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September 20, 2022

Mr. Dave Neste
Wisconsin Department of Natural Resources
625 E. County Road Y, Suite 700
Oshkosh, WI 54901

Subject: Status Report No. 39
Former Johnson Controls, Inc., Facility
3713 N. Humboldt Blvd., Milwaukee, WI 53212
WDNR BRRTS No. 02-41-231951

Dear Mr. Neste:

On behalf of Johnson Controls, Inc., TRC Environmental Corporation (TRC) has prepared this Status Report No. 39 for the groundwater remedial systems at the site referenced above (Drawings 1 and 2). This report summarizes the operation, maintenance, and monitoring (OM&M) activities, and the site conditions for the period between December 9, 2021 to June 7, 2022. This report has been prepared using the Wisconsin Department of Natural Resources (WDNR) Form 4400-194 (see Attachment A).

Operation, Maintenance, and Monitoring Activities

The following activities were performed during this reporting period:

- The soil vapor extraction (SVE) system located near Sump S03 was operated and sampled, summaries of which are presented in Tables 1 and 2.
- The groundwater extraction and treatment systems at Sumps S01 and S03 were operated and sampled, summaries of which are presented in Tables 3 and 4.
- Discharge monitoring report forms for the groundwater treatment systems were completed and sent to the WDNR as required in the permit for each system. The reports are submitted using the WDNR Web Access Management System (WAMS). A long report including the approximate flow rate for each system was submitted monthly and a short report which includes quarterly performance monitoring parameters was submitted in April 2022 (January - March Reporting) and July 2022 (April - June Reporting). A copy of the most recently submitted discharge monitoring reports are presented in Attachment B.
- Quarterly water elevations were measured on March 8 and June 6, 2022.
- Semi-annual groundwater monitoring was conducted on June 7, 2022. Samples were laboratory-analyzed for volatile organic compounds (VOCs) and were field-analyzed for dissolved oxygen (DO) and oxidation reduction potential (ORP).
- Laboratory reports for all samples collected during this time period are presented in Attachment C.

Groundwater Monitoring Results

Water level measurements were collected on March 8 and June 6, 2022. The measurements are summarized in Table 5 for the monitoring wells and in Table 6 for temporary wells. A water table map from the June 6, 2022, measurements is included in Drawing 3. Groundwater flows to the north and northeast on the site.

Groundwater samples were collected at wells currently in the semi-annual monitoring program (MW04A, MW04B, MW05, MW06, MW07A, MW07B, MW08, and MW09)[1] and from one-inch monitoring wells installed in 2017 (TW-1, TW-2, TW-4, TW-8, TW-11, TW-18 and TW-20)[2].

- The chlorinated VOC results are summarized in Table 6 for the one-inch wells and Table 7 for the monitoring wells.
- The DO and ORP results, and other natural attenuation parameters that were included in previous sampling events are summarized in Table 8.
- The contaminant of concern at the site is trichloroethene (TCE), and a map showing the concentrations for TCE within the groundwater is included in Drawing 4.
- Trends in the concentration of TCE in wells are shown on Figures 1.1 through 1.4. The trend plots are only included for those wells where the concentration of TCE is greater than the NR 140 Enforcement Standard (ES) of 5 μg/L or the NR 140 preventive action limit (PAL) of 0.5 μg/L.

The monitoring results from this reporting period indicated the following:

- Well TW-18 is near the source area and had the highest concentration of TCE detected at the site (468,000 µg/L) which is consistent with historical data.
- Well MW08 is near the source area and closest to the groundwater extraction and treatment Sump S03. Following the startup of groundwater remediation in January 2002, the concentration of TCE at well MW08 has maintained an overall declining trend. The concentration of TCE has declined from approximately 80,000 μg/L in 2002 to 5,290 μg/L during the June 2022 sampling event.
- Other wells near the source area include TW-11 and TW-20, and the TCE concentrations measured in June 2022 in these wells were 29,600 μg/L and 2,390 μg/L, respectively. The concentrations are within the range historically detected at TW-11 and TW-20. Although the concentration at TW-11 is within the historical range detected at that location (concentrations in the 20,000 µg/L range, up to 28,300 µg/L), the concentration is the highest detected to date (29,600 µg/L).
- Well MW07A is downgradient of MW08 and contained TCE at a concentration of 17.7 μg/L. This concentration is within historical ranges for this well.
- Well MW04A is further downgradient from MW08 and contained TCE at a concentration of 9.3 µg/L during the June 2022 sampling event. The concentration of TCE increased to above the ES at this well in 2016. The concentration has fluctuated but has remained above the ES since 2016.
- Well TW-8 is sidegradient of the source area and Sump S03. The concentration of TCE during the June 2022 sampling event was 6.6 µg/L, which is similar to previous measurements in this well, and the other downgradient wells outside the building.

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1 A summary of monitoring well construction information is provided in Attachment D.

2 Ten wells were installed in 2017 as small diameter wells with a filter pack and well seal. The DNR approved a variance for construction of these wells and for use in long-term monitoring to close data gaps at the site. Four of the wells (TW-3, TW-5, TW-6, and TW-7) have been abandoned, and the others remain in use for the current groundwater monitoring program.

- TCE was detected below the NR 140 PAL or not detected in the following wells, which is consistent with historical results.
  - Sidegradient well TW-1
  - Downgradient wells MW05, TW-2, and TW-4
  - Upgradient well MW09 (June 2022 result was J-flagged as the concentration was detected above the laboratory detection limit but below the laboratory reporting limit)
  - Deeper piezometers MW04B and MW07B
- Historical natural attenuation parameters and concentrations of the breakdown products of TCE indicate that reductive dechlorination of TCE is occurring in groundwater below the building, but conditions are not facilitating reductive dechlorination in groundwater in other areas of the site.

Groundwater Extraction and Treatment System

Sump S03 is located near the source area of TCE in groundwater, while Sump S01 is at a downgradient location below the building. Groundwater flows towards the north-northeast (from Sump S03 to Sump S01), as shown on the Drawing 3.

- Trends in the influent concentration of TCE for sumps S01 and S03 are shown on Figure 2.
  - The concentration of TCE in S01 has had an increasing trend since system startup. Concentration of TCE in Sump S01 was between 2,740 μg/L and 4,880 μg/L in this reporting period.
  - The concentration of TCE in S03 fluctuates regularly but has had a decreasing trend since system startup. Concentration of TCE Sump S03 ranged between 27,100 μg/L and 39,300 μg/L during this reporting period.
- Operations and monitoring for the groundwater extraction and treatment systems at S01 and S03 are summarized in Table 3 and 4, respectively, and Figure 3 summarizes the total TCE removed by both systems (Series 3).
  - Sump S01 treated 26,440 gallons of groundwater and removed approximately 0.72 pounds of TCE over this reporting period (Series 2).
  - Sump S03 treated 25,140 gallons of groundwater and removed approximately 6.21 pounds of TCE over the reporting period (Series 1).
  - The activated carbon within the treatment vessels for the S01 system was not replaced during this reporting period.
  - During the February 2 site visit, the S03 effluent piping was found to be frozen at the floor discharge. The pipe was unfrozen and sump was run to test flow. Flow was restored and the system continued operation.
- The effluent concentrations for the groundwater discharged from S01 and S03 were below established permit limits.

SVE System

The SVE operations are summarized in Tables 1 and 2.

- The operation of the SVE system removed approximately 0.4 pounds of volatile organic compounds (VOCs) from the subsurface soil during this reporting period. The system is continuing to remove VOCs at about a relative similar rate over time (Figure 4).
- The SVE exhaust VOC concentrations (Figure 5) are within the historical range of concentrations and remained below emission thresholds.
  - The estimated rate of VOCs discharged (sum of all detected VOCs) varied from 0.00009 to 0.00017 lbs/hour, which is well below the NR 406 Emission Threshold of 5.7 lbs/hour.
  - The cumulative VOC loading rates reported TCE, ethanol, and methylene chloride during the March sampling event and only TCE during the June sampling event as seen in the laboratory analytical reports included in Attachment C. In comparison to the established NR 445 Emission Threshold for TCE of 14.4 lbs/hour and methylene chloride of 9.33 lbs/hour, no threshold was exceeded.

Conclusions

Groundwater conditions remain relatively stable and controlled by the remedial systems. The remedial systems continue to remove VOC mass from the dissolved and vapor phases at the site. The effluent results for the groundwater discharge from the pump and treat systems were below established permit limits, and the extracted vapors from the soil vapor extraction system were below the established NR 406 and NR 445 emission thresholds.

JCI and TRC will continue to evaluate the system operations and site conditions to determine if modifications are needed in the remedial approach. Any updates will be provided to the WDNR in the semi-annual reports as the project progresses.

Please call Katherine Vater, at (608) 826-3663, with any questions or comments.

Sincerely,

TRC

Ben Wachholz, P.E.
Senior Project Engineer

Katherine Vater, P.E.
Project Manager

cc: Rick Bethel – JCI (electronic copy, only)

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Table 1: Summary of Soil Vapor Extraction System Operation - Sump S03
Former Johnson Controls, Inc. - Humboldt Facility
3713 North Humboldt Boulevard
Milwaukee, Wisconsin

Date	Extraction Flow Rate[1] (scfm)	Inlet Temp (°F)	Exhaust Temp (°F)	Pressure[2]					Air Sample Collected[3]	SVE Wells Operating During Sampling	Comments
				SVE 1-4 (inches of H_20)	SVE 5-6 (inches of H_20)	SVE 7-9 (inches of H_20)	SVE 10 (inches of H_20)	Blower Inlet (inches of H_20)			
6/3/2020	21.0	60	68	-28	-36	-32	-26	-40	Yes	1-4	SVE system operating satisfactorily. Two air compressor filters were changed.
7/8/2020	19.3	76	92	-26	-40	-42	-28	-44	No	NA	SVE system operating satisfactorily. Two air compressor filters were changed.
8/19/2020	22.4	68	92	-28	-38	-40	-32	-42	No	NA	SVE system operating satisfactorily. Two air compressor filters were changed.
9/9/2020	20.0	84	92	-28	-40	-28	-28	-42	Yes	5-6	SVE system operating satisfactorily. Two air compressor filters were changed.
10/18/2020	22.1	74	92	-28	-38	-28	-30	-42	No	NA	SVE system operating satisfactorily. Two air compressor filters were changed.
11/2/2020	18.9	64	92	-28	-36	-36	-30	-42	No	NA	SVE system operating satisfactorily. Two air compressor filters were changed.
12/8/2020	22.9	58	92	-28	-34	-36	-30	-40	Yes	7-9	SVE system operating satisfactorily. Two air compressor filters were changed.
1/6/2021	20.3	52	68	-26	-34	-32	-26	-42	No	NA	SVE system operating satisfactorily.
2/1/2021	21.8	50	74	-28	-40	-38	-32	-50	No	NA	SVE system operating satisfactorily. Two air compressor filters were changed, and the inlet vacuum dropped to -42 in. of H20
3/1/2021	24.4	44	60	-26	-36	-24	-30	-42	Yes	NA	Seemed like leak was coming in from the leaky overhang and entering through the door causing the leak detector level switch to trip. Vacuumed out sump pit for the switch. Two air compressor filters were changed.
4/7/2021	21.4	68	78	-26	-40	-28	-24	-44	No	NA	SVE system operating satisfactorily. Two air compressor filters were changed.
5/3/2021	20.9	64	80	-30	-32	-34	-26	-40	No	NA	SVE system operating satisfactorily. Two air compressor filters were changed. Drive belt worn out and will be replaced.
6/14/2021	20.3	76	88	-28	-36	-24	-28	-42	Yes	NA	SVE system operating satisfactorily. Two air compressor filters were changed. Drive belt replaced.
7/6/2021	24.3	84	92	-36	-40	-22	-38	-42	No	NA	SVE system operating satisfactorily. Two air compressor filters were changed.

Table 1: Summary of Soil Vapor Extraction System Operation - Sump S03
Former Johnson Controls, Inc. - Humboldt Facility
3713 North Humboldt Boulevard
Milwaukee, Wisconsin

Date	Extraction Flow Rate[1] (scfm)	Inlet Temp (°F)	Exhaust Temp (°F)	Pressure[2]					Air Sample Collected[3]	SVE Wells Operating During Sampling	Comments
				SVE 1-4 (inches of H_20)	SVE 5-6 (inches of H_20)	SVE 7-9 (inches of H_20)	SVE 10 (inches of H_20)	Blower Inlet (inches of H_20)			
8/2/2021	16.9	72	88	-34	-40	-26	-40	-42	No	NA	SVE system operating satisfactorily. Two air compressor filters were changed. Drive belt tightened.
9/13/2021	18.6	70	94	-36	-40	-22	-42	-44	Yes	NA	SVE system operating satisfactorily. Two air compressor filters were changed.
10/7/2021	19.6	68	80	-32	-40	-18	38	-44	No	NA	SVE system operating satisfactorily. Two air compressor filters were changed.
11/2/2021	21.8	54	78	-32	-38	-34	-36	-46	No	NA	SVE system operating satisfactorily. Two air compressor filters were changed.
12/8/2021	18.7	44	72	-32	-40	-36	-34	-44	Yes	NA	SVE system operating satisfactorily. Two air compressor filters were changed.
1/17/2022	20.5	52	68	-30	-34	-34	-28	-38	No	NA	SVE system operating satisfactorily. Two air compressor filters were changed.
2/2/2022	17.0	42	68	-30	-24	-32	-24	-40	No	NA	SVE system operating satisfactorily. Two air compressor filters were changed.
3/8/2022	19.4	32	50	-32	-36	-34	-30	-38	Yes	NA	SVE system operating satisfactorily. Two air compressor filters were changed.
4/7/2022	21.4	68	78	-26	-40	-28	-24	-44	No	NA	SVE system operating satisfactorily. Two air compressor filters were changed.
5/3/2022	18.9	64	90	-40	-36	-36	-26	-42	No	NA	SVE system operating satisfactorily. Two air compressor filters were changed. Changed lubricant
6/6/2022	21.6	68	88	-30	-34	-28	-32	-40	Yes	NA	SVE system operating satisfactorily. Two air compressor filters were changed.

Notes:
Dash (-) = information was not recorded during this monitoring event.
NA = not applicable.
NM = not measured.

Updated By: B. Fischer 07/29/2022
Checked By: B. Wachholz 8/29/2022

Footnotes:
(1) Extraction flow rate is based on measuring air velocity in 2-inch–diameter SVE blower inlet pipe with magnehelic velocity gauge and adjusting to standard pressure (14.7 psi) and temperature (25°C) conditions.
(2) Positive (+) number indicates positive pressure; negative (-) number indicates vacuum pressure.
(3) A Summa Canister has been used to sample the SVE exhaust since 2/4/2003. Tedlar bags were used for sampling prior to this date.

Table 2: Summary of Air Emissions
Former Johnson Controls, Inc. - Humboldt Facility
3717 North Humboldt Boulevard
Milwaukee, Wisconsin

Date	SVE Extraction Flow Rate[1] (scfm)	Total VOCs[2][3] (ug/L)[4]	Estimated Rate of VOCS Discharged[5][6] (pounds per hour)	Cumulative VOCS Removed[7] (lbs)
6/3/2020	21.0	10.9	0.00085	124.8
7/8/2020	19.3	NM	NM	124.8
8/19/2020	22.4	NM	NM	124.8
9/9/2020	20.0	5.4	0.00042	125.8
10/18/2020	22.1	NM	NM	125.8
11/2/2020	18.9	NM	NM	125.8
12/8/2020	22.9	2.1	0.00016	126.2
1/6/2021	20.3	NM	NM	126.2
2/1/2021	21.8	NM	NM	126.2
3/22/2021	24.4	1.8	0.00015	126.6
4/7/2021	21.4	NM	NM	126.6
5/3/2021	20.9	NM	NM	126.6
6/14/2021	20.3	5.3	0.00043	127.4
7/6/2021	24.3	NM	NM	127.4
8/2/2021	16.9	NM	NM	127.4
9/13/2021	18.6	5.2	0.00039	128.3
10/7/2021	19.6	NM	NM	128.3
11/2/2021	21.8	NM	NM	128.3
12/8/2021	18.7	2.3	0.00017	128.6
1/17/2022	20.5	NM	NM	128.6
2/2/2022	17.0	NM	NM	128.6
3/8/2022	19.4	1.3	0.00009	128.8
4/7/2022	21.4	NM	NM	128.8
5/3/2022	18.9	NM	NM	128.8
6/6/2022	21.6	1.3	0.00010	129.0

Notes:
ND = not detected.
NM = not measured

Updated by: B. Wachholz 8/9/2022
Checked by: B. Fischer 8/9/2022

Footnotes:

[1] SVE extraction flow rate is based on measuring air velocity in 2-inch–diameter SVE blower inlet pipe with magnehelic velocity gauge and adjusting to standard pressure (14.7 psi) and temperature (25° C) conditions.

[2] Total VOCs measured using Tenex tube samples analyzed at an analytical testing laboratory, until 2/4/03, after which a Summa Canister was used to obtain a sample to be analyzed for VOCs by Method TO14.

[3] The exhaust sampling schedule for the SVE system was altered from monthly sampling to quarterly sampling as of January 1, 2013.

[4] Starting 12/09/03, analyte concentrations are measured in ppbv and converted to µg/L.

