26	76-13-1	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/06/22 14:26	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/06/22 14:26	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		05/06/22 14:26	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		05/06/22 14:26	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		05/06/22 14:26	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/06/22 14:26	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/06/22 14:26	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		05/06/22 14:26	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		05/06/22 14:26	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		05/06/22 14:26	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		05/06/22 14:26	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		05/06/22 14:26	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/06/22 14:26	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		05/06/22 14:26	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		05/06/22 14:26	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		05/06/22 14:26	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		05/06/22 14:26	594-20-7	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		05/06/22 14:26	78-93-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		05/06/22 14:26	95-49-8	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		05/06/22 14:26	591-78-6	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		05/06/22 14:26	106-43-4	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		05/06/22 14:26	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		05/06/22 14:26	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		05/06/22 14:26	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		05/06/22 14:26	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/06/22 14:26	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		05/06/22 14:26	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		05/06/22 14:26	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		05/06/22 14:26	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		05/06/22 14:26	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		05/06/22 14:26	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		05/06/22 14:26	108-90-7	
Chloroethane	5.4	ug/L	5.0	1.4	1		05/06/22 14:26	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		05/06/22 14:26	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		05/06/22 14:26	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		05/06/22 14:26	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		05/06/22 14:26	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		05/06/22 14:26	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		05/06/22 14:26	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/06/22 14:26	100-41-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: A221723 MADISON KIPP CORP
Pace Project No.: 40244190

Sample: MW-2D-202204 Lab ID: 40244190001 Collected: 04/28/22 16:22 Received: 04/30/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		05/06/22 14:26	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		05/06/22 14:26	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		05/06/22 14:26	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		05/06/22 14:26	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		05/06/22 14:26	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		05/06/22 14:26	100-42-5	
Tetrachloroethene	5.0	ug/L	1.0	0.41	1		05/06/22 14:26	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		05/06/22 14:26	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		05/06/22 14:26	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/06/22 14:26	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		05/06/22 14:26	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/06/22 14:26	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/06/22 14:26	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		05/06/22 14:26	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		05/06/22 14:26	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/06/22 14:26	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		05/06/22 14:26	104-51-8	
n-Hexane	<1.5	ug/L	5.0	1.5	1		05/06/22 14:26	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		05/06/22 14:26	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/06/22 14:26	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		05/06/22 14:26	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		05/06/22 14:26	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		05/06/22 14:26	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		05/06/22 14:26	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		05/06/22 14:26	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/06/22 14:26	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		05/06/22 14:26	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		05/06/22 14:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: A221723 MADISON KIPP CORP

Pace Project No.: 40244190

Sample: MW-29S-202204 **Lab ID: 40244190002** Collected: 04/28/22 11:39 Received: 04/30/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	524	mg/L	20.0	8.7	1		05/04/22 09:36		
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Green Bay								
Total Suspended Solids	<0.95	mg/L	2.0	0.95	1		05/03/22 09:23		

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ANALYTICAL RESULTS

Project: A221723 MADISON KIPP CORP

Pace Project No.: 40244190

Sample: MW-29D-202204 **Lab ID: 40244190003** Collected: 04/28/22 13:38 Received: 04/30/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	3430	mg/L	20.0	8.7	1		05/04/22 09:36		
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Green Bay								
Total Suspended Solids	8.6	mg/L	2.0	0.95	1		05/03/22 09:23		

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ANALYTICAL RESULTS

Project: A221723 MADISON KIPP CORP

Pace Project No.: 40244190

Sample: MW-24-202204 **Lab ID: 40244190004** Collected: 04/28/22 10:45 Received: 04/30/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	350	mg/L	20.0	8.7	1		05/04/22 09:36		
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Green Bay								
Total Suspended Solids	1.4J	mg/L	2.0	0.95	1		05/03/22 09:23		

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ANALYTICAL RESULTS

Project: A221723 MADISON KIPP CORP
Pace Project No.: 40244190

Sample: MW-28-202204 **Lab ID: 40244190005** Collected: 04/28/22 14:49 Received: 04/30/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	1320	mg/L	20.0	8.7	1		05/04/22 09:37		
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Green Bay								
Total Suspended Solids	1.2J	mg/L	2.0	0.95	1		05/03/22 09:23		

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ANALYTICAL RESULTS

Project: A221723 MADISON KIPP CORP
Pace Project No.: 40244190

Sample: TRIP BLANK-202204-2 **Lab ID: 40244190006** Collected: 04/28/22 00:00 Received: 04/30/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		05/05/22 10:06	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/05/22 10:06	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		05/05/22 10:06	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		05/05/22 10:06	79-00-5	
1,1,2-Trichlorotrifluoroethane	<0.38	ug/L	5.0	0.38	1		05/05/22 10:06	76-13-1	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/05/22 10:06	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/05/22 10:06	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		05/05/22 10:06	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		05/05/22 10:06	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		05/05/22 10:06	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/05/22 10:06	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/05/22 10:06	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		05/05/22 10:06	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		05/05/22 10:06	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		05/05/22 10:06	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		05/05/22 10:06	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		05/05/22 10:06	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/05/22 10:06	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		05/05/22 10:06	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		05/05/22 10:06	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		05/05/22 10:06	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		05/05/22 10:06	594-20-7	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		05/05/22 10:06	78-93-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		05/05/22 10:06	95-49-8	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		05/05/22 10:06	591-78-6	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		05/05/22 10:06	106-43-4	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		05/05/22 10:06	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		05/05/22 10:06	67-64-1	1q
Benzene	<0.30	ug/L	1.0	0.30	1		05/05/22 10:06	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		05/05/22 10:06	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/05/22 10:06	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		05/05/22 10:06	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		05/05/22 10:06	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		05/05/22 10:06	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		05/05/22 10:06	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		05/05/22 10:06	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		05/05/22 10:06	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		05/05/22 10:06	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		05/05/22 10:06	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		05/05/22 10:06	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		05/05/22 10:06	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		05/05/22 10:06	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		05/05/22 10:06	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		05/05/22 10:06	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/05/22 10:06	100-41-4	