[5] If no VOCs were detected, then the estimated rate of VOCs discharged is calculated using a VOC concentration of one-half the detection limit.

[6] Estimated Rate of VOCs Discharged is calculated utilizing the average SVE Extraction Flow Rate between sampling periods as of January 1, 2013.

[7] If a sample could not be obtained the cumulative VOCs removed from the previous sampling period was assumed. This value may under estimate the actual removal value.

Table 3: Summary of Groundwater Extraction and Treatment System Operation - Sump S01
Former Johnson Controls, Inc. - Humboldt Facility
3713 North Humboldt Boulevard
Milwaukee, Wisconsin

Date	Groundwater Discharged This Period (gal)	Cumulative Groundwater Discharged (gal)	Average Discharge Flow Rate[1] (gpd)	Influent Sample Results[2]	Between Carbon Sample Results[2]	Effluent Sample Results[2][3]		Cumulative TCE Removed (pounds)	Comments
				TCE (µg/L)	TCE (µg/L)	TCE (µg/L)	PAHs (µg/L)		
6/3/2020	3,916	1,576,242.0	131	NS	NS	NS	NS	--	Lost power to the substation.
6/24/2020	-	-	-	5,710	<0.26	<0.26	<0.017	38.26	System power was restored on 6/23 and the S01 quarterly sampling was completed.
7/8/2020	3,754	1,579,996.2	107	NS	NS	NS	NS	38.44	System operating satisfactorily.
8/19/2020	7,349	1,587,345.3	175	NS	NS	NS	NS	38.79	System operating satisfactorily.
9/9/2020	3,374	1,590,719.5	160	4,990	<0.26	<0.26	0.0000077 J[3]	38.93	System operating satisfactorily.
10/8/2020	4,710	1,595,429.8	163	NS	NS	NS	NS	39.13	System operating satisfactorily.
11/2/2020	3,321	1,598,751.0	133	NS	NS	NS	NS	39.26	System operating satisfactorily.
12/8/2020	2,641	1,601,392.1	73	NS	NS	NS	NS	39.37	System shut down sometime between November and December monitoring events due to electrical issues with the building.
12/28/2020	3,568	1,604,960.2	177	4,080	0.33 J	<0.26	<0.021	39.50	Electrical was repaired to the facility on December 14, 2020. TRC completed a site visit to collect performance monitoring samples.
1/6/2021	1,221	1,606,181.5	137	NS	NS	NS	NS	39.54	System operating satisfactorily.
2/1/2021	3,662	1,609,843.3	141	NS	NS	NS	NS	39.66	System operating satisfactorily.
3/1/2021	4,031	1,613,874.6	144	NS	NS	NS	NS	39.80	System operating satisfactorily.
3/22/2021	-	-	-	4,470	<0.26	<0.26	<0.016	39.95	System operating satisfactorily.
4/7/2021	5,534	1,619,409.0	150	NS	NS	NS	NS	40.16	System operating satisfactorily.
5/3/2021	3,808	1,623,217.2	146	NS	NS	NS	NS	40.30	System operating satisfactorily.
6/14/2021	6,181	1,629,398.6	147	4,060	<0.32	<0.32	0.00002	40.51	System operating satisfactorily.
7/6/2021	3,429	1,632,827.2	155	NS	NS	NS	NS	40.62	System operating satisfactorily.
8/2/2021	4,191	1,637,018.5	156	NS	NS	NS	NS	40.77	System operating satisfactorily.
9/13/2021	7,609	1,644,627.0	181	3,450	<0.32	<0.32	<0.029	40.98	System operating satisfactorily.
10/7/2021	3,575	1,648,201.6	149	NS	NS	NS	NS	41.09	System operating satisfactorily.
11/2/2021	3,723	1,651,924.5	143	NS	NS	NS	NS	41.19	System operating satisfactorily.
12/8/2021	4,805	1,656,729.4	134	2,740	2.3	<0.32	<0.26	41.30	System operating satisfactorily.
1/17/2022	5,680	1,662,409.4	142	NS	NS	NS	NS	41.43	System operating satisfactorily.
2/2/2022	2,102	1,664,511.2	132	NS	NS	NS	NS	41.48	System operating satisfactorily.
3/8/2022	4,321	1,668,832.5	127	2,950	2.3	<0.32	<0.026	41.59	System operating satisfactorily.
4/18/2022	6,375	1,675,207.9	156	NS	NS	NS	NS	41.75	System operating satisfactorily.
5/3/2022	2,752	1,677,960.3	183	NS	NS	NS	NS	41.81	System operating satisfactorily.
6/6/2022	5,208	1,683,168.5	153	4,880	16.4	<0.32	<0.029	42.02	System operating satisfactorily.

Note:

NS = not sampled.

(J) = estimated value.

(<) means constituent not detected above corresponding laboratory method detection limit.

* Multiple polycyclic aromatic hydrocarbon (PAH) compounds were reported. The indicated result represents the sum of the detections and "J" flagged values.

Updated By: B. Wachholz 8/19/2022

Checked By: A. Stehn 8/19/2022

Footnotes:

(1) Average discharge flow rate for reporting period calculated based on volume of groundwater discharged and time elapsed between monitoring events.

(2) Analytical laboratory reports are included in Attachment C.

(3) The noted PAH concentration is the summation of the detected PAH Group 10 compounds after being multiplied by their Toxicity Equivalent Factor as outlined in Appendix C of the WPDES permit.

Table 4: Summary of Groundwater Extraction System Operation - Sump S03
Former Johnson Controls, Inc. - Humboldt Facility
3713 North Humboldt Boulevard
Milwaukee, Wisconsin

Date	Groundwater Discharged This Period (gal)	Cumulative Groundwater Discharged (gal)	Average Discharge Flow Rate[1] (gpd)	Influent Sample Results[2]	Between Carbon 1 Sample Results[2]	Between Carbon 2 Sample Results[2]	Effluent Sample Results[2]		Cumulative TCE Removed[3] (pounds)	Comments
				TCE (µg/L)	TCE (µg/L)	TCE (µg/L)	TCE (µg/L)	PAHs (µg/L)		
6/3/2020	8,636	452,526.1	287	19,300	1.9	<0.26	<0.26	0.016J	290.81	System operating satisfactorily
7/8/2020	3,748	456,273.6	107	NS	NS	NS	NS	NS	291.41	System operating satisfactorily
8/19/2020	5,603	461,876.7	134	NS	NS	NS	NS	NS	292.32	System operating satisfactorily
9/9/2020	2,466	464,342.8	117	15,600	1	<0.26	<0.26	<0.017	292.64	System operating satisfactorily
10/8/2020	3,708	468,051.1	129	NS	NS	NS	NS	NS	293.12	System operating satisfactorily
11/2/2020	2,289	470,340.3	91	NS	NS	NS	NS	NS	293.42	System operating satisfactorily
12/8/2020	2,449	472,788.8	68	27,100	1.1	<0.26	<0.26	<0.018	293.97	System operating satisfactorily
1/6/2021	2,149	474,937.8	74	NS	NS	NS	NS	NS	294.46	System operating satisfactorily
2/1/2021	2,264	477,202.2	87	NS	NS	NS	NS	NS	294.97	System operating satisfactorily
3/1/2021	3,399	480,601.0	121	NS	NS	NS	NS	NS	295.74	System operating satisfactorily
3/22/2021	-	-	-	53,300	1.0	<0.26	<0.26	<0.017	297.25	System operating satisfactorily
4/7/2021	4,740	485,340.8	128	NS	NS	NS	NS	NS	299.35	System operating satisfactorily
5/3/2021	2,461	487,801.3	95	NS	NS	NS	NS	NS	300.45	System operating satisfactorily
6/14/2021	3,822	491,623.4	91	36,500	1.7	<0.32	<0.32	<0.013	301.61	System operating satisfactorily
7/6/2021	2,230	493,853.3	101	NS	NS	NS	NS	NS	302.29	System operating satisfactorily
8/2/2021	1,527	495,380.1	57	NS	NS	NS	NS	NS	302.75	System operating satisfactorily
9/13/2021	4,949	500,329.3	118	27,900	1.3	<0.32	<0.32	<0.029	303.91	System operating satisfactorily
10/7/2021	2,079	502,408.3	87	NS	NS	NS	NS	NS	304.39	System operating satisfactorily
11/2/2021	3,207	505,615.2	123	NS	NS	NS	NS	NS	305.14	System operating satisfactorily
12/8/2021	1,559	507,173.8	43	27,100	0.99 J	<0.32	<0.32	<0.026	305.49	System operating satisfactorily
1/17/2022	3,617	510,790.5	90	NS	NS	NS	NS	NS	306.31	System operating satisfactorily
2/2/2022	216	511,006.0	14	NS	NS	NS	NS	NS	306.35	Frozen effluent piping at floor discharge. Unfroze piping and ran sump to test flow.
3/8/2022	997	512,003.4	29	27,200	0.91 J	<0.32	<0.32	<0.034	306.58	System operating satisfactorily, effluent sample port cleaned with DI water
4/18/2022	10,802	522,805.2	265	NS	NS	NS	NS	NS	309.03	System operating satisfactorily
5/3/2022	4,409	527,214.3	293	NS	NS	NS	NS	NS	310.03	System operating satisfactorily
6/6/2022	5,100	532,314.3	150	39,300	2.1	<0.32	<0.32	<0.026	311.70	System operating satisfactorily

Note:
NS = not sampled.
(J) = estimated value.
(<) means constituent not detected above corresponding laboratory method detection limit.

Updated By: B. Wachholz 8/19/2022
Checked By: B. Fischer 8/19/2022

Footnotes:
(1) Average discharge flow rate for reporting period calculated based on volume of groundwater discharged and time elapsed between monitoring events.
(2) Analytical laboratory reports are included in Attachment C.
(3) If a sample could not be obtained the cumulative VOCs removed from the previous sampling period was assumed. This value may under estimate the actual removal value.

Table 5: Water Level Measurements
Former Johnson Controls, Inc. - Humboldt Facility
3717 North Humboldt Boulevard
Milwaukee, Wisconsin

Date	MW01		MW02		MW03		MW04A		MW04B		MW05		MW06		MW07A		MW07B		MW08		MW09	
	Depth to Water (ft)	Elevation (M.S.L)	Depth to Water (ft)	Elevation (M.S.L.)	Depth to Water (ft)	Elevation (M.S.L.)	Depth to Water (ft)	Elevation (M.S.L.)	Depth to Water (ft)	Elevation (M.S.L.)	Depth to Water (ft)	Elevation (M.S.L.)	Depth to Water (ft)	Elevation (M.S.L.)	Depth to Water (ft)	Elevation (M.S.L.)	Depth to Water (ft)	Elevation (M.S.L.)	Depth to Water (ft)	Elevation (M.S.L.)	Depth to Water (ft)	Elevation (M.S.L.)
Top of Casing Elevation	653.92		663.79		649.69		653.69		653.85		662.57		662.38		662.51		662.48		662.71		663.84	
Land Surface Elevation	654.2		664.3		650.1		654.1		654.1		662.8		662.8		662.8		662.8		663.0		664.1	
Total Well Depth (ft)	17.1		18.6		17.7		17.5		37.0		19.0		17.0		17.5		39.0		17.5		14.9	
07/28/99	2.37	651.55	15.40	648.39	3.40	646.29																
07/29/99	2.55	651.37	14.60	649.19	3.41	646.28																
08/19/99	4.69	649.23	6.40	657.39	4.43	645.26																
09/30/99	5.55	648.37	6.61	657.18	4.29	645.40																
10/27/99	6.12	647.80	6.65	657.14	5.51	644.18																
12/06/99	6.31	647.61	6.84	656.95	5.02	644.67																
12/10/99	7.00	646.92	8.13	655.66	5.62	644.07																
12/14/99	6.52	647.40	7.26	656.53	5.05	644.64																
01/11/00	6.60	647.32	7.05	656.74	4.98	644.71																
02/04/00	6.68	647.24	7.06	656.73	5.01	644.68	Dry	NA	Dry	NA	12.18	650.39	11.17	651.21	Dry	NA	Dry	NA	Dry	NA	NI	NA
02/08/00	7.10	646.82	7.48	656.31	5.48	644.21	15.40	638.29	Dry	NA	12.47	650.10	9.38	653.00	Dry	NA	Dry	NA	14.32	648.39	NI	NA
02/17/00	7.42	646.50	8.72	655.07	6.68	643.01	7.66	646.03	Dry	NA	12.18	650.39	9.31	653.07	13.61	648.90	Dry	NA	8.31	654.40	NI	NA
06/01/00	2.42	651.50	6.89	656.90	2.68	647.01	1.03	652.66	30.23	623.62	7.97	654.60	6.88	655.50	6.73	655.78	28.97	633.51	5.41	657.30	NI	NA
06/08/00	1.38	652.54	6.49	657.30	2.58	647.11	1.49	652.20	29.83	624.02	7.66	654.91	6.71	655.67	6.56	655.95	29.25	633.23	5.13	657.58	NI	NA
08/24/00	4.52	649.40	6.49	657.30	2.95	646.74	3.91	649.78	33.43	620.42	10.06	652.51	7.46	654.92	NM	NM	33.44	629.04	7.59	655.12	NI	NA
01/29/02	3.24	650.68	6.80	656.99	3.25	646.44	4.90	648.79	34.25	619.60	11.40	651.17	8.74	653.64	9.24	653.27	37.57	624.91	7.15	655.56	6.12	657.72
04/09/02	2.31	651.61	6.65	657.14	3.29	646.40	3.55	650.14	31.67	622.18	9.23	653.34	7.73	654.65	7.7	654.81	37.92	624.56	3.88	658.83	5.60	658.24
07/02/02	4.16	649.76	6.44	657.35	6.72	642.97	5.10	648.59	30.82	623.03	9.98	652.59	7.98	654.40	7.86	654.65	37.91	624.57	6.10	656.61	5.82	658.02
09/30/02	5.96	647.96	6.62	657.17	5.87	643.82	6.48	647.21	35.06	618.79	10.70	651.87	7.76	654.62	NM	NM	NM	NM	6.90	655.81	5.05	658.79
04/10/03	5.02	648.90	7.11	656.68	6.04	643.65	7.02	646.67	34.33	619.52	11.52	651.05	8.38	654.00	7.69	654.82	37.84	624.64	4.98	657.73	6.62	657.22
07/28/03	6.12	647.80	6.79	657.00	6.84	642.85	7.02	646.67	35.36	618.49	10.91	651.66	8.13	654.25	8.02	654.49	37.84	624.64	7.08	655.63	5.96	657.88
10/06/03	7.84	646.08	6.98	656.81	6.12	643.57	8.25	645.44	35.33	618.52	11.79	650.78	8.74	653.64	8.82	653.69	37.84	624.64	7.29	655.42	5.42	658.42
02/20/04	6.67	647.25	7.09	656.70	NM	NM	7.57	646.12	35.34	618.51	10.96	651.61	8.74	653.64	8.83	653.68	37.87	624.61	7.34	655.37	6.68	657.16
04/21/04	2.68	651.24	6.64	657.15	4.45	645.24	4.26	649.43	30.18	623.67	9.33	653.24	7.76	654.62	7.46	655.05	37.82	624.66	8.14	654.57	6.57	657.27
10/13/04	6.56	647.36	7.02	656.77	6.97	642.72	7.47	646.22	35.41	618.44	11.18	651.39	8.41	653.97	8.84	653.67	37.86	624.62	7.62	655.09	6.71	657.13
06/27/05	8.60	645.32	6.94	656.85	5.81	643.88	7.39	646.30	35.65	618.20	10.81	651.76	8.03	654.35	8.47	654.04	38.17	624.31	5.11	657.60	6.19	657.65
12/12/05	6.62	647.30	5.53	658.26	NM	NM	7.28	646.41	35.39	618.46	10.69	651.88	8.14	654.24	8.63	653.88	37.94	624.54	7.25	655.46	6.17	657.67
06/27/06	4.72	649.20	6.75	657.04	4.48	645.21	6.22	647.47	34.33	619.52	10.46	652.11	8.09	654.29	8.27	654.24	36.54	625.94	6.94	655.77	5.37	658.47
11/06/06	7.39	646.53	6.67	657.12	6.74	642.95	7.67	646.02	35.47	618.38	10.64	651.93	8.14	654.24	8.64	653.87	35.47	627.01	7.33	655.38	5.26	658.58
02/28/07	NM	NM	7.33	656.46	5.44	644.25	NM	NM	NM	NM	10.79	651.78	9.10	653.28	NM	NM	NM	NM	NM	NM	6.59	657.25
03/29/07	2.11	651.81	6.71	657.08	4.56	645.13	7.08	646.61	37.91	615.94	8.94	653.63	7.68	654.70	7.08	655.43	37.91	624.57	5.42	657.29	6.48	657.36
08/16/07	6.98	646.94	6.81	656.98	4.81	644.88	7.63	646.06	35.45	618.40	11.11	651.46	8.03	654.35	8.47	654.04	37.87	624.61	6.82	655.89	6.43	657.41
02/21/08	NM	NM	6.61	657.18	NM	NM	NM	NM	NM	NM	10.11	652.46	8.24	654.14	NM	NM	NM	NM	NM	NM	6.25	657.59
08/26/08	6.63	647.29	6.92	656.87	4.63	645.06	6.86	646.83	35.46	618.39	10.93	651.64	8.41	653.97	8.84	653.67	37.98	624.50	7.65	655.06	6.23	657.61
10/08/08	7.04	646.88	6.80	656.99	4.51	645.18	7.09	646.60	35.43	618.42	11.02	651.55	7.72	654.66	8.50	654.01	37.98	624.50	4.98	657.73	5.82	658.02
03/25/09	2.03	651.89	6.49	657.30	2.53	647.16	4.42	649.27	30.84	623.01	9.37	653.20	6.48	655.90	7.03	655.48	37.98	624.50	5.23	657.48	5.59	658.25
06/11/09	3.66	650.26	6.70	657.09	2.73	646.96	4.61	649.08	30.41	623.44	9.98	652.59	7.71	654.67	7.72	654.79	37.63	624.85	6.79	655.92	5.05	658.79
09/17/09	7.73	646.19	7.03	656.76	3.21	646.48	7.41	646.28	35.43	618.42	11.51	651.06	8.78	653.60	8.91	653.60	37.58	624.90	7.42	655.29	5.6	658.24
12/15/09	4.48	649.44	6.88	656.91	3.19	646.50	5.29	648.40	34.89	618.96	9.52	653.05	7.94	654.44	8.32	654.19	37.67	624.81	6.22	656.49	5.46	658.38
03/29/10	2.58	651.34	6.75	657.04	3.06	646.63	3.93	649.76	30.45	623.40	9.06	653.51	7.77	654.61	7.19	655.32	37.96	624.52	7.45	655.26	5.49	658.35
06/07/10	4.25	649.67	6.76	657.03	2.95	646.74	5.09	648.60	31.69	622.16	10.11	652.46	7.82	654.56	7.78	654.73	37.67	624.81	6.71	656.00	5.15	658.69
09/07/10	4.81	649.11	6.55	657.24	3.24	646.45	6.52	647.17	31.52	622.33	10.09	652.48	7.85	654.53	7.98	654.53	36.70	625.78	7.32	655.39	5.21	658.63
12/09/10	7.21	646.71	7.03	656.76	4.05	645.64	7.37	646.32	35.48	618.37	11.82	650.75	8.75	653.63	9.01	653.50	36.97	625.51	7.26	655.45	5.56	658.28
03/09/11	7.14	646.78	6.88	656.91	3.96	645.73	7.31	646.38	35.41	618.44	11.73	650.84	8.67	653.71	8.94	653.57	36.93	625.55	7.18	655.53	5.47	658.37
06/29/11	2.50	651.42	6.30	657.49	2.90	646.79	3.68	650.01	30.47	623.38	8.87	653.70	7.10	655.28	6.90	655.61	36.30	626.18				
06/30/11																			7.35	655.36	5.45	658.39
09/29/11	8.43	645.49	5.71	658.08	3.09	646.60	7.48	646.21	35.49	618.36	11.25	651.32	7.88	654.50	8.92	653.59	37.37	625.11	3.98[1]	658.73	6.54	657.30
11/28/11	7.88	646.04	6.76	657.03	3.18	646.51	6.81	646.88	35.49	618.36	10.88	651.69	7.62	654.76	8.34	654.17	36.74	625.74	6.11	656.60	5.40	658.44
03/22/12	2.41	651.51	6.50	657.29	3.14	646.55	3.48	650.21	30.17	623.68	9.23	653.34	7.57	654.81	7.05	655.46	37.28	625.20	6.49	656.22	5.26	658.58
06/25/12	6.61	647.31	6.73	657.06	3.96	645.73	6.78	646.91	34.88	618.97	10.92	651.65	8.24	654.14	8.05	654.46	37.10	625.38	6.61	656.10	5.29	658.55
09/19/12	10.84	643.08	6.81	656.98	4.18	645.51	8.49	645.20	35.45	618.40	11.21	651.36	8.60	653.78	8.09	654.42	37.21	625.27	6.65	656.06	5.06	658.78
10/29/12	12.73	641.19	6.31	657.48	5.05	644.64	7.84	645.85	35.41	618.44	10.61	651.96	7.32	655.06	7.33	655.18	37.04	625.44	4.28	658.43	5.09	658.75
12/27/12																			4.78	657.93	NM	NM
03/25/13	NM	NM	6.34	657.45	NM	NM	3.14	650.55	32.24	621.61	NM	NM	7.89	654.49	NM	NM	NM	NM	5.21	657.50	5.81	658.03

Table 5: Water Level Measurements
Former Johnson Controls, Inc. - Humboldt Facility
3717 North Humboldt Boulevard
Milwaukee, Wisconsin

Date	MW01		MW02		MW03		MW04A		MW04B		MW05		MW06		MW07A		MW07B		MW08		MW09	
	Depth to Water (ft)	Elevation (M.S.L)	Depth to Water (ft)	Elevation (M.S.L.)	Depth to Water (ft)	Elevation (M.S.L.)	Depth to Water (ft)	Elevation (M.S.L.)	Depth to Water (ft)	Elevation (M.S.L.)	Depth to Water (ft)	Elevation (M.S.L.)	Depth to Water (ft)	Elevation (M.S.L.)	Depth to Water (ft)	Elevation (M.S.L.)	Depth to Water (ft)	Elevation (M.S.L.)	Depth to Water (ft)	Elevation (M.S.L.)	Depth to Water (ft)	Elevation (M.S.L.)
Top of Casing Elevation	653.92		663.79		649.69		653.69		653.85		662.57		662.38		662.51		662.48		662.71		663.84	
Land Surface Elevation	654.2		664.3		650.1		654.1		654.1		662.8		662.8		662.8		662.8		663.0		664.1	
Total Well Depth (ft)	17.1		18.6		17.7		17.5		37.0		19.0		17.0		17.5		39.0		17.5		14.9	
06/19/13	2.09	651.83	6.04	657.75	2.94	646.75	3.29	650.40	29.36	624.49	8.62	653.95	7.28	655.10	6.97	655.54	36.44	626.04	6.72	655.99	5.04	658.80
10/15/13	12.68	641.24	6.29	657.50	5.07	644.62	7.81	645.88	35.38	618.47	10.57	652.00	7.35	655.03	7.34	655.17	37.01	625.47	4.25	658.46	5.12	658.72
12/16/13	12.65	641.27	6.67	657.12	4.91	644.78	7.24	646.45	35.45	618.40	10.87	651.70	8.29	654.09	8.66	653.85	36.96	625.52	8.13	654.58	5.91	657.93
03/10/14	12.42	641.50	6.31	657.48	NM	NM	7.04	646.65	35.39	618.46	10.71	651.86	8.07	654.31	8.52	653.99	36.81	625.67	8.02	654.69	5.78	658.06
06/17/14	3.86	650.06	6.15	657.64	3.07	646.62	4.89	648.80	30.10	623.75	8.41	654.16	7.16	655.22	5.88	656.63	36.88	625.60	5.66	657.05	5.03	658.81
12/04/14	7.87	646.05	6.36	657.43	3.78	645.91	5.15	648.54	32.32	621.53	8.92	653.65	7.82	654.56	6.90	655.61	36.51	625.97	6.41	656.30	5.73	658.11
03/09/15	2.14	651.78	6.17	657.62	3.05	646.64	3.11	650.58	35.42	618.43	10.79	651.78	8.15	654.23	8.59	653.92	36.90	625.58	8.14	654.57	5.82	658.02
06/30/15	4.96	648.96	6.87	656.92	3.35	646.34	5.26	648.43	31.25	622.60	9.03	653.54	7.35	655.03	6.91	655.60	35.95	626.53	6.76	655.95	4.67	659.17
09/21/15	8.65	645.27	6.58	657.21	3.64	646.05	5.90	647.79	34.67	619.18	6.57	656.00	6.68	655.70	6.69	655.82	36.48	626.00	4.54	658.17	4.94	658.90
12/10/15	5.61	648.31	6.31	657.48	3.44	646.25	3.55	650.14	28.63	625.22	8.21	654.36	7.06	655.32	6.36	656.15	35.86	626.62	6.48	656.23	5.05	658.79
03/10/16	2.23	651.69	6.22	657.57	3.24	646.45	3.08	650.61	28.53	625.32	8.81	653.76	7.92	654.46	6.69	655.82	36.02	626.46	6.22	656.49	5.33	658.51
06/07/16	3.80	650.12	6.61	657.18	2.96	646.73	4.46	649.23	28.11	625.74	8.99	653.58	7.65	654.73	7.20	655.31	35.21	627.27	6.44	656.27	4.98	658.86
09/06/16	9.81	644.11	6.41	657.38	4.67	645.02	6.48	647.21	33.61	620.24	8.99	653.58	7.21	655.17	7.13	655.38	37.98	624.50	6.32	656.39	4.81	659.03
12/05/16	6.34	647.58	6.62	657.17	4.56	645.13	4.79	648.90	29.83	624.02	8.57	654.00	7.43	654.95	7.19	655.32	36.03	626.45	6.61	656.10	5.55	658.29
03/06/17	3.08	650.84	6.51	657.28	4.21	645.48	3.61	650.08	27.45	626.40	8.27	654.30	7.28	655.10	6.64	655.87	36.75	625.73	6.45	656.26	5.32	658.52
6/7/2017-6/8/2017[2]	3.08	650.84	6.46	657.33	3.21	646.48	3.60	650.09	27.45	626.40	8.78	653.79	7.45	654.93	6.50	656.01	35.22	627.26	6.30	656.41	5.03	658.81
9/5/2017[3]	7.51	646.41	6.67	657.12	4.43	645.26	5.98	647.71	32.29	621.56	10.59	651.98	8.04	654.34	NM	NM	35.21	627.27	NM	NM	5.10	658.74
12/18/17	9.31	644.61	6.58	657.21	4.95	644.74	6.81	646.88	35.58	618.27	11.32	651.25	8.48	653.90	8.77	653.74	34.78	627.70	6.97	655.74	5.98	657.86
03/14/18	2.81	651.11	5.42	658.37	4.63	645.06	3.93	649.76	31.02	622.83	9.49	653.08	7.83	654.55	7.29	655.22	36.83	625.65	NM	NM	5.42	658.42
06/11/18	3.65	650.27	6.41	657.38	3.04	646.65	4.42	649.27	30.98	622.87	8.71	653.86	7.21	655.17	9.44	653.07	35.70	626.78	4.72	657.99	4.68	659.16
09/25/18	3.16	650.76	6.08	657.71	3.41	646.28	3.61	650.08	29.02	624.83	8.51	654.06	7.09	655.29	6.69	655.82	35.71	626.77	6.04	656.67	4.34	659.50
12/12/18	1.85	652.07	6.39	657.40	2.76	646.93	2.83	650.86	27.81	626.04	8.95	653.62	7.41	654.97	6.53	655.98	35.11	627.37	6.11	656.60	5.21	658.63
03/03/19	2.65	651.27	5.04	658.75	NM	NM	3.39	650.30	30.69	623.16	NM	NM	7.58	654.80	NM	NM	NM	NM	NM	NM	5.27	658.57
06/10/19	3.09	650.83	6.11	657.68	2.57	647.12	3.11	650.58	27.31	626.54	8.78	653.79	NM	NM	6.21	656.30	34.69	627.79	5.74	656.97	4.33	659.51
09/09/19	7.65	646.27	6.23	657.56	4.16	645.53	6.06	647.63	32.72	621.13	10.27	652.30	7.61	654.77	7.34	655.17	35.79	626.69	6.29	656.42	4.72	659.12
12/10/19	2.30	651.62	6.29	657.50	3.72	645.97	2.70	650.99	28.21	625.64	8.98	653.59	7.74	654.64	6.69	655.82	35.01	627.47	6.28	656.43	5.29	658.55
03/09/20	3.01	650.91	6.41	657.38	2.95	646.74	3.51	650.18	27.50	626.35	10.04	652.53	8.09	654.29	7.39	655.12	35.87	626.61	6.28	656.43	5.22	658.62
06/03/20	3.04	650.88	6.06	657.73	2.98	646.71	3.23	650.46	26.97	626.88	8.67	653.90	7.33	655.05	6.31	656.20	35.46	627.02	4.31	658.40	4.22	659.62
09/09/20	7.58	646.34	6.13	657.66	3.98	645.71	6.95	646.74	31.99	621.86	9.65	652.92	7.18	655.20	5.28	657.23	36.21	626.27	5.52	657.19	4.48	659.36
12/08/20	8.28	645.64	6.53	657.26	3.92	645.77	5.27	648.42	32.56	621.29	9.94	652.63	7.74	654.64	7.17	655.34	35.58	626.90	6.32	656.39	5.42	658.42
03/22/21	2.26	651.66	6.12	657.67	2.73	646.96	3.21	650.48	28.22	625.63	8.92	653.65	7.89	654.49	6.04	656.47	35.86	626.62	5.33	657.38	5.09	658.75
06/15/21	6.04	647.88	6.61	657.18	3.82	645.87	6.15	647.54	32.21	621.64	10.59	651.98	8.12	654.26	7.86	654.65	35.21	627.27	6.71	656.00	4.61	659.23
09/13/21	8.08	645.84	6.39	657.40	4.34	645.35	5.71	647.98	33.21	620.64	10.17	652.40	7.71	654.67	7.72	654.79	35.63	626.85	6.62	656.09	4.97	658.87
12/08/21	9.79	644.13	6.91	656.88	4.49	645.20	6.92	646.77	35.55	618.30	10.70	651.87	8.22	654.16	7.88	654.63	35.07	627.41	6.55	656.16	5.84	658.00
03/08/22	8.97	644.95	6.38	657.41	4.22	645.47	6.69	647.00	36.14	617.71	10.86	651.71	8.29	654.09	6.42	656.09	35.80	626.68	6.87	655.84	6.21	657.63
06/06/22	7.96	645.96	6.54	657.25	3.38	646.31	4.33	649.36	28.96	624.89	9.21	653.36	7.43	654.95	5.86	656.65	33.86	628.62	5.15	657.56	4.52	659.32

Notes:

Dry = well is dry. No water in well.

NA = not applicable.

NI = not yet installed.

NM = not measured.

Updated by: B. Fischer 8/3/2022

Checked by: B. Wachholz 8/29/2022

Footnote:

(1) Well cover and cap broken, well cap fell into well. Reading may not be accurate.

(2) Monitoring wells MW-04A, - 04B, -05, 06, -07A, -07B, -08 and -09 were gauged on June 7, 2017 before well purging for the groundwater monitoring event was completed. Monitoring well MW-01, -02, and -03 were gauged on June 8, 2017 as these wells do not require purging or monitoring.

(3) Monitoring wells MW07A and MW08 were inaccessible due to material storage.

Table 6: Small Diameter Monitoring Well Groundwater Sampling Results Summary
Former Johnson Controls, Inc. - Humboldt Facility
3717 North Humboldt Boulevard
Milwaukee, Wisconsin