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ANALYTICAL RESULTS

Project: A221723 MADISON KIPP CORP

Pace Project No.: 40244190

Sample: TRIP BLANK-202204-2 Lab ID: 40244190006 Collected: 04/28/22 00:00 Received: 04/30/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		05/05/22 10:06	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		05/05/22 10:06	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		05/05/22 10:06	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		05/05/22 10:06	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		05/05/22 10:06	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		05/05/22 10:06	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/05/22 10:06	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		05/05/22 10:06	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		05/05/22 10:06	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/05/22 10:06	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		05/05/22 10:06	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/05/22 10:06	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/05/22 10:06	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		05/05/22 10:06	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		05/05/22 10:06	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/05/22 10:06	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		05/05/22 10:06	104-51-8	
n-Hexane	<1.5	ug/L	5.0	1.5	1		05/05/22 10:06	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		05/05/22 10:06	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/05/22 10:06	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		05/05/22 10:06	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		05/05/22 10:06	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		05/05/22 10:06	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		05/05/22 10:06	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		05/05/22 10:06	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-130		1		05/05/22 10:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		05/05/22 10:06	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		05/05/22 10:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: A221723 MADISON KIPP CORP
Pace Project No.: 40244190

QC Batch: 414759 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244190006

METHOD BLANK: 2388014 Matrix: Water
Associated Lab Samples: 40244190006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	05/05/22 06:47	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	05/05/22 06:47	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	05/05/22 06:47	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	05/05/22 06:47	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.38	5.0	05/05/22 06:47	
1,1-Dichloroethane	ug/L	<0.30	1.0	05/05/22 06:47	
1,1-Dichloroethene	ug/L	<0.58	1.0	05/05/22 06:47	
1,1-Dichloropropane	ug/L	<0.41	1.0	05/05/22 06:47	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	05/05/22 06:47	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	05/05/22 06:47	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/05/22 06:47	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	05/05/22 06:47	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	05/05/22 06:47	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	05/05/22 06:47	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	05/05/22 06:47	
1,2-Dichloroethane	ug/L	<0.29	1.0	05/05/22 06:47	
1,2-Dichloropropane	ug/L	<0.45	1.0	05/05/22 06:47	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	05/05/22 06:47	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	05/05/22 06:47	
1,3-Dichloropropane	ug/L	<0.30	1.0	05/05/22 06:47	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	05/05/22 06:47	
2,2-Dichloropropane	ug/L	<4.2	5.0	05/05/22 06:47	
2-Butanone (MEK)	ug/L	<6.5	25.0	05/05/22 06:47	
2-Chlorotoluene	ug/L	<0.89	5.0	05/05/22 06:47	
2-Hexanone	ug/L	<6.3	25.0	05/05/22 06:47	
4-Chlorotoluene	ug/L	<0.89	5.0	05/05/22 06:47	
4-Methyl-2-pentanone (MIBK)	ug/L	<6.0	25.0	05/05/22 06:47	
Acetone	ug/L	<8.6	25.0	05/05/22 06:47	1q
Benzene	ug/L	<0.30	1.0	05/05/22 06:47	
Bromobenzene	ug/L	<0.36	1.0	05/05/22 06:47	
Bromochloromethane	ug/L	<0.36	5.0	05/05/22 06:47	
Bromodichloromethane	ug/L	<0.42	1.0	05/05/22 06:47	
Bromoform	ug/L	<3.8	5.0	05/05/22 06:47	
Bromomethane	ug/L	<1.2	5.0	05/05/22 06:47	
Carbon disulfide	ug/L	<1.1	5.0	05/05/22 06:47	
Carbon tetrachloride	ug/L	<0.37	1.0	05/05/22 06:47	
Chlorobenzene	ug/L	<0.86	1.0	05/05/22 06:47	
Chloroethane	ug/L	<1.4	5.0	05/05/22 06:47	
Chloroform	ug/L	<1.2	5.0	05/05/22 06:47	
Chloromethane	ug/L	<1.6	5.0	05/05/22 06:47	