Analytes[1]	Date Collected	NR 140 Standard		Sample ID												
		ES[3]	PAL[4]	TW1-2017	TW2-2017	TW3-2017	TW4-2017	TW4-2017 (DUP)	TW5-2017	TW6-2017	TW7-2017	TW7-2017 (DUP)	TW8-2017	TW11-2017	TW18-2017	TW20-2017
Well TOC Reference Elevation (feet)	-	-	-	659.69	657.16	653.21	662.18	--	651.23	654.31	653.94	--	663.53	663.58	663.48	663.45
Well Depth (feet)	-	-	-	14.84	14.97	14.92	18.38	--	13.62	9.99	12.43	--	14.70	15.05	14.73	15.05
Groundwater Elevation (feet)	3/23/2017	-	-	653.12	649.26	649.63	652.05	--	648.40	652.78	648.87	--	657.78	657.06	655.11	654.33
	6/8/2017			653.45	649.32	648.85	651.72	--	648.74	650.59	648.54	--	657.23	656.88	655.58	655.20
	9/5/2017			652.63	649.02	648.10	650.53	--	646.46	648.97	647.72	--	657.66	656.23	654.96	655.01
	12/18/2017			651.82	648.49	ABD	650.21	--	ABD	ABD	ABD	--	657.62	657.26	--	653.63
	3/14/2018			652.38	648.67	ABD	651.48	--	ABD	ABD	ABD	--	658.49	657.00		653.91
	6/11/2018			653.93	649.28	ABD	651.72	--	ABD	ABD	ABD	--	658.80	657.37	--	654.39
	9/25/2018			653.48	649.33	ABD	652.25	--	ABD	ABD	ABD	--	658.85	657.09	--	654.18
	12/11/2018			653.20	649.22	ABD	652.09	--	ABD	ABD	ABD	--	658.62	656.99	--	654.24
	3/3/2019			652.51	648.53	ABD	651.61	--	ABD	ABD	ABD	--	--	657.23	--	654.14
	6/10/2019			653.82	649.39	ABD	651.76	--	ABD	ABD	ABD	--	659.15	657.12	--	654.96
	9/9/2019			652.98	648.99	ABD	650.53	--	ABD	ABD	ABD	--	657.86	--	--	654.33
	12/10/2019			653.82	649.32	ABD	651.98	--	ABD	ABD	ABD	--	658.69	656.97	655.90	654.81
	3/9/2020			654.71	649.35	ABD	651.47	--	ABD	ABD	ABD	--	658.59	658.60	655.50	654.48
	6/3/2020			654.24	649.38	ABD	651.89	--	ABD	ABD	ABD	--	658.81	658.99	656.51	654.63
	9/9/2020			653.17	649.14	ABD	650.90	--	ABD	ABD	ABD	--	658.86	658.55	655.83	654.54
	12/8/2020			652.53	648.93	ABD	651.21	--	ABD	ABD	ABD	--	658.41	656.97	656.06	654.39
	3/22/2021			654.78	649.40	ABD	652.01	--	ABD	ABD	ABD	--	658.66	658.66	655.59	654.55
	6/15/2021			652.74	649.23	ABD	650.40	--	ABD	ABD	ABD	--	657.94	656.82	655.57	654.11
	9/13/2021			652.56	648.85	ABD	652.08	--	ABD	ABD	ABD	--	658.29	659.84	656.81	654.28
	12/8/2021			651.95	648.70	ABD	650.25	--	ABD	ABD	ABD	--	657.69	656.82	654.89	653.83
	3/8/2022			652.41	648.60	ABD	650.21	--	ABD	ABD	ABD	--	657.13	658.50	654.77	653.67
	6/6/2022			653.65	649.29	ABD	651.73	--	ABD	ABD	ABD	--	658.62	660.71	656.34	654.48
VOCs (µg/l)[2]																
cis-1,2-Dichloroethene	3/23/2017	70	7	<0.26	<0.26	<0.26	<0.26	--	<0.26	<0.26	<0.26	<0.26	1.7	<51.2	***3140 J***	*40.6*
	6/8/2017[5]			<0.26	<0.26	<0.26	<0.26	--	<0.26	<0.26	<0.26	<0.26	1.0	<32.0	***1640 J***	***144***
	12/19/2017			<0.26	<0.26	ABD	<0.26	<0.26	ABD	ABD	ABD	--	1.3	***79.6 J***	--	***184***
	6/12/2018			<0.26	<0.26	ABD	<0.26	--	ABD	ABD	ABD	--	1.7	***383***	--	***195***
	12/11/2018			<0.27	<0.27	ABD	<0.27	--	ABD	ABD	ABD	--	1.5	***537***	--	***217***
	6/11/2019			<0.27	<0.27	ABD	<0.27	--	ABD	ABD	ABD	--	1.2	***106***	--	***188***
	12/11/2019			<0.27	<0.27	ABD	<0.27	--	ABD	ABD	ABD	--	1.4	***158 J***	***3750 J***	***170***
	6/4/2020			<0.27	<0.27	ABD	<0.27	--	ABD	ABD	ABD	--	1.3	***1350***	***2610 J***	***201***
	12/8/2020			<0.27	<0.27	ABD	<0.27	--	ABD	ABD	ABD	--	1.4	***9310***	***4520 J***	***197***
	6/15/2021			<0.47	<0.47	ABD	<0.47	--	ABD	ABD	ABD	--	1.0	***4600***	***6510***	***185***
	6/7/2022			<0.47	<0.47	ABD	<0.47	--	ABD	ABD	ABD	--	1.5	***1160***	***5810***	***166***
trans-1,2-Dichloroethene	3/23/2017	100	10	<0.26	<0.26	<0.26	<0.26	--	<0.26	<0.26	<0.26	<0.26	<0.26	<51.3	<1030	<1.3
	6/8/2017[5]			<0.26	<0.26	<0.26	<0.26	--	<0.26	<0.26	<0.26	<0.26	<0.26	<32.1	<641	3.9J
	12/19/2017			<0.26	<0.26	ABD	<0.26	<0.26	ABD	ABD	ABD	--	<0.26	<32.1	--	7.9 J
	6/12/2018			<0.26	<0.26	ABD	<0.26	--	ABD	ABD	ABD	--	<0.26	<32.1	--	7.2 J
	12/11/2018			<1.1	<1.1	ABD	<1.1	--	ABD	ABD	ABD	--	<1.1	<218	--	<27.3
	6/11/2019			<1.1	<1.1	ABD	<1.1	--	ABD	ABD	ABD	--	<1.1	<109	--	<27.3
	12/11/2019			<1.1	<1.1	ABD	<1.1	--	ABD	ABD	ABD	--	<1.1	<218	<5450	<27.3
	6/4/2020			<0.46	<0.46	ABD	<0.46	--	ABD	ABD	ABD	--	<0.46	<92.8	<2320	<11.6
	12/8/2020			<0.46	<0.46	ABD	<0.46	--	ABD	ABD	ABD	--	<0.46	<92.8	<2320	*12.7 J*
	6/15/2021			<0.53	<0.53	ABD	<0.53	--	ABD	ABD	ABD	--	<0.53	<106	<2640	<13.2
	6/7/2022			<0.53	<0.53	ABD	<0.53	--	ABD	ABD	ABD	--	<0.53	<106	<2640	<13.2

Table 6: Small Diameter Monitoring Well Groundwater Sampling Results Summary
Former Johnson Controls, Inc. - Humboldt Facility
3717 North Humboldt Boulevard
Milwaukee, Wisconsin

Analytes[1]	Date Collected	NR 140 Standard		Sample ID												
		ES[3]	PAL[4]	TW1-2017	TW2-2017	TW3-2017	TW4-2017	TW4-2017 (DUP)	TW5-2017	TW6-2017	TW7-2017	TW7-2017 (DUP)	TW8-2017	TW11-2017	TW18-2017	TW20-2017
Well TOC Reference Elevation (feet)	-	-	-	659.69	657.16	653.21	662.18	--	651.23	654.31	653.94	--	663.53	663.58	663.48	663.45
Well Depth (feet)	-	-	-	14.84	14.97	14.92	18.38	--	13.62	9.99	12.43	--	14.70	15.05	14.73	15.05
1,1-Dichloroethane	3/23/2017	850	85	<0.41	<0.41	0.56	<0.41	--	<0.41	<0.41	<0.24	<0.41	<0.41	<82.0	<1640	<2.1
	6/8/2017[5]			<0.24	<0.24	0.32 J	<0.24	--	<0.24	<0.24	<0.24	<0.24	<0.24	<30.2	<604	<2.4
	12/19/2017			<0.24	<0.24	ABD	<0.24	<0.24	ABD	ABD	ABD	--	<0.26	<30.2	--	<2.4
	6/12/2018			<0.24	<0.24	ABD	<0.24	--	ABD	ABD	ABD	--	<0.24	<30.2	--	<6.0
	12/11/2018			<0.27	<0.27	ABD	<0.27	--	ABD	ABD	ABD	--	<0.27	<54.5	--	<6.8
	6/11/2019			<0.27	<0.27	ABD	<0.27	--	ABD	ABD	ABD	--	<0.27	<27.3	--	<6.8
	12/11/2019			<0.27	<0.27	ABD	<0.27	--	ABD	ABD	ABD	--	<0.27	<54.5	<1360	<6.8
	6/4/2020			<0.27	<0.27	ABD	<0.27	--	ABD	ABD	ABD	--	<0.27	<54.5	<1360	<6.8
	12/8/2020			<0.27	<0.27	ABD	<0.27	--	ABD	ABD	ABD	--	<0.27	<54.5	<1360	<6.8
	6/15/2021			<0.30	<0.30	ABD	<0.30	--	ABD	ABD	ABD	--	<0.30	<59.1	<1480	<7.4
	6/7/2022			<0.30	<0.30	ABD	<0.30	--	ABD	ABD	ABD	--	<0.30	<59.1	<1480	<7.4
Methylene Chloride	3/23/2017	5	0.5	<0.23	<0.23	<0.23	<0.23	--	<0.23	<0.23	<0.23	<0.23	<0.23	<46.5	<930	<1.2
	6/8/2017[5]			<0.23	<0.23	<0.23	<0.23	--	<0.23	<0.23	<0.23	<0.23	<0.23	<29.1	***2010 J***	<2.3
	12/19/2017			<0.23	<0.23	ABD	<0.23	<0.23	ABD	ABD	ABD	--	<0.23	<29.1	--	<2.3
	6/12/2018			<0.23	<0.23	ABD	<0.23	--	ABD	ABD	ABD	--	<0.23	<29.1	--	<5.8
	12/11/2018			<0.58	<0.58	ABD	<0.58	--	ABD	ABD	ABD	--	<0.58	<116	--	<14.5
	6/11/2019			<0.58	<0.58	ABD	<0.58	--	ABD	ABD	ABD	--	<0.58	<58.1	--	<14.5
	12/11/2019			<0.58	<0.58	ABD	<0.58	--	ABD	ABD	ABD	--	<0.58	<116	<2900	<14.5
	6/4/2020			<0.58	<0.58	ABD	<0.58	--	ABD	ABD	ABD	--	<0.58	<116	<2900	<14.5
	12/8/2020			<0.58	<0.58	ABD	<0.58	--	ABD	ABD	ABD	--	<0.58	<116	<2900	<14.5
	6/15/2021			<0.32	<0.32	ABD	<0.32	--	ABD	ABD	ABD	--	<0.32	<63.9	<1600	<8.0
	6/7/2022			<0.32	<0.32	ABD	<0.32	--	ABD	ABD	ABD	--	<0.32	<63.9	<1600	<8.0
Trichloroethene	3/23/2017	5	0.5	0.33 J	<0.33	<0.33	4.60	--	<0.33	0.46 J	<0.33	<0.33	***7.9***	***28300***	***284000***	***344***
	6/8/2017[5]			*1.2*	<0.33	<0.33	<0.33	--	<0.33	<0.33	<0.33	<0.33	***17.1***	***9270***	***204000***	***1090***
	12/19/2017			<0.33	<0.33	ABD	<0.33	<0.33	ABD	ABD	ABD	--	*4.6*	***15700***	--[5]	***2530***
	6/12/2018			<0.33	<0.33	ABD	<0.33	--	ABD	ABD	ABD	--	***7.8***	***21800***	--[5]	***2380***
	12/11/2018			<0.26	<0.26	ABD	<0.26	--	ABD	ABD	ABD	--	***5.7***	***20000***	--	***2720***
	6/11/2019			<0.26	<0.26	ABD	<0.26	--	ABD	ABD	ABD	--	*4.5*	***8600***	--	***2440***
	12/11/2019			<0.26	<0.26	ABD	<0.26	--	ABD	ABD	ABD	--	***6.5***	***16500***	***461000***	***2800***
	6/4/2020			<0.26	<0.26	ABD	<0.26	--	ABD	ABD	ABD	--	***5.4***	***22800***	***664000***	***2770***
	12/8/2020			<0.26	<0.26	ABD	<0.26	--	ABD	ABD	ABD	--	***6.5***	***24800***	***324000***	***3070***
	6/15/2021			<0.32	<0.32	ABD	<0.32	--	ABD	ABD	ABD	--	*3.5*	***7350***	***463000***	***2700***
	6/7/2022			<0.32	<0.32	ABD	<0.32	--	ABD	ABD	ABD	--	***6.6***	***29600***	***468000***	***2390***

Notes:

Updated by: B. Fischer 8/3/2022

Checked by: B. Wachholz 8/29/2022

< Means constituent not detected above corresponding laboratory method detection limit.

ABD = Well Abandoned on December 1, 2017.

µg/l = micrograms per liter (ppb).

- = Standard not established

-- = Not analyzed and/or data not collected

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

BOLD = reported concentration equals or exceeds NR140 Enforcement Standard (ES).

Italics = reported concentration equals or exceeds NR140 Preventive Action Limit (PAL).

Footnotes:

(1) Only analytes that were detected in at least one sample are shown in the table.

(2) VOCs = Volatile Organic Compounds analyzed using EPA Method 8260; only the VOCs detected are listed above.

(3) NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard.

(4) NR 140 PAL = Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit.

(5) TW18-2017 - June sample collected on June 9, 2017. No sample collected in December 2017 or June 2018 due to issues with access.

Table 7: Summary of Groundwater Monitoring Analytical Results - CVOCs
Former Johnson Controls, Inc. - Humboldt Facility
3713 North Humboldt Boulevard
Milwaukee, Wisconsin

Well ID	Date	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
	NR 140 ES	**5**	**70**	**100**	**850**	**0.2**
	NR 140 PAL	**0.5**	**7**	**20**	**85**	**0.02**
MW01	4/9/2002	<0.3	<0.4	<0.8	<0.9	<0.4
	9/30/2002	<0.6	<0.5	<0.4	<0.5	<0.3
	4/10/2003	<0.6	<0.5	<0.4	<0.5	<0.3
	4/21/2004	<0.6	<0.5	<0.4	<0.5	<0.3
	6/27/2005	NM	NM	NM	NM	NM
	12/12/2005	<0.15	<0.6	<0.6	<0.5	<0.12
	6/8/2016	<0.50	<0.26	<0.26	<0.41	<0.18
MW02	4/9/2002	<0.3	<0.4	<0.8	<0.9	<0.4
	9/30/2002	<0.6	<0.5	<0.4	<0.4	<0.3
	4/10/2003	<0.6	<0.5	<0.4	<0.4	<0.3
	4/21/2004	<0.6	<0.5	<0.4	<0.4	<0.3
	6/27/2005	NM	NM	NM	NM	NM
	12/12/2005	<0.15	<0.6	<0.6	<0.5	<0.12
	6/8/2016	<0.50	<0.26	<0.26	<0.41	<0.18
MW03	4/9/2002	<0.3	<0.4	<0.8	<0.9	<0.4
	9/30/2002	<0.6	<0.5	<0.4	<0.4	<0.3
	4/10/2003	<0.6	<0.5	<0.4	<0.4	<0.3
	4/21/2004	<0.6	<0.5	<0.4	<0.4	<0.3
	6/27/2005	NM	NM	NM	NM	NM
	12/12/2005	NM	NM	NM	NM	NM
	6/27/2006	<0.15	<0.4	<0.4	<0.3	<0.15
MW04A	4/9/2002	*1.5*	<0.4	<0.8	<0.9	<0.4
	9/30/2002	*1.1*	<0.5	<0.4	<0.4	<0.3
	4/10/2003	<0.6	<0.5	<0.4	<0.4	<0.3
	4/21/2004	*0.89*	<0.5	<0.4	<0.4	<0.3
	10/13/2004	<0.6	<0.5	<0.4	<0.4	<0.3
	6/27/2005	*0.54*	<0.6	<0.6	<0.5	<0.12
	12/12/2005	0.25	<0.6	<0.6	<0.5	<0.12
	6/27/2006	*0.75*	<0.4	<0.4	<0.3	<0.15
	8/16/2007	0.2	<0.4	<0.5	<0.4	<0.15
	8/26/2008	0.43	<0.4	<0.5	<0.4	<0.15
	9/17/2009	*0.5*	<0.4	<0.5	<0.4	<0.15
	12/15/2009	0.36	<0.4	<0.5	<0.4	<0.15
	6/7/2010[(1)]	0.56	<0.25	<0.25	<0.24	<0.18
	12/9/2010[(1)]	0.37	<0.25	<0.25	<0.24	<0.18
	6/29/2011[(1)]	*0.88*	<0.30	<0.30	<0.29	<0.19
	11/28/2011[(1)]	*0.57*	<0.30	<0.30	<0.29	<0.19
	6/25/2012[(1)]	*0.95*	<0.30	<0.30	<0.24	<0.18
	10/29/2012[(1)]	*0.56*	<0.30	<0.30	<0.24	<0.18
	6/19/2013[(1)]	*0.56*	<0.30	<0.30	<0.24	<0.18
	12/16/2013[(1)]	*0.79*	<0.30	<0.30	<0.24	<0.18
	6/17/2014[(1)]	*0.96 J*	<0.26	<0.26	<0.41	<0.18
	12/4/2014[(1)]	*0.55*	<0.21	<0.20	<0.23	<0.18
	6/30/2015	*1.6*	<0.3	<0.3	<0.27	<0.18
	12/10/2015	*1.3*	<0.30	<0.30	<0.27	<0.18
	6/8/2016	<0.50	<0.26	<0.26	<0.41	<0.18
	12/6/2016	**24.3**	<0.26	<0.26	<0.41	<0.18
	6/8/2017	**13.8**	<0.26	<0.26	<0.41	<0.18
	12/19/2017	**6.8**	<0.26	<0.26	<0.41	<0.18
	6/12/2018	**5.8**	<0.26	<0.26	<0.41	<0.18
	12/12/2018	**13.1**	<0.27	<1.1	<0.24	<0.17
	6/11/2019	**7.7**	<0.27	<1.1	<0.24	<0.17
	12/11/2019	**8.6**	<0.27	<1.1	<0.24	<0.17

Table 7: Summary of Groundwater Monitoring Analytical Results - CVOCs
Former Johnson Controls, Inc. - Humboldt Facility
3713 North Humboldt Boulevard
Milwaukee, Wisconsin