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QUALITY CONTROL DATA

Project: A221723 MADISON KIPP CORP
Pace Project No.: 40244190

METHOD BLANK: 2388014 Matrix: Water
Associated Lab Samples: 40244190006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	05/05/22 06:47	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	05/05/22 06:47	
Dibromochloromethane	ug/L	<2.6	5.0	05/05/22 06:47	
Dibromomethane	ug/L	<0.99	5.0	05/05/22 06:47	
Dichlorodifluoromethane	ug/L	<0.46	5.0	05/05/22 06:47	
Diisopropyl ether	ug/L	<1.1	5.0	05/05/22 06:47	
Ethylbenzene	ug/L	<0.33	1.0	05/05/22 06:47	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	05/05/22 06:47	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	05/05/22 06:47	
m&p-Xylene	ug/L	<0.70	2.0	05/05/22 06:47	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	05/05/22 06:47	
Methylene Chloride	ug/L	<0.32	5.0	05/05/22 06:47	
n-Butylbenzene	ug/L	<0.86	1.0	05/05/22 06:47	
n-Hexane	ug/L	<1.5	5.0	05/05/22 06:47	
n-Propylbenzene	ug/L	<0.35	1.0	05/05/22 06:47	
Naphthalene	ug/L	<1.1	5.0	05/05/22 06:47	
o-Xylene	ug/L	<0.35	1.0	05/05/22 06:47	
p-Isopropyltoluene	ug/L	<1.0	5.0	05/05/22 06:47	
sec-Butylbenzene	ug/L	<0.42	1.0	05/05/22 06:47	
Styrene	ug/L	<0.36	1.0	05/05/22 06:47	
tert-Butylbenzene	ug/L	<0.59	1.0	05/05/22 06:47	
Tetrachloroethene	ug/L	<0.41	1.0	05/05/22 06:47	
Tetrahydrofuran	ug/L	<2.4	25.0	05/05/22 06:47	
Toluene	ug/L	<0.29	1.0	05/05/22 06:47	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	05/05/22 06:47	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	05/05/22 06:47	
Trichloroethene	ug/L	<0.32	1.0	05/05/22 06:47	
Trichlorofluoromethane	ug/L	<0.42	1.0	05/05/22 06:47	
Vinyl chloride	ug/L	<0.17	1.0	05/05/22 06:47	
Xylene (Total)	ug/L	<1.0	3.0	05/05/22 06:47	
1,2-Dichlorobenzene-d4 (S)	%	108	70-130	05/05/22 06:47	
4-Bromofluorobenzene (S)	%	109	70-130	05/05/22 06:47	
Toluene-d8 (S)	%	109	70-130	05/05/22 06:47	

LABORATORY CONTROL SAMPLE: 2388015

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.3	101	70-134	
1,1,2,2-Tetrachloroethane	ug/L	50	53.2	106	69-130	
1,1,2-Trichloroethane	ug/L	50	51.7	103	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	52.6	105	50-150	
1,1-Dichloroethane	ug/L	50	49.0	98	70-130	
1,1-Dichloroethene	ug/L	50	57.2	114	74-131	
1,2,4-Trichlorobenzene	ug/L	50	42.9	86	68-130	

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QUALITY CONTROL DATA

Project: A221723 MADISON KIPP CORP

Pace Project No.: 40244190

LABORATORY CONTROL SAMPLE: 2388015

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	50	46.6	93	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	51.3	103	70-130	
1,2-Dichlorobenzene	ug/L	50	51.0	102	70-130	
1,2-Dichloroethane	ug/L	50	50.5	101	70-137	
1,2-Dichloropropane	ug/L	50	48.0	96	80-121	
1,3-Dichlorobenzene	ug/L	50	50.7	101	70-130	
1,4-Dichlorobenzene	ug/L	50	52.0	104	70-130	
Benzene	ug/L	50	48.7	97	70-130	
Bromodichloromethane	ug/L	50	49.2	98	70-130	
Bromoform	ug/L	50	42.1	84	70-130	
Bromomethane	ug/L	50	27.8	56	21-147	
Carbon disulfide	ug/L	50	41.3	83	70-130	
Carbon tetrachloride	ug/L	50	48.8	98	80-146	
Chlorobenzene	ug/L	50	52.8	106	70-130	
Chloroethane	ug/L	50	65.4	131	52-165	
Chloroform	ug/L	50	49.8	100	80-123	
Chloromethane	ug/L	50	46.3	93	51-122	
cis-1,2-Dichloroethene	ug/L	50	43.6	87	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.2	94	70-130	
Dibromochloromethane	ug/L	50	50.9	102	70-130	
Dichlorodifluoromethane	ug/L	50	30.6	61	25-121	
Ethylbenzene	ug/L	50	55.4	111	80-120	
Isopropylbenzene (Cumene)	ug/L	50	54.8	110	70-130	
m&p-Xylene	ug/L	100	110	110	70-130	
Methyl-tert-butyl ether	ug/L	50	38.4	77	70-130	
Methylene Chloride	ug/L	50	47.5	95	70-130	
o-Xylene	ug/L	50	53.1	106	70-130	
Styrene	ug/L	50	54.1	108	70-130	
Tetrachloroethene	ug/L	50	49.3	99	70-130	
Toluene	ug/L	50	54.1	108	80-120	
trans-1,2-Dichloroethene	ug/L	50	45.4	91	70-130	
trans-1,3-Dichloropropene	ug/L	50	53.8	108	70-130	
Trichloroethene	ug/L	50	48.8	98	70-130	
Trichlorofluoromethane	ug/L	50	57.6	115	65-160	
Vinyl chloride	ug/L	50	53.8	108	63-134	
Xylene (Total)	ug/L	150	163	108	70-130	
1,2-Dichlorobenzene-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			111	70-130	
Toluene-d8 (S)	%			107	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2389427 2389428

Parameter	Units	40244247001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	52.9	52.1	106	104	70-134	2	20	