Well ID	Date	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
	NR 140 ES	**5**	**70**	**100**	**850**	**0.2**
	NR 140 PAL	**0.5**	**7**	**20**	**85**	**0.02**
MW04A (cont.)	6/4/2020	**5.5**	<0.27	<0.46	<0.24	<0.17
	12/8/2020	**8.5**	<0.27	<0.46	<0.24	<0.17
	6/15/2021	**6.4**	<0.47	<0.53	<0.58	<0.17
	12/9/2021	**8.0**	<0.47	<0.53	<0.58	<0.17
	6/7/2022	**9.3**	<0.47	<0.53	<0.30	<0.17
MW04B	4/9/2002	<0.3	<0.4	<0.8	<0.9	<0.4
	9/30/2002	<0.6	<0.5	<0.4	<0.4	<0.3
	4/10/2003	NA	NA	NA	NA	NA
	4/21/2004	<0.6	<0.5	<0.4	<0.4	<0.3
	10/13/2004	NM	NM	NM	NM	NM
	6/27/2005	NM	NM	NM	NM	NM
	12/12/2005	NM	NM	NM	NM	NM
	6/27/2006	<0.15	<0.4	<0.4	<0.3	<0.15
	8/16/2007	<0.15	<0.4	<0.5	<0.4	<0.15
	12/15/2009	<0.15	<0.4	<0.5	<0.4	<0.15
	6/7/2010	<0.21	<0.25	<0.25	<0.24	<0.18
	12/9/2010[2]	NM	NM	NM	NM	NM
	6/29/2011	<0.40	<0.30	<0.30	<0.29	<0.19
	11/28/2011	<0.40	<0.30	<0.30	<0.29	<0.19
	6/25/2012	<0.50	<0.30	<0.30	<0.24	<0.18
	10/29/2012	NM	NM	NM	NM	NM
	6/19/2013	<0.50	<0.30	<0.30	<0.24	<0.18
	12/16/2013	<0.50	<0.30	<0.30	<0.24	<0.18
	6/17/2014	<0.33	<0.26	<0.26	<0.41	<0.18
	12/4/2015	<0.24	<0.21	<0.20	<0.23	<0.18
	6/30/2015	<0.30	<0.3	<0.3	<0.27	<0.18
	12/10/2015	<0.30	<0.30	<0.30	<0.27	<0.18
	6/8/2016	<0.50	<0.26	<0.26	<0.41	<0.18
	12/6/2016	<0.33	<0.26	<0.26	<0.41	<0.18
	6/8/2017	*0.51 J*	<0.26	<0.26	<0.41	<0.18
	12/19/2017	NM [5]	NM [5]	NM [5]	NM [5]	NM [5]
	6/12/2018	<0.33	<0.26	<0.26	<0.41	<0.18
	12/12/2018	<0.26	<0.27	<1.1	<0.24	<0.17
	6/11/2019	<0.26	<0.27	<1.1	<0.24	<0.17
	12/11/2019	<0.26	<0.27	<1.1	<0.24	<0.17
	6/4/2020	<0.26	<0.27	<0.46	<0.24	<0.17
	12/8/2020	<0.26	<0.27	<0.46	<0.24	<0.17
	6/15/2021	<0.32	<0.47	<0.53	<0.58	<0.17
	6/7/2022	<0.32	<0.47	<0.53	<0.30	<0.17
MW05	4/9/2002	<0.3	<0.4	<0.8	<0.9	<0.4
	9/30/2002	<0.6	<0.5	<0.4	<0.4	<0.3
	4/10/2003	<0.6	<0.5	<0.4	<0.4	<0.3
	4/21/2004	<0.6	<0.5	<0.4	<0.4	<0.3
	6/27/2005	NM	NM	NM	NM	NM
	12/12/2005	<0.15	<0.6	<0.6	<0.5	<0.12
	11/6/2006	<0.15	<0.4	<0.4	<0.3	<0.15
	2/28/2007	<0.15	<0.4	<0.4	<0.3	<0.15
	2/21/2008	<0.15	<0.40	<0.50	<0.40	<0.15
	6/11/2009	<0.15	<0.4	<0.5	<0.4	<0.15
	12/15/2009	<0.15	<0.4	<0.5	<0.4	<0.15
	6/7/2010	<0.21	<0.25	<0.25	<0.24	<0.18
	6/29/2011	<0.40	<0.30	<0.30	<0.29	<0.19
	6/29/2011 Duplicate	<0.40	<0.30	<0.30	<0.29	<0.19

Table 7: Summary of Groundwater Monitoring Analytical Results - CVOCs
Former Johnson Controls, Inc. - Humboldt Facility
3713 North Humboldt Boulevard
Milwaukee, Wisconsin

Well ID	Date	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
	NR 140 ES	**5**	**70**	**100**	**850**	**0.2**
	NR 140 PAL	**0.5**	**7**	**20**	**85**	**0.02**
MW05 (cont.)	6/25/2012	<0.50	<0.30	<0.30	<0.24	<0.18
	6/19/2013	<0.50	<0.30	<0.30	<0.24	<0.18
	6/17/2014	NM[(4)]	NM[(4)]	NM[(4)]	NM[(4)]	NM[(4)]
	12/4/2014	<0.24	<0.21	<0.20	<0.23	<0.18
	6/30/2015	<0.30	<0.30	<0.30	<0.27	<0.18
	12/10/2015	<0.30	<0.30	<0.30	<0.27	<0.18
	6/8/2016	<0.50	<0.26	<0.26	<0.41	<0.18
	6/8/2017	<0.33	<0.26	<0.26	<0.41	<0.18
	6/12/2018	<0.33	<0.26	<0.26	<0.41	<0.18
	6/11/2019	<0.26	<0.27	<1.1	<0.24	<0.17
	6/4/2020	<0.26	<0.27	<0.46	<0.24	<0.17
	6/15/2021	<0.32	<0.47	<0.53	<0.58	<0.17
	6/7/2022	<0.32	<0.47	<0.53	<0.30	<0.17
MW06	4/9/2002	*3.3*	<0.4	<0.8	<0.9	<0.4
	9/30/2002	**8.4**	<0.5	<0.4	<0.4	<0.3
	4/10/2003	*4.6*	<0.5	<0.4	<0.4	<0.3
	6/27/2005	NM	NM	NM	NM	NM
	4/21/2004	*4.7*	<0.5	<0.4	<0.4	<0.3
	10/13/2004	*4.2*	<0.5	<0.4	<0.4	<0.3
	6/27/2005	NM	NM	NM	NM	NM
	12/12/2005	*3.4*	<0.6	<0.6	<0.5	<0.12
	11/6/2006	*3*	<0.4	<0.4	<0.3	<0.15
	2/28/2007	*3.2*	<0.4	<0.4	<0.3	<0.15
	2/21/2008	*4.4*	<0.40	<0.50	<0.40	<0.15
	6/11/2009	*2.4*	<0.4	<0.5	<0.4	<0.15
	12/15/2009	**5.0**	<0.4	<0.5	<0.4	<0.15
	6/7/2010	*2.8*	<0.25	<0.25	<0.24	<0.18
	12/9/2010	*3.2*	<0.25	<0.25	<0.24	<0.18
	6/29/2011	*3.3*	<0.30	<0.30	<0.29	<0.19
	11/28/2011	*4.8*	<0.30	<0.30	<0.29	<0.19
	6/25/2012	*3.6*	<0.30	<0.30	<0.24	<0.18
	10/29/2012	*4.7*	<0.30	<0.30	<0.30	<0.18
	6/19/2013	*3.6*	<0.30	<0.30	<0.24	<0.18
	12/16/2013	*4.3*	<0.30	<0.30	<0.24	<0.18
	6/17/2014	*4.2*	<0.26	<0.26	<0.41	<0.18
	12/4/2014	*3.4*	<0.21	<0.20	<0.23	<0.18
	6/30/2015	*2.5*	<0.30	<0.30	<0.27	<0.18
	12/10/2015	*2.2*	<0.30	<0.30	<0.27	<0.18
	6/8/2016	*1.4*	<0.26	<0.26	<0.41	<0.18
	12/6/2016	*1.4*	<0.26	<0.26	<0.41	<0.18
	6/8/2017	*1.7*	<0.26	<0.26	<0.41	<0.18
	12/19/2017	*3.1*	<0.26	<0.26	<0.41	<0.18
	6/12/2018	*2.8*	<0.26	<0.26	<0.41	<0.18
	12/12/2018	*2.9*	<0.27	<1.1	<0.24	<0.17
	12/11/2019	*2.5*	<0.27	<1.1	<0.24	<0.17
	6/4/2020	*0.87 J*	<0.27	<0.46	<0.24	<0.17
	12/8/2020	*2.7*	<0.27	<0.46	<0.24	<0.17
	12/8/2020 Duplicate	*2.7*	<0.27	<0.46	<0.24	<0.17
	6/15/2021	*1.8*	<0.47	<0.53	<0.58	<0.17
	12/9/2021	*3.1*	<0.47	<0.53	<0.58	<0.17
	6/7/2022	*1.7*	<0.47	<0.53	<0.30	<0.17

Table 7: Summary of Groundwater Monitoring Analytical Results - CVOCs
Former Johnson Controls, Inc. - Humboldt Facility
3713 North Humboldt Boulevard
Milwaukee, Wisconsin

Well ID	Date	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
	NR 140 ES	**5**	**70**	**100**	**850**	**0.2**
	NR 140 PAL	**0.5**	**7**	**20**	**85**	**0.02**
MW07A	1/29/2002	**7.6**	<0.4	<0.8	<0.9	<0.4
	4/9/2002	**8.8**	<0.4	<0.8	<0.9	<0.4
	7/2/2002	**6.3**	<0.5	<0.4	<0.4	<0.4
	9/30/2002	NM	NM	NM	NM	NM
	4/10/2003	**18**	<0.5	<0.4	<0.4	<0.4
	7/28/2003	**11**	<0.5	<0.4	<0.4	<0.4
	10/6/2003	**7.8**	<0.5	<0.4	<0.4	<0.4
	2/20/2004	**11**	<0.50	<0.40	<0.40	<0.30
	4/21/2004	**11**	<0.50	<0.40	<0.40	<0.30
	10/13/2004	**9.2**	<0.50	<0.40	<0.40	<0.30
	9/30/2002	NM	NM	NM	NM	NM
	6/27/2005	**10**	<0.6	<0.6	<0.5	<0.12
	12/12/2005	**6.4**	<0.6	<0.6	<0.5	<0.12
	6/27/2006	**12**	<0.4	<0.4	<0.30	<0.15
	8/16/2007	**9.9**	<0.4	<0.5	<0.4	<0.15
	8/26/2008	**9.7**	<0.4	<0.5	<0.4	<0.15
	9/17/2009	**11**	<0.4	<0.5	<0.4	<0.15
	12/15/2009	**21**	<0.4	<0.5	<0.4	<0.15
	6/7/2010	**11**	<0.25	<0.25	<0.24	<0.18
	6/7/2010 Duplicate	**11**	<0.25	<0.25	<0.24	<0.18
	12/9/2010	**11**	<0.25	<0.25	<0.24	<0.18
	12/9/2010 Duplicate	**9.7**	<0.25	<0.25	<0.24	<0.18
	6/29/2011	**17**	<0.30	<0.30	<0.29	<0.19
	11/28/2011	**12**	<0.30	<0.30	<0.29	<0.19
	6/25/2012	**11**	<0.30	<0.30	<0.24	<0.18
	10/29/2012	**11**	<0.30	<0.30	<0.24	<0.18
	6/19/2013	**13**	<0.30	<0.30	<0.24	<0.18
	12/16/2013	**19**	<0.30	<0.30	<0.24	<0.18
	6/17/2014	**8.2**	<0.26	<0.26	<0.41	<0.18
	12/4/2014	**8.8**	<0.21	<0.20	<0.23	<0.18
	6/30/2015	**8.6**	<0.30	<0.30	<0.27	<0.18
	12/10/2015	**7.3**	<0.30	<0.30	<0.27	<0.18
	6/8/2016	**13.8**	<0.26	<0.26	<0.41	<0.18
	12/6/2016	**15.4**	<0.26	<0.26	<0.41	<0.18
	6/8/2017	**9.1**	<0.26	<0.26	<0.41	<0.18
	12/18/2017	**13.5**	<0.26	<0.26	<0.41	<0.18
	6/12/2018	**16.2**	<0.26	<0.26	<0.41	<0.18
	12/12/2018	**14.4**	<0.27	<1.1	<0.24	<0.17
	6/11/2019	**13.3**	<0.27	<1.1	<0.24	<0.17
	12/11/2019	**13.6**	<0.27	<1.1	<0.24	<0.17
	6/4/2020	**17.7**	<0.27	<0.46	<0.24	<0.17
	12/8/2020	**14.3**	<0.27	<0.46	<0.24	<0.17
	6/15/2021	**16.6**	<0.47	<0.53	<0.58	<0.17
	12/9/2021	**18.0**	<0.47	<0.53	<0.58	<0.17
	6/7/2022	**17.7**	<0.47	<0.53	<0.30	<0.17
MW07B	12/15/2009	0.28	<0.4	<0.5	<0.4	<0.15
	6/7/2010[(2)]	NM	NM	NM	NM	NM
	12/9/2010[(3)]	<0.21	<0.25	<0.25	<0.24	<0.18
	6/29/2011	<0.40	<0.30	<0.30	<0.29	<0.19
	11/28/2011	<0.40	<0.30	<0.30	<0.29	<0.19
	6/25/2012	<0.50	<0.30	<0.30	<0.24	<0.18
	10/29/2012	<0.50	<0.30	<0.30	<0.24	<0.18
	6/19/2013	<0.50	<0.30	<0.30	<0.24	<0.18

Table 7: Summary of Groundwater Monitoring Analytical Results - CVOCs
Former Johnson Controls, Inc. - Humboldt Facility
3713 North Humboldt Boulevard
Milwaukee, Wisconsin

Well ID	Date	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
	NR 140 ES	**5**	**70**	**100**	**850**	**0.2**
	NR 140 PAL	**0.5**	**7**	**20**	**85**	**0.02**
MW07B (cont.)	12/16/1930	<0.50	<0.30	<0.30	<0.24	<0.18
	6/17/2014	<0.33	<0.26	<0.26	<0.41	<0.18
	12/4/2014	<0.24	<0.21	<0.20	<0.23	<0.18
	6/30/2015	<0.30	<0.30	<0.30	<0.27	<0.18
	12/10/2015	<0.30	<0.30	<0.30	<0.27	<0.18
	6/8/2016	<0.33	<0.26	<0.26	<0.41	<0.18
	12/6/2016	<0.33	<0.26	<0.26	<0.41	<0.18
	6/8/2017	<0.33	<0.26	<0.26	<0.41	<0.18
	12/18/2017	<0.33	<0.26	<0.26	<0.41	<0.18
	6/12/2018	<0.33	<0.26	<0.26	<0.41	<0.18
	12/12/2018	<0.26	<0.27	<1.1	<0.24	<0.17
	6/11/2019	<0.26	<0.27	<1.1	<0.24	<0.17
	6/11/2019 Duplicate	<0.26	<0.27	<1.1	<0.24	<0.17
	12/11/2019	<0.26	<0.27	<1.1	<0.24	<0.17
	6/4/2020	<0.26	<0.27	<0.46	<0.24	<0.17
	12/8/2020	<0.26	<0.27	<0.46	<0.24	<0.17
	6/15/2021	<0.32	<0.47	<0.53	<0.58	<0.17
	12/9/2021	<0.32	<0.47	<0.53	<0.58	<0.17
	6/7/2022	<0.32	<0.47	<0.53	<0.30	<0.17
MW08	1/29/2002	**78,000**	**490**	**200**	<200	<100
	4/9/2002	**68,000**	<1,000	<2,000	<2,300	<1,000
	7/2/2002	**64,000**	<1,300	<1,000	<1,000	<1,000
	9/30/2002	**81,000**	<1,300	<1,000	<1,000	<750
	4/10/2003	**79,000**	<1,300	<1,000	<1,000	<750
	7/28/2003	**63,000**	<1000	<800	<800	<600
	10/6/2003	**59,000**	<1000	<800	<800	<600
	2/20/2004	**78,000**	<2500	<2000	<2000	<1500
	4/21/2004	**73,000**	200	<100	<100	<75
	10/13/2004	**49,000**	<1,300	<1,000	<1,000	<750
	6/27/2005	**42,000**	<1200	<1200	<1000	<240
	12/12/2005	**36,000**	<3000	<3000	<2500	<600
	6/27/2006	**35,000**	<2,000	<2,000	<1500	<750
	8/16/2007	**24,000**	<800	<1000	<800	<300
	8/26/2008	**26,000**	<400	<500	<400	<150
	9/17/2009	**30,000**	<200	<250	<200	<75
	12/15/2009	**7,400**	<40	<50	<40	<15
	6/7/2010	**16,000**	*41*	<25	<24	<18
	12/9/2010	**16,000**	<63	<63	<60	<45
	6/30/2011	**6,700**	<75	<75	<73	<48
	11/28/2011	**6,200**	<60	<60	<58	<38
	11/28/2011 Duplicate	**6,500**	<60	<60	<58	<38
	6/25/2012	**8,900**	**81**[(1)]	<60	<48	<36
	6/25/2012 Duplicate	**8,900**	<60	<60	<48	<36
	10/29/2012	**3,600**	<30	<30	<24	<18
	12/27/2012	**1,900**	<6.0	<6.0	<6.0	<3.6
	6/19/2013	**6,400**	*16*	<15	<12	<9.0
	6/19/13 Duplicate	**6,300**	*20*	<15	<12	<9.0
	12/16/2013	**10,000**	<60	<60	<48	<36
	12/16/13 Duplicate	**10,000**	<60	<60	<48	<36
	6/17/2014	**6,670**	<25.6	<25.7	<41	<17.6
	6/17/2014 Duplicate	**6,420**	<25.6	<25.7	<41	<17.6
	12/4/2014	**5,000**	<42	<40	<46	<36
	12/4/2014 Duplicate	**5,500**	<42	<40	<46	<36

Table 7: Summary of Groundwater Monitoring Analytical Results - CVOCs
Former Johnson Controls, Inc. - Humboldt Facility
3713 North Humboldt Boulevard
Milwaukee, Wisconsin

Well ID	Date	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
	NR 140 ES	**5**	**70**	**100**	**850**	**0.2**
	NR 140 PAL	**0.5**	**7**	**20**	**85**	**0.02**
MW08 (cont.)	6/30/2015	**5,200**	<60	<60	<54	<36
	6/30/2015 Duplicate	**5,700**	<60	<60	<54	<36
	12/10/2015	**6,100**	30(1)	<30	<27	<18
	12/10/2015 Duplicate	**5,900**	<30	<30	<27	<18
	6/8/2016	**4,970**	<25.6	<25.7	<41.0	<17.6
	6/8/2016 Duplicate	**4,970**	<10.2	<10.3	<16.4	<7.0
	12/6/2016	**5,180**	<25.6	<25.7	<41.0	<17.6
	12/6/2016 Duplicate	**6,600**	*39.3*	<6.4	<10.3	<4.4
	6/8/2017	**4,370**	<25.6	<25.7	<41.0	<17.6
	12/19/2017	**6,470**	<25.6	<25.7	<41.0	<17.6
	12/19/2017 Duplicate	**6,270**	*29.9J*	<25.7	<41.0	<17.6
	6/12/2018	**6,150**	<25.6	<25.7	<41.0	<17.6
	6/12/2018 Duplicate	**6,150**	<25.6	<25.7	<41.0	<17.6
	12/12/2018	**6,090**	<27.1	<109	<24.5	<17.5
	12/12/2018 Duplicate	**5,910**	*43.1 J*	<136	<30.6	<21.8
	6/11/2019	**6,200**	<13.6	<54.5	<12.2	<8.7
	12/11/2019	**6,340**	*30.3 J*	<54.5	<12.2	<8.7
	12/11/2019 Duplicate	**5,980**	*20.6 J*	<54.5	<12.2	<8.7
	6/4/2020	**6,040**	*17.7 J*	<23.2	<12.2	<8.7
	6/4/2020 Duplicate	**5,580**	*12.3*	1.3 J	0.42 J	<0.17
	12/8/2020	**5,320**	<13.6	<23.2	<12.2	<8.7
	12/8/2020 Duplicate	**5,490**	*7.2 J*	<11.6	<6.8	<4.4
	6/15/2021	**5,180**	<23.6	<26.4	<29.1	<8.7
	6/15/2021 Duplicate	**5,850**	<47.2	<52.8	<58.2	<17.4
	12/9/2021	**5,930**	*51.5*	<26.4	<29.1	<8.7
	12/9/2021 Duplicate	**6,300**	*20.0*	2.0	1.3	0.48 J
	6/7/2022	**5,290**	<23.6	<26.4	<14.8	<8.7
	6/7/2022 Duplicate	**5,470**	<47.2	<52.8	<29.6	<17.4
MW09	1/29/2002	<0.3	<0.4	<0.8	<0.9	<0.4
	4/9/2002	<0.3	<0.4	<0.8	<0.9	<0.4
	7/2/2002	<0.6	<0.5	<0.4	<0.4	<0.4
	9/30/2002	<0.6	<0.5	<0.4	<0.4	<0.3
	4/10/2003	<0.6	<0.5	<0.40	<0.5	<0.4
	7/28/2003	<0.6	<0.5	<0.40	<0.5	<0.3
	10/6/2003	<0.6	<0.5	<0.40	<0.5	<0.3
	2/20/2004	<0.6	<0.50	<0.40	<0.40	<0.30
	4/21/2004	<0.6	<0.50	<0.40	<0.40	<0.30
	6/27/2005	NM	NM	NM	NM	NM
	12/12/2005	<0.15	<0.6	<0.6	<0.5	<0.12
	11/6/2006	<0.15	<0.4	<0.4	<0.3	<0.15
	2/28/2007	<0.15	<0.4	<0.4	<0.3	<0.15
	2/21/2008	0.17	<0.40	<0.50	<0.40	<0.15
	6/11/2009	0.2	<0.4	<0.5	<0.4	<0.15
	12/15/2009	0.3	<0.4	<0.5	<0.4	<0.15
	6/7/2010	0.3	<0.25	<0.25	<0.24	<0.18
	6/30/2011	<0.40	<0.30	<0.30	<0.29	<0.19
	6/25/2012	*0.53*(1)	<0.30	<0.30	<0.24	<0.18
	6/19/2013	<0.50	<0.30	<0.30	<0.24	<0.18
	6/17/2014	NM(4)	NM(4)	NM(4)	NM(4)	NM(4)
	12/4/2014	0.39(1)	<0.21	<0.20	<0.23	<0.18
	6/30/2015	<0.30	<0.30	<0.30	<0.27	<0.18
	12/10/2015	0.47(1)	<0.30	<0.30	<0.27	<0.18

Table 7: Summary of Groundwater Monitoring Analytical Results - CVOCs
Former Johnson Controls, Inc. - Humboldt Facility
3713 North Humboldt Boulevard
Milwaukee, Wisconsin

Well ID	Date	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
	NR 140 ES	**5**	**70**	**100**	**850**	**0.2**
	NR 140 PAL	**0.5**	**7**	**20**	**85**	**0.02**
MW09 (cont.)	6/8/2016	<0.33	<0.26	<0.26	<0.41	<0.18
	6/8/2017	<0.33	<0.26	<0.26	<0.41	<0.18
	6/8/2017 Duplicate	<0.33	<0.26	<0.26	<0.41	<0.18
	6/12/2018	<0.33	<0.26	<0.26	<0.41	<0.18
	6/11/2019	<0.26	<0.27	<1.1	<0.24	<0.17
	6/4/2020	<0.26	<0.27	<0.46	<0.24	<0.17
	6/15/2021	0.33 J	<0.47	<0.53	<0.58	<0.17
	6/7/2022	0.82 J	<0.47	<0.53	<0.30	<0.17

Notes:

Updated by: B. Fischer 8/3/2022

Checked by: B. Wachholz 8/29/2022

NM = not measured.

ES = Enforcement Standard

PAL = Preventive Action Limit

VOCs = Volatile Organic Compounds

CVOCs = Chlorinated Volatile Organic Compounds

(<) means constituent not detected above corresponding laboratory method detection limit.

Italics = reported concentration equals or exceeds NR140 Preventive Action Limit (PAL).

Bold = reported concentration equals or exceeds NR140 Enforcement Standard (ES).

TCE = trichloroethene

cis-1,2-DCE = cis-1,2-dichloroethene

trans-1,2-DCE = trans-1,2 dichloroethene

1,1-DCE = 1,1-dichloroethene

Groundwater samples are collected on a semi-annual basis for VOCs. TCE is the constitute of concern for the site, and therefore TCE and is breakdown products are the only VOCs summarized in this table. All other VOCs have been below detection limits, and these results are included in the laboratory report in Attachment C.

Footnotes:

(1) Value in between the LOD (limit of detection) and the LOQ (limit of quantitation).

(2) Well is dry.

(3) Well nearly dry. Sample collected from 1/3 full bailer. Did not purge well.

(4) Well generally sampled during the June sampling event was sampled during the December sampling event for the 2014 monitoring.

(5) Well was bailed dry after approximately 400 mL was removed. Samples were unable to be collected.

Table 8: Summary of Natural Attenuation Indicator Parameters
Former Johnson Controls, Inc. - Humboldt Facility
3717 North Humboldt Boulevard
Milwaukee, Wisconsin

Well ID	Date	DO (mg/L)	Oxidation/ Reduction Potential	Nitrate (mg/L)	Dissolved Manganese (µg/L)	Dissolved Iron (µg/L)	Sulfate (mg/L)	Alkalinity (mg/L)
MW01	4/9/2002	4.9	42	0.41	130	<42	110	420
	9/30/2002	1.6	41	NA	NA	NA	NA	NA
	4/10/2003	1.8	-48	0.14	33	<32	150	400
	4/21/2004	6.2	213	0.092	42.3	<37	150	430
	6/27/2005	NM	NM	NM	NM	NM	NM	NM
	12/12/2005	1.02	216	<0.10	50.9	24.5	160	430
	6/8/2016	6.9	NM(5)	NM	NM	NM	NM	NM
MW02	4/9/2002	4.2	85	0.19	420	<42	45	250
	9/30/2002	1.9	23	NA	NA	NA	NA	NA
	4/10/2003	3.2	12	0.086	281	<32	50	290
	4/21/2004	1.6	52	<0.06	343	<67	50	270
	6/27/2005	NM	NM	NM	NM	NM	NM	NM
	12/12/2005	0.6	108	<0.10	405	256	36.9	220
	6/8/2016	7.33	NM(5)	NM	NM	NM	NM	NM
MW03	4/9/2002	7.2	18	<0.18	756	<42	180	410
	9/30/2002	1.5	33	NA	NA	NA	NA	NA
	4/10/2003	2.2	7	<0.06	337	<32	150	440
	4/21/2004	5.6	122	<0.06	296	<67	110	420
	6/27/2005	NM	NM	NM	NM	NM	NM	NM
	12/12/2005	NM	NM	NM	NM	NM	NM	NM
	6/27/2006	3.2	127	<0.06	241	10.5	82	410
MW04A	4/9/2002	3.7	19	2.2	99	<42	240	420
	9/30/2002	1.6	41	NA	NA	NA	NA	NA
	4/10/2003	2.6	17	1.2	71.4	<32	230	520
	4/21/2004	3.1	114	2.3	114	<67	160	510
	10/13/2004	2.6	86	0.606	145	<67	234	548
	6/27/2005	4.41	-4	1.4	75.8	NM	170	540
	12/12/2005	1.78	276	1.64	66.8	<23	194	510
	6/27/2006	2.47	261	0.096	8.6	<10	92	440
	8/16/2007	4.5	272	0.7	81	<10	180	530
	8/26/2008	3.5	217	1.8	44	30	180	510
	9/17/2009	1.5	251	4.7	27.8	<10	180	480
	12/15/2009	0.5	-40	4.7	63.2	453	200	500
	6/7/2010	1	-10	7	10.4	<10	160	440
	12/9/2010	1.5	-5	7.4*	27.6	<10	160	490
	6/29/2011	4	120	6.8*	4	39.3	110	460
	11/28/2011	3.03	40.1	1.5	22.9	<5.0	170	530
	6/25/2012	4.24	194.4	6.7	5.1	9.6	130	460
	10/29/2012	1.50	7.2	0.94	11.6	9.7	210	470
	6/19/2013	3.50	NM	0.83	4.0	92.6	NM	420
	12/16/2013	7.12	169.1	3.3	7.3	<5.0	150	500
	6/17/2014	7.46	21	3.0	4.3 J (1)	13.6 J (1)	166	444
	12/4/2014	6.36	136.5	1.2	58.1	<10	170	460
	6/30/2015	6.90	28.2	2.8	13.2	<10	NM	410
	12/10/2015	9.31	73.1	1.9	7.2	70.6	170	480
	6/8/2016	8.25	NM(5)	5.3	0.92J	<15.9	81.3	402
	12/6/2016	6.96	15.6	8.6	<1.8	<34.0	142	402
	6/8/2017	4.55	112	5.5	10.7	<34.0	121	403
	12/19/2017	8.18	49.3	10.1	<0.18	<0.34	162	385
	6/12/2018	4.91	-6.8	3.0	<1.8	<34.0	125	376
	12/12/2018	6.95	115.1	2.3	4.3 J (1)	<73.9	86.9	469
	6/11/2019	3.58	99.9	NM	NM	NM	NM	NM
	12/11/2019	7.18	130.3	NM	NM	NM	NM	NM

Table 8: Summary of Natural Attenuation Indicator Parameters
Former Johnson Controls, Inc. - Humboldt Facility
3717 North Humboldt Boulevard
Milwaukee, Wisconsin

Well ID	Date	DO (mg/L)	Oxidation/ Reduction Potential	Nitrate (mg/L)	Dissolved Manganese (µg/L)	Dissolved Iron (µg/L)	Sulfate (mg/L)	Alkalinity (mg/L)
MW04A (cont.)	6/4/2020	7.56	90.5	NM	NM	NM	NM	NM
	12/8/2020	5.40	100.8	NM	NM	NM	NM	NM
	6/15/2021	10.40	69.0	NM	NM	NM	NM	NM
	12/9/2021	6.31	94.2	NM	NM	NM	NM	NM
	6/6/2022	3.82	78.5	NM	NM	NM	NM	NM
MW04B	4/9/2002	1.4	21	1.9	177	135	200	400
	9/30/2002	1.3	47	NA	NA	NA	NA	NA
	4/10/2003	NA	NA	NA	NA	NA	NA	NA
	4/21/2004	3.8	96	0.095	154	<67	210	430
	10/13/2004	NM	NM	NM	NM	NM	NM	NM
	6/27/2005	NM	NM	NM	NM	NM	NM	NM
	12/12/2005	NM	NM	NM	NM	NM	NM	NM
	6/27/2006	2.64	183	<0.06	76.4	<10	160	410
	8/16/2007	NM	NM	NM	NM	NM	NM	NM
	12/15/2009	NM	NM	NM	NM	NM	NM	NM
	6/7/2010	NM	NM	NM	NM	NM	NM	NM
	12/9/2010[2]	NM	NM	NM	NM	NM	NM	NM
	6/29/2011	3.5	111.8	0.11*[1]	24.5	<5.0	170	430
	11/28/2011	NM	NM	NM	NM	NM	NM	NM
	6/25/2012	NM	NM	NM	NM	NM	NM	NM
	10/29/2012	NM	NM	NM	NM	NM	NM	NM
	6/19/2013	1.5	NM	0.17	75.3	13.6	NM	390
	12/16/2013	NM[6]	NM[6]	NM[6]	NM[6]	NM[6]	NM[6]	NM[6]
	6/17/2014	6.44	79.3	<0.15	46.2	15.7 J [1]	162	380
	12/4/2015	5.60	142.5	0.16	185	188	120	410
	6/30/2015	5.06	30.5	0.16	128	<10	NM	380
	12/10/2015	7.23	57	<0.040	30.4	33.1	190	420
	6/8/2016	5.06	NM[5]	0.21J	47.6	<15.9	124	389
	12/6/2016	4.41	133.5	0.29	72.8	75.8J	226	420
	6/8/2017	3.38	120.7	<0.38	91.4	<34.0	128	401
	12/19/2017	NM [8]	NM [8]	NM [8]	NM [8]	NM [8]	NM [8]	NM [8]
	6/12/2018	4.88	9.4	<0.075	51.1	<34.0	221	386
	12/12/2018	4.91	101.1	0.17 J [1]	77.8	173 J [1]	173	432
	6/11/2019	4.19	116.3	NM	NM	NM	NM	NM
	12/11/2019	4.22	150.1	NM	NM	NM	NM	NM
	6/4/2020	4.64	113.8	NM	NM	NM	NM	NM
	12/8/2020	2.61	118.9	NM	NM	NM	NM	NM
	6/15/2021	4.49	89.1	NM	NM	NM	NM	NM
	6/6/2022	5.23	90.2	NM	NM	NM	NM	NM
MW05	4/9/2002	0.6	43	<0.18	1,280	71	460	400
	9/30/2002	1.1	0.8	NA	NA	NA	NA	NA
	4/10/2003	0.7	-5	0.079	966	97.7	280	650
	4/21/2004	1.7	80	0.11	1120	<67	270	680
	6/27/2005	NM	NM	NM	NM	NM	NM	NM
	12/12/2005	1.02	203	<0.10	595	99	241	620
	11/6/2006	3.5	168	<0.06	798	<10	190	780
	2/28/2007	4.5	225	0.32	635	53.5	180	780
	2/21/2008	2.05	264	0.67	610	<15	150	790
	6/11/2009	1	269	<0.05	612	<10	140	800
	12/15/2009	0.3	-29	<0.05	767	7500	120	800
	6/7/2010	1	-2	0.073[1]	607	<10	110	830
	6/29/2011	4.25	103.3	<0.080*	534	14.1	63	840
	6/29/2011	4.25	103.3	NM	NM	NM	NM	NM
	6/25/2012	3.67	167.3	0.11[1]	509	17.8	70	800

Table 8: Summary of Natural Attenuation Indicator Parameters
Former Johnson Controls, Inc. - Humboldt Facility
3717 North Humboldt Boulevard
Milwaukee, Wisconsin