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QUALITY CONTROL DATA

Project: A221723 MADISON KIPP CORP
Pace Project No.: 40244190

Parameter	Units	2389427		2389428		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40244247001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	53.4	55.0	107	110	61-135	3	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	53.5	52.9	107	106	70-130	1	20	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.38	50	50	54.2	54.2	108	108	50-150	0	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	50.2	48.7	100	97	70-130	3	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	58.3	57.0	117	114	71-130	2	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	44.8	44.1	90	88	68-131	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	46.7	48.6	93	97	51-141	4	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	52.8	52.7	106	105	70-130	0	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	53.1	51.4	106	103	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	52.3	51.2	105	102	70-137	2	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	49.1	48.4	98	97	80-121	2	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	52.4	51.0	105	102	70-130	3	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	54.1	52.5	108	105	70-130	3	20	
Benzene	ug/L	<0.30	50	50	50.6	48.8	101	98	70-130	4	20	
Bromodichloromethane	ug/L	<0.42	50	50	51.2	49.8	102	100	70-130	3	20	
Bromoform	ug/L	<3.8	50	50	44.5	44.2	89	88	70-133	1	20	
Bromomethane	ug/L	<1.2	50	50	41.8	39.0	84	78	21-149	7	22	
Carbon disulfide	ug/L	<1.1	50	50	41.1	41.3	82	83	70-130	0	20	
Carbon tetrachloride	ug/L	<0.37	50	50	50.4	50.2	101	100	80-146	0	20	
Chlorobenzene	ug/L	<0.86	50	50	54.9	53.1	110	106	70-130	3	20	
Chloroethane	ug/L	<1.4	50	50	65.6	65.2	131	130	52-165	1	20	
Chloroform	ug/L	<1.2	50	50	51.3	50.5	103	101	80-123	2	20	
Chloromethane	ug/L	<1.6	50	50	46.0	45.7	92	91	42-125	1	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	46.0	45.0	92	90	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	48.2	48.0	96	96	70-130	0	20	
Dibromochloromethane	ug/L	<2.6	50	50	51.5	51.2	103	102	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	31.7	31.1	63	62	25-121	2	20	
Ethylbenzene	ug/L	<0.33	50	50	56.7	54.8	113	110	80-121	4	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	57.2	55.8	114	112	70-130	2	20	
m&p-Xylene	ug/L	<0.70	100	100	111	107	111	107	70-130	4	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	40.0	41.5	80	83	70-130	4	20	
Methylene Chloride	ug/L	<0.32	50	50	50.2	49.7	100	99	70-130	1	20	
o-Xylene	ug/L	<0.35	50	50	53.3	51.4	107	103	70-130	4	20	
Styrene	ug/L	<0.36	50	50	52.1	47.7	104	95	70-132	9	20	
Tetrachloroethene	ug/L	<0.41	50	50	51.0	51.1	102	102	70-130	0	20	
Toluene	ug/L	<0.29	50	50	56.5	53.9	113	108	80-120	5	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	48.8	48.0	98	96	70-130	2	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	55.1	55.8	110	112	70-130	1	20	
Trichloroethene	ug/L	<0.32	50	50	50.0	50.1	100	100	70-130	0	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	57.8	57.2	116	114	65-160	1	20	
Vinyl chloride	ug/L	<0.17	50	50	56.7	54.6	113	109	60-137	4	20	
Xylene (Total)	ug/L	<1.0	150	150	165	158	110	106	70-130	4	20	
1,2-Dichlorobenzene-d4 (S)	%						102	101	70-130			

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QUALITY CONTROL DATA

Project: A221723 MADISON KIPP CORP

Pace Project No.: 40244190

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2389427												2389428	
Parameter	Units	40244247001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
4-Bromofluorobenzene (S)	%						111	109	70-130				
Toluene-d8 (S)	%						108	106	70-130				

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QUALITY CONTROL DATA

Project: A221723 MADISON KIPP CORP
Pace Project No.: 40244190

QC Batch: 414765 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244190001

METHOD BLANK: 2388036 Matrix: Water

Associated Lab Samples: 40244190001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	05/06/22 09:22	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	05/06/22 09:22	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	05/06/22 09:22	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	05/06/22 09:22	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.38	5.0	05/06/22 09:22	
1,1-Dichloroethane	ug/L	<0.30	1.0	05/06/22 09:22	
1,1-Dichloroethene	ug/L	<0.58	1.0	05/06/22 09:22	
1,1-Dichloropropane	ug/L	<0.41	1.0	05/06/22 09:22	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	05/06/22 09:22	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	05/06/22 09:22	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/06/22 09:22	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	05/06/22 09:22	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	05/06/22 09:22	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	05/06/22 09:22	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	05/06/22 09:22	
1,2-Dichloroethane	ug/L	<0.29	1.0	05/06/22 09:22	
1,2-Dichloropropane	ug/L	<0.45	1.0	05/06/22 09:22	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	05/06/22 09:22	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	05/06/22 09:22	
1,3-Dichloropropane	ug/L	<0.30	1.0	05/06/22 09:22	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	05/06/22 09:22	
2,2-Dichloropropane	ug/L	<4.2	5.0	05/06/22 09:22	
2-Butanone (MEK)	ug/L	<6.5	25.0	05/06/22 09:22	
2-Chlorotoluene	ug/L	<0.89	5.0	05/06/22 09:22	
2-Hexanone	ug/L	<6.3	25.0	05/06/22 09:22	
4-Chlorotoluene	ug/L	<0.89	5.0	05/06/22 09:22	
4-Methyl-2-pentanone (MIBK)	ug/L	<6.0	25.0	05/06/22 09:22	
Acetone	ug/L	<8.6	25.0	05/06/22 09:22	
Benzene	ug/L	<0.30	1.0	05/06/22 09:22	
Bromobenzene	ug/L	<0.36	1.0	05/06/22 09:22	
Bromochloromethane	ug/L	<0.36	5.0	05/06/22 09:22	
Bromodichloromethane	ug/L	<0.42	1.0	05/06/22 09:22	
Bromoform	ug/L	<3.8	5.0	05/06/22 09:22	
Bromomethane	ug/L	<1.2	5.0	05/06/22 09:22	
Carbon disulfide	ug/L	<1.1	5.0	05/06/22 09:22	
Carbon tetrachloride	ug/L	<0.37	1.0	05/06/22 09:22	
Chlorobenzene	ug/L	<0.86	1.0	05/06/22 09:22	
Chloroethane	ug/L	<1.4	5.0	05/06/22 09:22	
Chloroform	ug/L	<1.2	5.0	05/06/22 09:22	
Chloromethane	ug/L	<1.6	5.0	05/06/22 09:22	

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QUALITY CONTROL DATA

Project: A221723 MADISON KIPP CORP
Pace Project No.: 40244190

METHOD BLANK: 2388036 Matrix: Water
Associated Lab Samples: 40244190001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	05/06/22 09:22	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	05/06/22 09:22	
Dibromochloromethane	ug/L	<2.6	5.0	05/06/22 09:22	
Dibromomethane	ug/L	<0.99	5.0	05/06/22 09:22	
Dichlorodifluoromethane	ug/L	<0.46	5.0	05/06/22 09:22	
Diisopropyl ether	ug/L	<1.1	5.0	05/06/22 09:22	
Ethylbenzene	ug/L	<0.33	1.0	05/06/22 09:22	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	05/06/22 09:22	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	05/06/22 09:22	
m&p-Xylene	ug/L	<0.70	2.0	05/06/22 09:22	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	05/06/22 09:22	
Methylene Chloride	ug/L	<0.32	5.0	05/06/22 09:22	
n-Butylbenzene	ug/L	<0.86	1.0	05/06/22 09:22	
n-Hexane	ug/L	<1.5	5.0	05/06/22 09:22	
n-Propylbenzene	ug/L	<0.35	1.0	05/06/22 09:22	
Naphthalene	ug/L	<1.1	5.0	05/06/22 09:22	
o-Xylene	ug/L	<0.35	1.0	05/06/22 09:22	
p-Isopropyltoluene	ug/L	<1.0	5.0	05/06/22 09:22	
sec-Butylbenzene	ug/L	<0.42	1.0	05/06/22 09:22	
Styrene	ug/L	<0.36	1.0	05/06/22 09:22	
tert-Butylbenzene	ug/L	<0.59	1.0	05/06/22 09:22	
Tetrachloroethene	ug/L	<0.41	1.0	05/06/22 09:22	
Tetrahydrofuran	ug/L	<2.4	25.0	05/06/22 09:22	
Toluene	ug/L	<0.29	1.0	05/06/22 09:22	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	05/06/22 09:22	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	05/06/22 09:22	
Trichloroethene	ug/L	<0.32	1.0	05/06/22 09:22	
Trichlorofluoromethane	ug/L	<0.42	1.0	05/06/22 09:22	
Vinyl chloride	ug/L	<0.17	1.0	05/06/22 09:22	
Xylene (Total)	ug/L	<1.0	3.0	05/06/22 09:22	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130	05/06/22 09:22	
4-Bromofluorobenzene (S)	%	99	70-130	05/06/22 09:22	
Toluene-d8 (S)	%	106	70-130	05/06/22 09:22	

LABORATORY CONTROL SAMPLE: 2388037

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.0	100	70-134	
1,1,2,2-Tetrachloroethane	ug/L	50	52.7	105	69-130	
1,1,2-Trichloroethane	ug/L	50	50.1	100	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	51.7	103	50-150	
1,1-Dichloroethane	ug/L	50	53.7	107	70-130	
1,1-Dichloroethene	ug/L	50	54.4	109	74-131	
1,2,4-Trichlorobenzene	ug/L	50	40.1	80	68-130	

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QUALITY CONTROL DATA

Project: A221723 MADISON KIPP CORP

Pace Project No.: 40244190

LABORATORY CONTROL SAMPLE: 2388037

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	50	44.2	88	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	45.1	90	70-130	
1,2-Dichlorobenzene	ug/L	50	48.4	97	70-130	
1,2-Dichloroethane	ug/L	50	49.5	99	70-137	
1,2-Dichloropropane	ug/L	50	50.9	102	80-121	
1,3-Dichlorobenzene	ug/L	50	45.5	91	70-130	
1,4-Dichlorobenzene	ug/L	50	44.2	88	70-130	
Benzene	ug/L	50	52.1	104	70-130	
Bromodichloromethane	ug/L	50	46.4	93	70-130	
Bromoform	ug/L	50	43.4	87	70-130	
Bromomethane	ug/L	50	30.0	60	21-147	
Carbon disulfide	ug/L	50	56.9	114	70-130	
Carbon tetrachloride	ug/L	50	48.7	97	80-146	
Chlorobenzene	ug/L	50	48.9	98	70-130	
Chloroethane	ug/L	50	66.9	134	52-165	
Chloroform	ug/L	50	51.0	102	80-123	
Chloromethane	ug/L	50	51.3	103	51-122	
cis-1,2-Dichloroethene	ug/L	50	47.0	94	70-130	
cis-1,3-Dichloropropene	ug/L	50	46.1	92	70-130	
Dibromochloromethane	ug/L	50	44.8	90	70-130	
Dichlorodifluoromethane	ug/L	50	40.1	80	25-121	
Ethylbenzene	ug/L	50	48.6	97	80-120	
Isopropylbenzene (Cumene)	ug/L	50	48.5	97	70-130	
m&p-Xylene	ug/L	100	100	100	70-130	
Methyl-tert-butyl ether	ug/L	50	43.2	86	70-130	
Methylene Chloride	ug/L	50	53.2	106	70-130	
o-Xylene	ug/L	50	48.9	98	70-130	
Styrene	ug/L	50	50.4	101	70-130	
Tetrachloroethene	ug/L	50	47.8	96	70-130	
Toluene	ug/L	50	50.3	101	80-120	
trans-1,2-Dichloroethene	ug/L	50	53.1	106	70-130	
trans-1,3-Dichloropropene	ug/L	50	46.4	93	70-130	
Trichloroethene	ug/L	50	47.5	95	70-130	
Trichlorofluoromethane	ug/L	50	50.6	101	65-160	
Vinyl chloride	ug/L	50	55.9	112	63-134	
Xylene (Total)	ug/L	150	149	99	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			104	70-130	

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QUALITY CONTROL DATA

Project: A221723 MADISON KIPP CORP

Pace Project No.: 40244190

QC Batch:	414788	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40244190002, 40244190003, 40244190004, 40244190005