Well ID	Date	DO (mg/L)	Oxidation/ Reduction Potential	Nitrate (mg/L)	Dissolved Manganese (µg/L)	Dissolved Iron (µg/L)	Sulfate (mg/L)	Alkalinity (mg/L)
MW05 (cont.)	6/19/2013	3.0	NM(5)	0.12(1)	610	<5.0	NM	850
	6/17/2014	NM(7)	NM(7)	NM(7)	NM(7)	NM(7)	NM(7)	NM(7)
	12/4/2014	4.00	149	0.15	630	23.5	44	770
	6/30/2015	5.04	65	0.13	624	<10	NM	720
	12/10/2015	6.89	35.8	<0.040	585	12.1	56	740
	6/8/2016	6.92	NM(5)	<0.15	83.6	<15.9	57.8	718
	6/8/2017	5.20	21.4	<0.075	287	<34.0	45.3	731
	6/12/2018	3.03	-4.9	0.18 J	391	34.9 J	64.3	566
	6/11/2019	10.73	121.4	NM	NM	NM	NM	NM
	6/4/2020	4.15	101.6	NM	NM	NM	NM	NM
	6/15/2021	4.42	73.2	NM	NM	NM	NM	NM
	6/6/2022	4.41	62.9	NM	NM	NM	NM	NM
MW06	4/9/2002	1.7	55	0.18*	47.2	<42	140	630
	9/30/2002	4.8	27	NA	NA	NA	NA	NA
	4/10/2003	0.8	25	0.073	37.2	39.2	150	480
	6/27/2005	NM	NM	NM	NM	NM	NM	NM
	4/21/2004	2.5	105	0.12	34.1	<67	100	430
	10/13/2004	1.2	50	<0.06	105	<67	129	476
	6/27/2005	NM	NM	NM	NM	NM	NM	NM
	12/12/2005	0.9	218	<0.10	92.5	<23	123	480
	11/6/2006	3	93	<0.6	59.3	<10	110	510
	2/28/2007	5.1	216	<0.06	53.8	41.6	110	500
	2/21/2008	3.58	205	<0.11	860	70	130	370
	6/11/2009	1.5	197	<0.05	305	100	120	410
	12/15/2009	0.4	49	<0.05	300	1320	99	460
	6/7/2010	2	26	0.26	168	28.5(1)	120	460
	12/9/2010	2.5	10	<0.05*	85.4	36.6	100	520
	6/29/2011	3.95	108.5	1.1*(1)	142	55.5	140	500
	11/28/2011	3.39	46.8	0.15(1)	98.2	49.4	19	200
	6/25/2012	3.94	134.4	0.10	291	251	98	460
	10/29/2012	3.7	100.4	<0.080	247	585	110	490
	6/19/2013	2.5	NM(5)	<0.080	320	855	NM	460
	12/16/2013	5.11	129.1	0.18	170	185	110	560
	6/17/2014	5.68	-71.8	<0.15	127	635	128	515
	12/4/2014	5.05	152.4	0.15	141	64.1	120	520
	6/30/2015	5.95	69.2	<0.040	117	134	NM	500
	12/10/2015	4.42	11.6	<0.040	92.5	119	120	570
	6/8/2016	6.4	NM(5)	<0.15	1.4J	20.3J	123	530
	12/6/2016	5.09	111	<0.075	9.1	<34.0	131	549
	6/8/2017	3.62	41.6	<0.075	115	243	142	561
	12/19/2017	4.19	69.6	<0.075	83.1	97.8J	125	547
	6/12/2018	3.00	5.8	<0.075	55.6	<34.0	124	548
	12/12/2018	10.42	103.8	<0.075	35.2	<73.9	112	569
	12/11/2019	11.03	162.4	NM	NM	NM	NM	NM
	6/4/2020	4.04	127.8	NM	NM	NM	NM	NM
	12/8/2020	5.62	142.9	NM	NM	NM	NM	NM
	12/8/2020 Duplicate	5.62	142.9	NM	NM	NM	NM	NM
	6/15/2021	5.50	92.0	NM	NM	NM	NM	NM
	12/9/2021	6.49	130.1	NM	NM	NM	NM	NM
	6/6/2022	3.78	99.7	NM	NM	NM	NM	NM

Table 8: Summary of Natural Attenuation Indicator Parameters
Former Johnson Controls, Inc. - Humboldt Facility
3717 North Humboldt Boulevard
Milwaukee, Wisconsin

Well ID	Date	DO (mg/L)	Oxidation/ Reduction Potential	Nitrate (mg/L)	Dissolved Manganese (µg/L)	Dissolved Iron (µg/L)	Sulfate (mg/L)	Alkalinity (mg/L)
MW07A	1/29/2002	2.1	122	<0.1	54.9	<42	130	410
	4/9/2002	1.9	29	0.96	2.5	<42	140	440
	7/2/2002	1.1	87	NM	NM	NM	NM	NM
	9/30/2002	NM	NM	NM	NM	NM	NM	NM
	4/10/2003	2.4	37	2.3	3.8	<32	130	510
	7/28/2003	1.8	226	2.3	43.7	485	140	550
	10/6/2003	2.1	326	NM	NM	NM	NM	NM
	2/20/2004	1.9	231	NM	NM	NM	NM	NM
	4/21/2004	4.1	114	6.3	2.5	<67	100	490
	10/13/2004	1.2	56	4.77	24.4	<67	132	508
	9/30/2002	NM	NM	NM	NM	NM	NM	NM
	6/27/2005	1.28	197	6.9	15.1	NM	92	440
	12/12/2005	0.5	223	2.84	52	<23	102	440
	6/27/2006	3.79	212	6.8	2.8	<10	110	450
	8/16/2007	2.5	281	7.8	6.8	<10	120	490
	8/26/2008	2.5	265	6.4	7.2	54	110	480
	9/17/2009	1	228	4.2	5.1	<10	100	430
	12/15/2009	0.5	-51	5.2	14.5	44.5	100	440
	6/7/2010	0.8	-15	4.8	2.8[1]	<10	91	400
	6/7/2010	0.8	-15	4.7	<1.8	<10	91	410
	12/9/2010	2	8	2.7*	10.4	<10	100	460
	12/9/2010	2	8	3.0*	3.3[1]	<10	99	460
	6/29/2011	4.1	94.4	5.9*	<0.50	<5.0	100	400
	11/28/2011	2.78	40.2	3.6	0.58[1]	<5.0	74	460
	6/25/2012	3.32	98.4	3.5	<0.50	<5.0	75	400
	10/29/2012	0.80	-6.7	2.8	<0.50	18.2	71	400
	6/19/2013	4.00	NM[5]	4.3	<0.50	<5.0	NM	410
	12/16/2013	5.66	64.1	3.9	<0.50	<5.0	83	430
	6/17/2014	5.62	-62.9	3.2	<1.4	<12.9	66	367
	12/4/2014	7.18	147	3.3	4.3	<10	65	420
	6/30/2015	4.85	56.7	3.3	<1.6	<10	NM	420
	12/10/2015	5.59	13.8	2.0	1.7	27.0	84	480
	6/8/2016	7.58	NM[5]	5.4	<0.37	<15.9	62.8	393
	12/6/2016	7.02	152.2	4.6	<1.8	<34.0	51.6	382
	6/8/2017	5.20	21.9	3.7	<1.8	<34.0	64.7	416
	12/18/2017	10.20	59.4	3.1	<1.8	<0.34	67.6	399
	6/12/2018	4.61	0.6	3.3	<1.8	<34.0	68.0	389
	12/12/2018	9.90	79.7	1.9	<1.5	<73.9	46.7	300
	6/11/2019	5.04	108.7	NM	NM	NM	NM	NM
	12/11/2019	8.67	138.8	NM	NM	NM	NM	NM
	6/4/2020	4.47	95.1	NM	NM	NM	NM	NM
	12/8/2020	2.91	115.7	NM	NM	NM	NM	NM
	6/15/2021	5.15	69.2	NM	NM	NM	NM	NM
	12/9/2021	3.06	121.9	NM	NM	NM	NM	NM
	6/6/2022	6.47	67.6	NM	NM	NM	NM	NM
MW07B	12/15/2009	NM	NM	NM	NM	NM	NM	NM
	6/7/2010[2]	NM	NM	NM	NM	NM	NM	NM
	12/9/2010[3]	1.5	-5	<0.05*	1.9[1]	<10	480	370
	6/29/2011	2.6	107.1	2.1*[1]	7	<5.0	450	390
	11/28/2011	NM	NM	NM	NM	NM	NM	NM
	6/25/2012	NM	NM	NM	NM	NM	NM	NM
	10/29/2012	NM	NM	NM	NM	NM	NM	NM
	6/19/2013	NM	NM	NM[6]	NM[6]	NM[6]	NM[6]	NM[6]
	12/16/1930	7.87	78.2	0.26	1.6	<5.0	400	390

Table 8: Summary of Natural Attenuation Indicator Parameters
Former Johnson Controls, Inc. - Humboldt Facility
3717 North Humboldt Boulevard
Milwaukee, Wisconsin

Well ID	Date	DO (mg/L)	Oxidation/ Reduction Potential	Nitrate (mg/L)	Dissolved Manganese (µg/L)	Dissolved Iron (µg/L)	Sulfate (mg/L)	Alkalinity (mg/L)
MW07B (cont.)	6/17/2014	8.31	-62.8	<0.15	<1.4	<12.9	359	360
	12/4/2014	NM	NM	NM(6)	NM(6)	NM(6)	NM(6)	NM(6)
	6/30/2015	5.76	61.3	0.24	<1.6	<10	NM	370
	12/10/2015	5.63	20.7	<0.040	<1.6	25.6	320	410
	6/8/2016	6.11	NM(5)	0.18J	0.85J	<15.9	350	366
	12/6/2016	5.41	138.4	0.080J	<1.8	<34.0	<1.0	374
	6/8/2017	3.84	28.1	<0.38	7.6	<34.0	331	372
	12/18/2017	6.42	64.8	0.12J	3.8J	<0.34	332	330
	6/12/2018	5.87	8.9	0.090 J	11.4	<34.0	368	372
	12/12/2018	5.97	94.8	0.22 J (1)	17.8	<73.9	329	360
	6/11/2019	7.56	113.1	NM	NM	NM	NM	NM
	12/11/2019	4.92	157.2	NM	NM	NM	NM	NM
	6/4/2020	4.85	124.3	NM	NM	NM	NM	NM
	12/8/2020	3.36	127.4	NM	NM	NM	NM	NM
	6/15/2021	5.61	93.1	NM	NM	NM	NM	NM
	12/9/2021	3.74	145.6	NM	NM	NM	NM	NM
	6/6/2022	5.57	99.2	NM	NM	NM	NM	NM
MW08	1/29/2002	0.9	107	<0.1	780	<42	140	440
	4/9/2002	1.2	26	0.23	484	<42	120	460
	7/2/2002	0.4	45	NM	NM	NM	NM	NM
	9/30/2002	2.1	-20	NM	NM	NM	NM	NM
	4/10/2003	1	41	0.49	432	70.3	95	510
	7/28/2003	1.7	74	0.62	643	3,360	120	450
	10/6/2003	1.1	19	NM	NM	NM	NM	NM
	2/20/2004	1.4	91	NM	NM	NM	NM	NM
	4/21/2004	3.2	-48	6.1	249	1,170	85	420
	10/13/2004	1.1	-85	1.9	574	2,180	24	428
	6/27/2005	4.47	-110	7.6	267	NM	77	400
	12/12/2005	1.24	129	2.03	364	582	85.6	400
	6/27/2006	2.61	-22	2.1	326	3,490	51	300
	8/16/2007	1.5	-29	1.3	520	4,700	55	320
	8/26/2008	1.5	26	0.55	480	1,500	54	330
	9/17/2009	NM	-74	0.34	591	7,020	39	320
	12/15/2009	0.3	-29	1.4	586	3,870	19	94
	6/7/2010	0.8	-5	<0.05	353	902	42	190
	12/9/2010	2	15	0.087*(1)	277	2,700	24	210
	6/30/2011	3.01	-61	<0.080*	655	13,000	23	120
	11/28/2011	3.28	30.5	0.15(1)	122	<5.0	8.5	140
	11/28/2011 Duplicate	3.28	30.5	0.14(1)	117	<5.0	8.4	140
	6/25/2012	2.91	48.1	0.097(1)	532	9,430	22	190
	6/25/2012 Duplicate	2.91	48.1	0.095(1)	528	8,980	22	190
	10/29/2012	3.2	195.1	1.0	36.5	6.2	2300	970
	12/27/2012	11.17	228.4	NM	NM	NM	NM	NM
	6/19/2013	5.5	NM(5)	0.28	55.7	<5.0	NM	1700
	6/19/13 Duplicate	5.5	NM(5)	0.29	52.5	<5.0	NM	1700
	12/16/2013	6.78	83.2	0.17	888	<5.0	2500	690
	12/16/13 Duplicate	6.78	83.2	0.17	909	<5.0	2000	620
	6/17/2014	4.91	-61.1	<0.15	2870	50.2 J (1)	1810	492
	6/17/2014 Duplicate	4.91	-61.1	<0.15	2740	33.3 J (1)	1690	437

Table 8: Summary of Natural Attenuation Indicator Parameters
Former Johnson Controls, Inc. - Humboldt Facility
3717 North Humboldt Boulevard
Milwaukee, Wisconsin

Well ID	Date	DO (mg/L)	Oxidation/ Reduction Potential	Nitrate (mg/L)	Dissolved Manganese (µg/L)	Dissolved Iron (µg/L)	Sulfate (mg/L)	Alkalinity (mg/L)
MW08 (cont.)	12/4/2014	3.86	151.2	0.17	2970	322	1800	400
	12/4/2014 Duplicate	3.86	151.2	0.17	2930	318	1800	380
	6/30/2015	4.22	80.4	0.16	2580	375	NM	590
	6/30/2015 Duplicate	4.22	80.4	0.12	2690	394	NM	620
	12/10/2015	5.00	20.3	<2.0	1310	1,230	2200	700
	12/10/2015	5.00	20.3	0.13	1300	1,170	2000	640
	6/8/2016	6.91	NM(5)	3.10	633	1,550	597	321
	6/8/2016	6.91	NM(5)	2.5	636	1,570	631	286
	12/6/2012	5.12	67.6	2.4	669	1,860	1,210	409
	12/6/2016 Duplicate	5.12	67.6	2.8	670	1,800	933	374
	6/8/2017	4.71	29	1.2	1170	<34.0	1,640	520
	12/19/2017	3.25	76.8	<0.075	1340	<34.0	2,230	606
	12/19/2017 Duplicate	3.25	76.8	<0.075	1450	52.1J	2,190	621
	6/12/2018	3.01	32.5	<3.8	1460	<34.0	2,440	649
	6/12/2018	3.01	32.5	<0.075	1670	<34.0	2,290	668
	12/12/2018	5.25	104.3	<0.75	713	<73.9	2,410	648
	12/12/2018	5.25	104.3	<0.75	1130	<73.9	2,240	624
	6/11/2019	6.69	128.3	NM	NM	NM	NM	NM
	12/11/2019	3.66	179.9	NM	NM	NM	NM	NM
	12/11/2019 Duplicate	3.66	179.9	NM	NM	NM	NM	NM
	6/4/2020	3.31	136.7	NM	NM	NM	NM	NM
	6/4/2020 Duplicate	3.31	136.7	NM	NM	NM	NM	NM
	12/8/2020	4.13	113.4	NM	NM	NM	NM	NM
	12/8/2020 Duplicate	4.13	113.4	NM	NM	NM	NM	NM
	6/15/2021	8.94	72.4	NM	NM	NM	NM	NM
	6/15/2021 Duplicate	8.94	72.4	NM	NM	NM	NM	NM
	12/9/2021	4.27	112.1	NM	NM	NM	NM	NM
	12/9/2021 Duplicate	4.27	112.1	NM	NM	NM	NM	NM
	6/6/2022	6.24	65.5	NM	NM	NM	NM	NM
	6/6/2022 Duplicate	6.24	65.5	NM	NM	NM	NM	NM
MW09	1/29/2002	4.8	100	<0.1	507	<42	160	370
	4/9/2002	1.6	50	<0.18	425	<42	160	400
	7/2/2002	1.1	0.6	NM	NM	NM	NM	NM
	9/30/2002	1.1	46	NM	NM	NM	NM	NM
	4/10/2003	1.1	11	<0.060	278	<32	150	420
	7/28/2003	1.5	24	0.095	296	<32	210	410
	10/6/2003	1.5	221	NM	NM	NM	NM	NM
	2/20/2004	1.2	37	NM	NM	NM	NM	NM
	4/21/2004	1.7	79	<0.06	193	<67	170	380
	6/27/2005	NM	NM	NM	NM	NM	NM	NM
	12/12/2005	1.23	201	0.153	373	<23	159	370
	11/6/2006	3	98	<0.06	270	11.9	160	390
	2/28/2007	4.3	206	0.12	60.7	34.9	150	390
	2/21/2008	4.33	258	0.35	210	67	140	370

Table 8: Summary of Natural Attenuation Indicator Parameters
Former Johnson Controls, Inc. - Humboldt Facility
3717 North Humboldt Boulevard
Milwaukee, Wisconsin

Well ID	Date	DO (mg/L)	Oxidation/ Reduction Potential	Nitrate (mg/L)	Dissolved Manganese (µg/L)	Dissolved Iron (µg/L)	Sulfate (mg/L)	Alkalinity (mg/L)
MW09 (cont.)	6/11/2009	1.5	241	<0.05	183	<10	160	370
	12/15/2009	0.3	-39	<0.05	85.9	27.8	130	380
	6/7/2010	0.8	-15	<0.05	43.2	<10	170	340
	6/30/2011	3.94	40.7	<0.80*(4)	84.5	6.3(1)	140	370
	6/25/2012	3.86	23.6	<0.080	131	125	150	330
	6/19/2013	3.0	NM(5)	<0.080	103	158	NM	350
	6/17/2014	NM(7)	NM(7)	NM(7)	NM(7)	NM(7)	NM(7)	NM(7)
	12/4/2014	4.42	156	0.16	51.4	<10	140	370
	6/30/2015	4.86	121	<0.040	34.6	16	NM	330
	12/10/2015	6.40	28.3	<0.080	25.1	<10	140	390
	6/8/2016	6.93	NM(5)	<0.15	20.1	53.0J	135	364
	6/8/2017	4.11	47.6	<0.075	43.7	<34.0	131	338
	6/8/2017	4.11	47.6	<1.5	49.2	36.7 J	146	327
	6/12/2018	2.39	28.0	<0.075	45.2	81.0 J	143	337
	6/11/2019	4.70	140.2	NM	NM	NM	NM	NM
	6/4/2020	3.22	2619.2	NM	NM	NM	NM	NM
	6/15/2021	NM	98.6	NM	NM	NM	NM	NM
	6/6/2022	4.34	108.4	NM	NM	NM	NM	NM

Notes:

Updated by: B. Fischer 8/3/2022

NM = not measured.