METHOD BLANK: 2388196 Matrix: Water
Associated Lab Samples: 40244190002, 40244190003, 40244190004, 40244190005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	05/04/22 09:33	

LABORATORY CONTROL SAMPLE: 2388197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	555	490	88	80-120	

SAMPLE DUPLICATE: 2388198

Parameter	Units	40244055001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	766	744	3	10	

SAMPLE DUPLICATE: 2388199

Parameter	Units	40244190004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	350	326	7	10	

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QUALITY CONTROL DATA

Project: A221723 MADISON KIPP CORP
Pace Project No.: 40244190

QC Batch: 414655 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244190002, 40244190003, 40244190004, 40244190005

METHOD BLANK: 2387421 Matrix: Water
Associated Lab Samples: 40244190002, 40244190003, 40244190004, 40244190005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	05/03/22 09:22	

LABORATORY CONTROL SAMPLE: 2387422

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	100	100	80-120	

SAMPLE DUPLICATE: 2387423

Parameter	Units	40244153001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	365	440	19	10	R1

SAMPLE DUPLICATE: 2387493

Parameter	Units	40244190004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	1.4J	1.4J		10	

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QUALIFIERS

Project: A221723 MADISON KIPP CORP

Pace Project No.: 40244190

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, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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

1q Analyte recovery in the continuing calibration verification (CCV) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: A221723 MADISON KIPP CORP
Pace Project No.: 40244190

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40244190001	MW-2D-202204	EPA 8260	414765		
40244190006	TRIP BLANK-202204-2	EPA 8260	414759		
40244190002	MW-29S-202204	SM 2540C	414788		
40244190003	MW-29D-202204	SM 2540C	414788		
40244190004	MW-24-202204	SM 2540C	414788		
40244190005	MW-28-202204	SM 2540C	414788		
40244190002	MW-29S-202204	SM 2540D	414655		
40244190003	MW-29D-202204	SM 2540D	414655		
40244190004	MW-24-202204	SM 2540D	414655		
40244190005	MW-28-202204	SM 2540D	414655		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



SUBCONTRACT ORDER

Pace Analytical - Madison
A221723

40244190

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 - Green Bay, WI
1241 Bellevue St
Green Bay, WI 54302
Phone :(920) 469-2436
Fax:

Turn around Time: Normal
 Rush

Project Name: Madison Kipp Corporation - Madison, WI

Analysis	Due	Expires	Laboratory ID	Comments
----------	-----	---------	---------------	----------

MW-2D-202204	Lab ID: A221723-01 Water	Sampled: 04/28/2022 16:22	001	
8260 WI Full List	05/13/2022 00:00	05/12/2022 16:22		Report to MDL-Report total xylenes

Containers Supplied:
07_40mL Clear Vial (pre-) 07_40mL Clear Vial (pre-) 07_40mL Clear Vial (pre-)

MW-29S-202204	Lab ID: A221723-02 Water	Sampled: 04/28/2022 11:39	002	
Subcontracted Analysis - Pace	05/13/2022 00:00	05/12/2022 11:39		Dissolved Solids, Total
2540D - Suspended Solids	05/13/2022 00:00	05/05/2022 11:39		

Containers Supplied:
14_1000mL Plastic Cool t 14_250mL Plastic Cool to

MW-29D-202204	Lab ID: A221723-03 Water	Sampled: 04/28/2022 13:38	003	
Subcontracted Analysis - Pace	05/13/2022 00:00	05/12/2022 13:38		Dissolved Solids, Total
2540D - Suspended Solids	05/13/2022 00:00	05/05/2022 13:38		

Containers Supplied:
14_1000mL Plastic Cool t 14_250mL Plastic Cool to

MW-24-202204	Lab ID: A221723-04 Water	Sampled: 04/28/2022 10:45	004	Duplicate volume
Subcontracted Analysis - Pace	05/13/2022 00:00	05/12/2022 10:45		Dissolved Solids, Total
2540D - Suspended Solids	05/13/2022 00:00	05/05/2022 10:45		

Containers Supplied:
14_1000mL Plastic Cool t 14_250mL Plastic Cool to 14_1000mL Plastic Cool t 14_250mL Plastic Cool to

MW-28-202204	Lab ID: A221723-05 Water	Sampled: 04/28/2022 14:49	005	
Subcontracted Analysis - Pace	05/13/2022 00:00	05/12/2022 14:49		Dissolved Solids, Total
2540D - Suspended Solids	05/13/2022 00:00	05/05/2022 14:49		

Containers Supplied:

Ramedha	04/29/2022 @ 1530		
Released By	Date	Received By	Date
CS Logistics	4/30/22 0745	Anthony Werd	4/30/22 0745
Released By	Date	Received By	Date



SUBCONTRACT ORDER
Pace Analytical - Madison
A221723

40244190

Analysis Due Expires Laboratory ID Comments

Trip Blank Lab ID: A221723-06 Water Sampled: 04/28/2022 00:00 006

8260 WI Full List 05/13/2022 00:00 05/12/2022 00:00 Report to MDL-Report total xylenes

Containers Supplied:
07_40mL Clear Vial (pre-)

Romedhen 04/29/2022 @ 1530

Released By Date Received By Date

CS Logistics 4/30/22 0745 Anthony Wendel 4/30/22 0745

Released By Date Received By Date

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Pace Madison

WO#: **40244190**

Courier: CS Logistics Fed Ex Speedee UPS Waitco
 Client Pace Other: _____



Tracking #: _____

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-107 Type of Ice: Wet Blue Dry None

Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1 /Corr: .8

Person examining contents:
 Date: 4/30/22 /Initials: ALJ
 Labeled By Initials: ALJ

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	4. <u>IRWO</u> <u>4/30/22 ALJ</u>
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
-Pace IR Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>Pace Madison labels on bubble bags</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>001,006</u> <u>4/30/22 ALJ</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login

Attachment 7

**Storm Sewer Sediment and Stormwater Monitoring
Laboratory Analytical Report**



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

May 09, 2022

Andrew Stehn
TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison, WI 53717
RE: MKC Storm Sewer/Raingarden - Madison, WI

Enclosed are the analytical results for the samples received by the laboratory on 04/29/2022.

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
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2022
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2022
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2022
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2022
NYDOH	New York Department of Health	12110	04/01/2022
TCEQ	Texas Secondary NELAP Accreditation	T104704504-20-11	11/30/2022
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2022

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: MKC Storm Sewer/Raingarden - Madison, WI
Project Number: 470140 Phase 3 Tsk 2
Project Manager: Andrew Stehn

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
042922-W	A221721-01	Water	04/29/2022	04/29/2022
OUTFALL 042922	A221721-02	Solid	04/29/2022	04/29/2022
MH-1A 042922	A221721-03	Solid	04/29/2022	04/29/2022

CASE NARRATIVE

Sample Receipt Information:

3 samples were received on 04/29/2022. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

TRC Environmental Corporation, Inc.
 708 Heartland Trail, Ste 3000
 Madison WI, 53717

Project: MKC Storm Sewer/Raingarden - Madison, WI
 Project Number: 470140 Phase 3 Tsk 2
 Project Manager: Andrew Stehn

042922-W

Date Sampled

A221721-01 (Water)

04/29/2022 09:05

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A205143

PCB-1016	ND	0.0072	0.12	ug/L	1	05/02/2022	05/04/2022 08:00	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 08:00	EPA 8082A	
PCB-1232	ND	0.0042	0.12	ug/L	1	05/02/2022	05/04/2022 08:00	EPA 8082A	
PCB-1242	ND	0.013	0.12	ug/L	1	05/02/2022	05/04/2022 08:00	EPA 8082A	
PCB-1248	ND	0.011	0.12	ug/L	1	05/02/2022	05/04/2022 08:00	EPA 8082A	
PCB-1254	ND	0.010	0.12	ug/L	1	05/02/2022	05/04/2022 08:00	EPA 8082A	
PCB-1260	ND	0.012	0.12	ug/L	1	05/02/2022	05/04/2022 08:00	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	05/02/2022	05/04/2022 08:00	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			70.5 %	29.5-138		05/02/2022	05/04/2022 08:00	EPA 8082A	
Surrogate: Decachlorobiphenyl			69.4 %	30.1-143		05/02/2022	05/04/2022 08:00	EPA 8082A	

TRC Environmental Corporation, Inc.
 708 Heartland Trail, Ste 3000
 Madison WI, 53717

Project: MKC Storm Sewer/Raingarden - Madison, WI
 Project Number: 470140 Phase 3 Tsk 2
 Project Manager: Andrew Stehn

OUTFALL 042922

Date Sampled

A221721-02 (Solid)

04/29/2022 09:15

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A205146

PCB-1016	ND	0.0070	0.15	mg/kg dry	1	05/03/2022	05/03/2022 23:45	EPA 8082A	
PCB-1221	ND	0.010	0.15	mg/kg dry	1	05/03/2022	05/03/2022 23:45	EPA 8082A	
PCB-1232	ND	0.0067	0.15	mg/kg dry	1	05/03/2022	05/03/2022 23:45	EPA 8082A	
PCB-1242	ND	0.014	0.15	mg/kg dry	1	05/03/2022	05/03/2022 23:45	EPA 8082A	
PCB-1248	0.59	0.013	0.15	mg/kg dry	1	05/03/2022	05/03/2022 23:45	EPA 8082A	
PCB-1254	ND	0.011	0.15	mg/kg dry	1	05/03/2022	05/03/2022 23:45	EPA 8082A	
PCB-1260	ND	0.011	0.15	mg/kg dry	1	05/03/2022	05/03/2022 23:45	EPA 8082A	
Total PCBs	0.59	0.014	0.15	mg/kg dry	1	05/03/2022	05/03/2022 23:45	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			92.9 %	56.5-139		05/03/2022	05/03/2022 23:45	EPA 8082A	
Surrogate: Decachlorobiphenyl			86.2 %	56-135		05/03/2022	05/03/2022 23:45	EPA 8082A	

Classical Chemistry Parameters

Preparation Batch: A205141

% Solids	65.4		0.00	% by Weight	1	05/02/2022	05/03/2022 13:07	ASTM D2974-87	
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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: MKC Storm Sewer/Raingarden - Madison, WI
Project Number: 470140 Phase 3 Tsk 2
Project Manager: Andrew Stehn

MH-1A 042922
A221721-03 (Solid)

Date Sampled
04/29/2022 09:28

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch: A205146

PCB-1016	ND	0.0056	0.12	mg/kg dry	1	05/03/2022	05/04/2022 00:10	EPA 8082A	
PCB-1221	ND	0.0080	0.12	mg/kg dry	1	05/03/2022	05/04/2022 00:10	EPA 8082A	
PCB-1232	ND	0.0053	0.12	mg/kg dry	1	05/03/2022	05/04/2022 00:10	EPA 8082A	
PCB-1242	ND	0.011	0.12	mg/kg dry	1	05/03/2022	05/04/2022 00:10	EPA 8082A	
PCB-1248	0.37	0.010	0.12	mg/kg dry	1	05/03/2022	05/04/2022 00:10	EPA 8082A	
PCB-1254	ND	0.0088	0.12	mg/kg dry	1	05/03/2022	05/04/2022 00:10	EPA 8082A	
PCB-1260	ND	0.0086	0.12	mg/kg dry	1	05/03/2022	05/04/2022 00:10	EPA 8082A	
Total PCBs	0.37	0.011	0.12	mg/kg dry	1	05/03/2022	05/04/2022 00:10	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			95.4 %	56.5-139		05/03/2022	05/04/2022 00:10	EPA 8082A	
Surrogate: Decachlorobiphenyl			84.6 %	56-135		05/03/2022	05/04/2022 00:10	EPA 8082A	

Classical Chemistry Parameters

Preparation Batch: A205141

% Solids	82.6		0.00	% by Weight	1	05/02/2022	05/03/2022 13:07	ASTM D2974-87	
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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: MKC Storm Sewer/Raingarden - Madison, WI
Project Number: 470140 Phase 3 Tsk 2
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
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Batch A205143 - EPA 3511

Blank (A205143-BLK1)

Prepared: 05/02/2022 Analyzed: 05/04/2022 01:22

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: Tetrachloro-meta-xylene	0.583		ug/L	0.7500		77.7	29.5-138			
Surrogate: Decachlorobiphenyl	0.669		ug/L	0.7500		89.2	30.1-143			

LCS (A205143-BS1)

Prepared: 05/02/2022 Analyzed: 05/04/2022 00:56

PCB-1254	9.10	0.12	ug/L	12.44		73.2	70-130			
Surrogate: Tetrachloro-meta-xylene	0.522		ug/L	0.7463		70.0	29.5-138			
Surrogate: Decachlorobiphenyl	0.626		ug/L	0.7463		83.9	30.1-143			

Matrix Spike (A205143-MS1)

Source: A221723-04

Prepared: 05/02/2022 Analyzed: 05/04/2022 09:45

PCB-1254	9.13	0.13	ug/L	12.50	ND	73.1	60-140			
Surrogate: Tetrachloro-meta-xylene	0.593		ug/L	0.7500		79.1	29.5-138			
Surrogate: Decachlorobiphenyl	0.604		ug/L	0.7500		80.6	30.1-143			

Matrix Spike Dup (A205143-MSD1)

Source: A221723-04

Prepared: 05/02/2022 Analyzed: 05/04/2022 10:12

PCB-1254	9.35	0.12	ug/L	12.47	ND	75.0	60-140	2.31	20	
Surrogate: Tetrachloro-meta-xylene	0.597		ug/L	0.7481		79.8	29.5-138			
Surrogate: Decachlorobiphenyl	0.629		ug/L	0.7481		84.1	30.1-143			

Batch A205146 - EPA 3570

Blank (A205146-BLK1)

Prepared: 05/03/2022 Analyzed: 05/03/2022 22:06

PCB-1016	ND	0.099	mg/kg wet							
PCB-1221	ND	0.099	mg/kg wet							
PCB-1232	ND	0.099	mg/kg wet							
PCB-1242	ND	0.099	mg/kg wet							
PCB-1248	ND	0.099	mg/kg wet							
PCB-1254	ND	0.099	mg/kg wet							
PCB-1260	ND	0.099	mg/kg wet							
Total PCBs	ND	0.099	mg/kg wet							
Surrogate: Tetrachloro-meta-xylene	0.212		mg/kg wet	0.2381		89.1	56.5-139			
Surrogate: Decachlorobiphenyl	0.214		mg/kg wet	0.2381		89.8	56-135			

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: MKC Storm Sewer/Raingarden - Madison, WI
Project Number: 470140 Phase 3 Tsk 2
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 A205146 - EPA 3570										
LCS (A205146-BS1)										
					Prepared: 05/03/2022 Analyzed: 05/03/2022 21:41					
PCB-1254	1.61	0.10	mg/kg wet	1.996		80.7	73.7-116			
Surrogate: Tetrachloro-meta-xylene	0.204		mg/kg wet	0.2395		85.1	56.5-139			
Surrogate: Decachlorobiphenyl	0.204		mg/kg wet	0.2395		85.4	56-135			
Matrix Spike (A205146-MS1)										
		Source: A221721-03		Prepared: 05/03/2022 Analyzed: 05/04/2022 00:35						
PCB-1254	2.34	0.12	mg/kg dry	2.402	ND	97.5	69.9-133			
Surrogate: Tetrachloro-meta-xylene	0.297		mg/kg dry	0.2882		103	56.5-139			
Surrogate: Decachlorobiphenyl	0.253		mg/kg dry	0.2882		87.6	56-135			
Matrix Spike Dup (A205146-MSD1)										
		Source: A221721-03		Prepared: 05/03/2022 Analyzed: 05/04/2022 01:00						
PCB-1254	2.33	0.12	mg/kg dry	2.416	ND	96.3	69.9-133	0.670	20	
Surrogate: Tetrachloro-meta-xylene	0.290		mg/kg dry	0.2899		100	56.5-139			
Surrogate: Decachlorobiphenyl	0.257		mg/kg dry	0.2899		88.8	56-135			

TRC Environmental Corporation, Inc.
 708 Heartland Trail, Ste 3000
 Madison WI, 53717

Project: MKC Storm Sewer/Raingarden - Madison, WI
 Project Number: 470140 Phase 3 Tsk 2
 Project Manager: Andrew Stehn

Classical Chemistry Parameters - Quality Control

Pace Analytical - Madison

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A205141 - % Solids

Duplicate (A205141-DUP1)

Source: A221712-02

Prepared: 05/02/2022 Analyzed: 05/03/2022 13:07

% Solids	89.6	0.00	% by Weight		89.4			0.282	20	
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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: MKC Storm Sewer/Raingarden - Madison, WI
Project Number: 470140 Phase 3 Tsk 2
Project Manager: Andrew Stehn

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference

Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.