Checked by: B. Wachholz 8/29/2022

(<) means constituent not detected above corresponding laboratory method detection limit.

* = holding time exceeded.

Footnotes:

(1) Value in between the LOD (limit of detection) and the LOQ (limit of quantitation).

(2) Well is dry.

(3) Well nearly dry. Sample collected from 1/3 full bailer. Did not purge well.

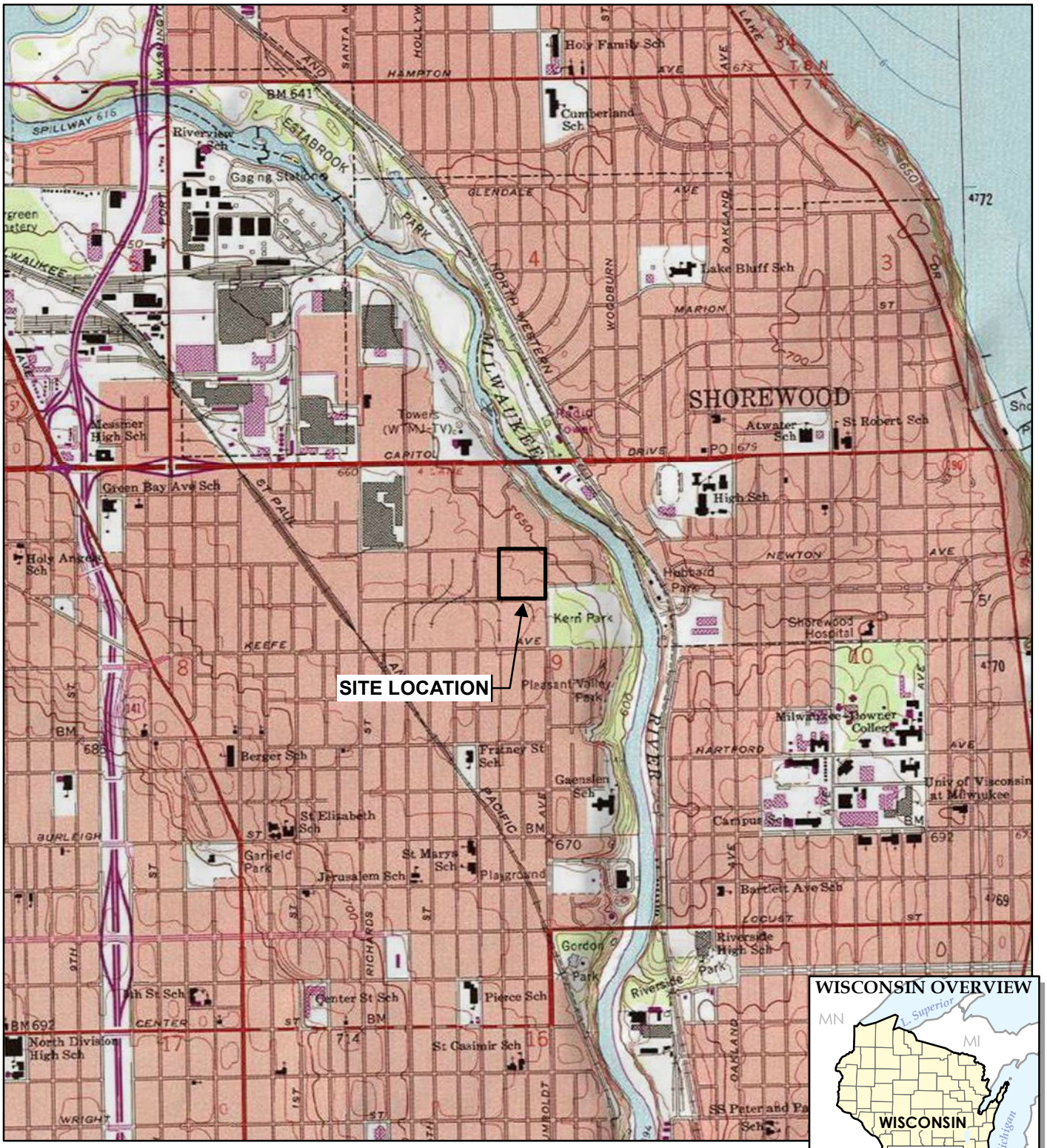
(4) Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.

(5) Oxidation Reduction Potential could not be measured during this sampling period due to equipment malfunction.

(6) Well nearly dry. Only a VOC analysis could be completed during this sampling period.

(7) Well generally sampled during the June sampling event was sampled during the December sampling event for the 2014 monitoring.

(8) Well was bailed dry after approximately 400 mL was removed. Samples were unable to be collected.



BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES.

N

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

0 2,000 4,000
FEET

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

PROJECT:

JOHNSON CONTROLS, INC.
FORMER HUMBOLDT FACILITY
MILWAUKEE, WISCONSIN

TITLE:

SITE LOCATION MAP

DRAWN BY:	R. SUEMNICHT
CHECKED BY:	B. WACHHOLZ
APPROVED BY:	K. VATER
DATE:	SEPTEMBER 2022
PROJ. NO.:	470548
FILE:	470548-005slm.mxd

DRAWING 1

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TRC - GIS

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

Plot Date: 9/20/2022, 09:39:25 AM by RSUEMNICHT -- LAYOUT: ANSI B(11"x17")
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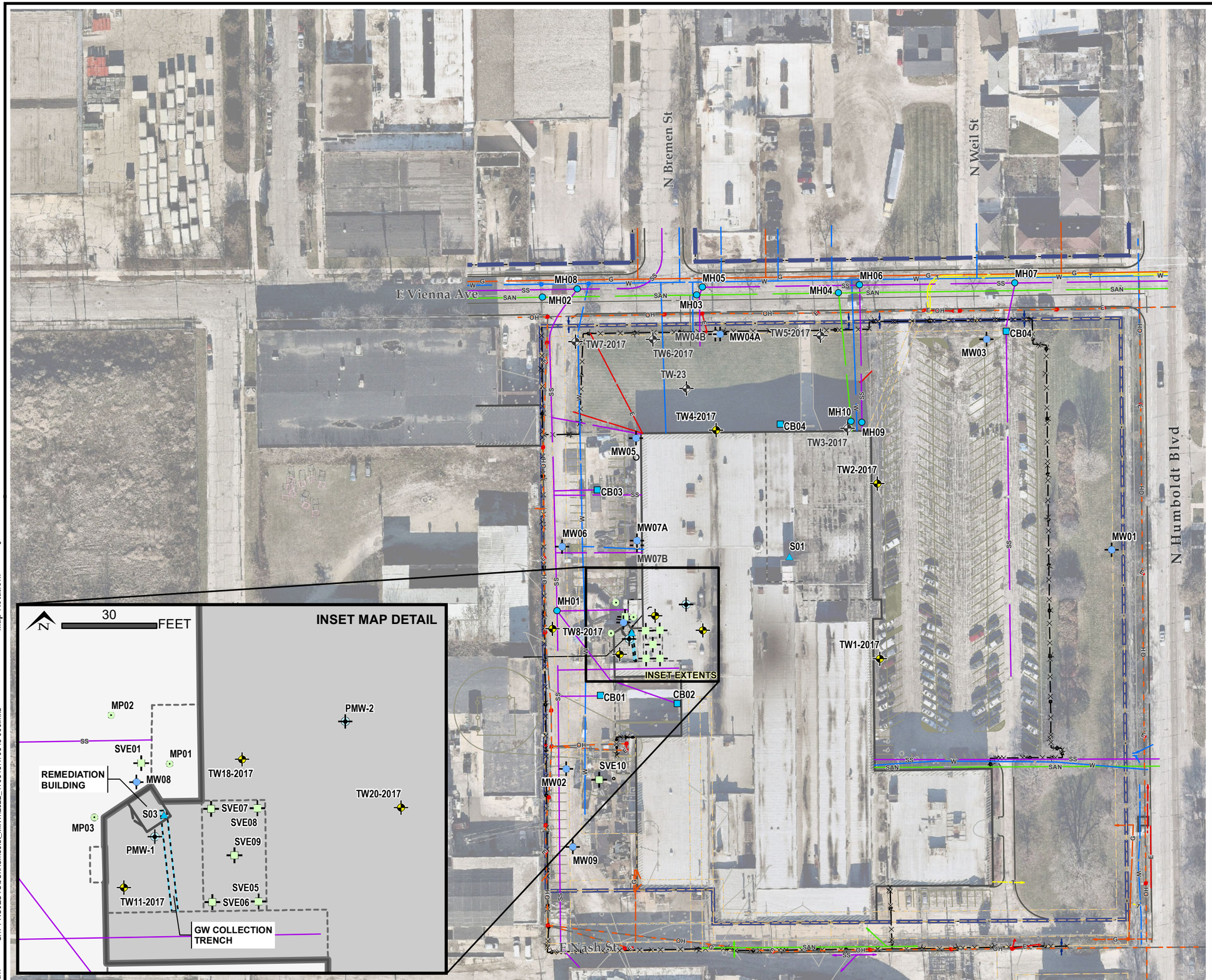


LEGEND

- ABANDONED TEMPORARY WELL
- MONITORING WELL
- TEMPORARY WELL
- MONITORING WELL
- SVE MONITORING POINT
- SVE WELL
- CATCH BASIN WATER SAMPLE
- MANHOLE WATER SAMPLE
- SUMP WATER SAMPLE
- CURRENT PERFORMANCE MONITORING WELL
- PROPERTY LINE
- FENCE
- EASEMENT/ROW LINE
- GW COLLECTION TRENCH

UTILITY LINES

- SANITARY SEWER
- STORM SEWER
- ELECTRIC
- TELECOMM
- GAS
- WATER
- OVERHEAD ELECTRIC

NOTES

1. BASE MAP IMAGERY FROM NEARMAP US, INC. DATED NOVEMBER 22, 2017.

0 100 200 Feet

1 " = 100 '
1:1,200

PROJECT:
JOHNSON CONTROLS, INC.
FORMER HUMBOLDT FACILITY
MILWAUKEE, WISCONSIN

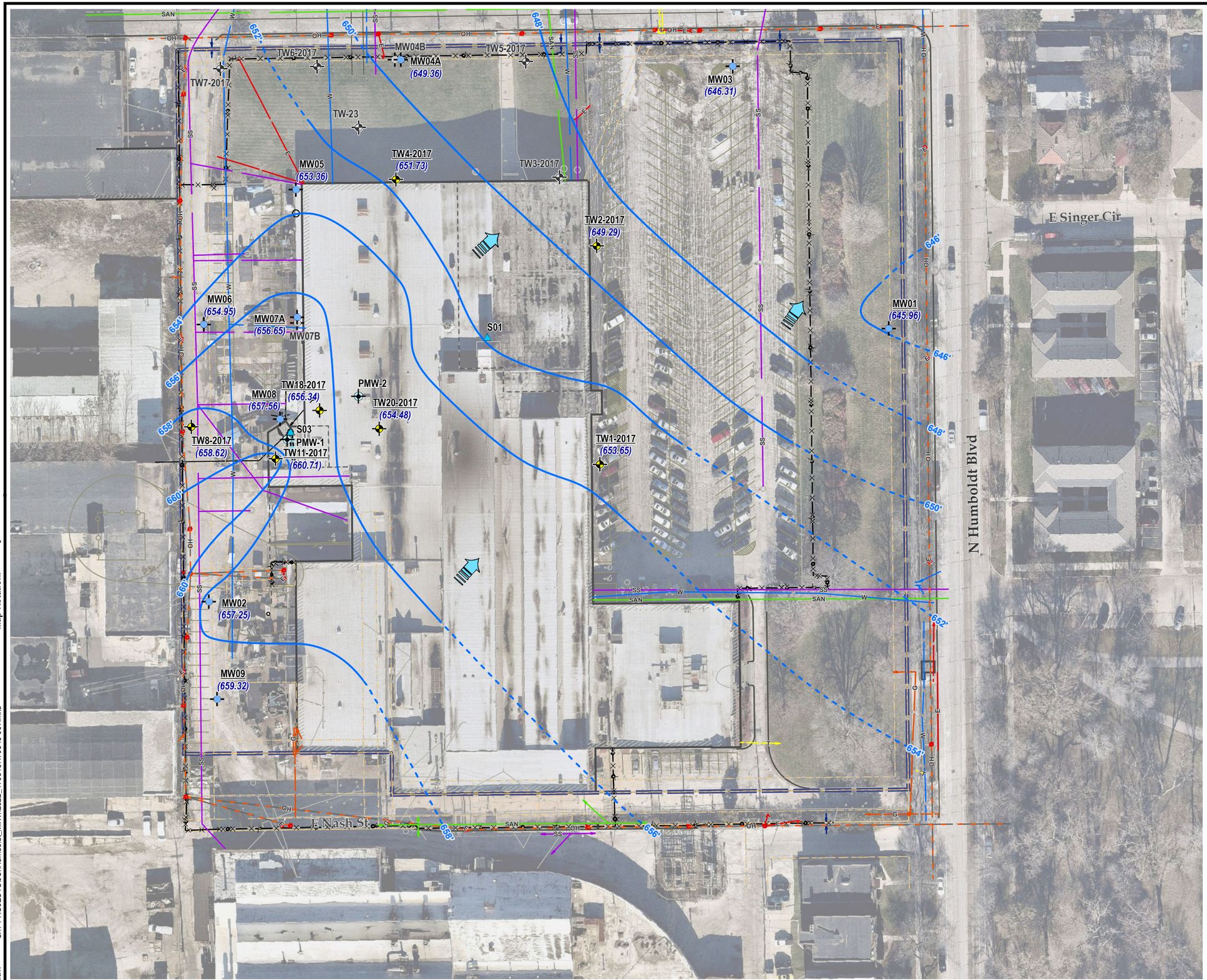
TITLE:
SITE FEATURE MAP

DRAWN BY:	R. SUEMNICHT	PROJ NO.:	470548
CHECKED BY:	B. WACHHOLZ		
APPROVED BY:	K. VATER		
DATE:	SEPTEMBER 2022		

DRAWING 2

TRC
708 Heartland Trail, Suite 3000
Madison, WI 53717
Phone: 608.826.3600
www.trcsolutions.com

FILE NO.: 470548-006.mxd



LEGEND

- ABANDONED TEMPORARY WELL
- SOIL BORING/TEMPORARY WELL
- MONITORING WELL
- SUMP WATER SAMPLE
- CURRENT PERFORMANCE MONITORING WELL
- (645.96) GROUNDWATER ELEVATION IN FEET
- GROUNDWATER CONTOUR (2' INTERVAL) DASHED WHERE INFERRED
- GROUNDWATER FLOW DIRECTION
- PROPERTY LINE
- FENCE
- EASEMENT/ROW LINE
- GW COLLECTION TRENCH

UTILITY LINES

- SANITARY SEWER
- STORM SEWER
- ELECTRIC
- TELECOMM
- GAS
- WATER
- OVERHEAD ELECTRIC

NOTES

1. BASE MAP IMAGERY FROM NEARMAP US, INC. DATED NOVEMBER 22, 2017.
2. GROUNDWATER ELEVATION DATA COLLECTED ON JUNE 6, 2022.

N

0 80 160 Feet

1 " = 80 '

1:960

PROJECT:

JOHNSON CONTROLS, INC.
FORMER HUMBOLDT FACILITY
MILWAUKEE, WISCONSIN

TITLE:

WATER TABLE MAP JUNE 2022

DRAWN BY:	R. SUEMNICHT	PROJ NO.:	470548
CHECKED BY:	B. WACHHOLZ		
APPROVED BY:	K. VATER		**DRAWING 3**
DATE:	SEPTEMBER 2022		

TRC

708 Heartland Trail, Suite 3000
Madison, WI 53717
Phone: 608.826.3600
www.trcsolutions.com

FILE NO.: 470548-007.mxd

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

TRC - GIS

TRC - GIS

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

Plot Date: 9/20/2022, 09:40:22 AM by RSUEMNICHT -- LAYOUT: ANSI B(11"x17")
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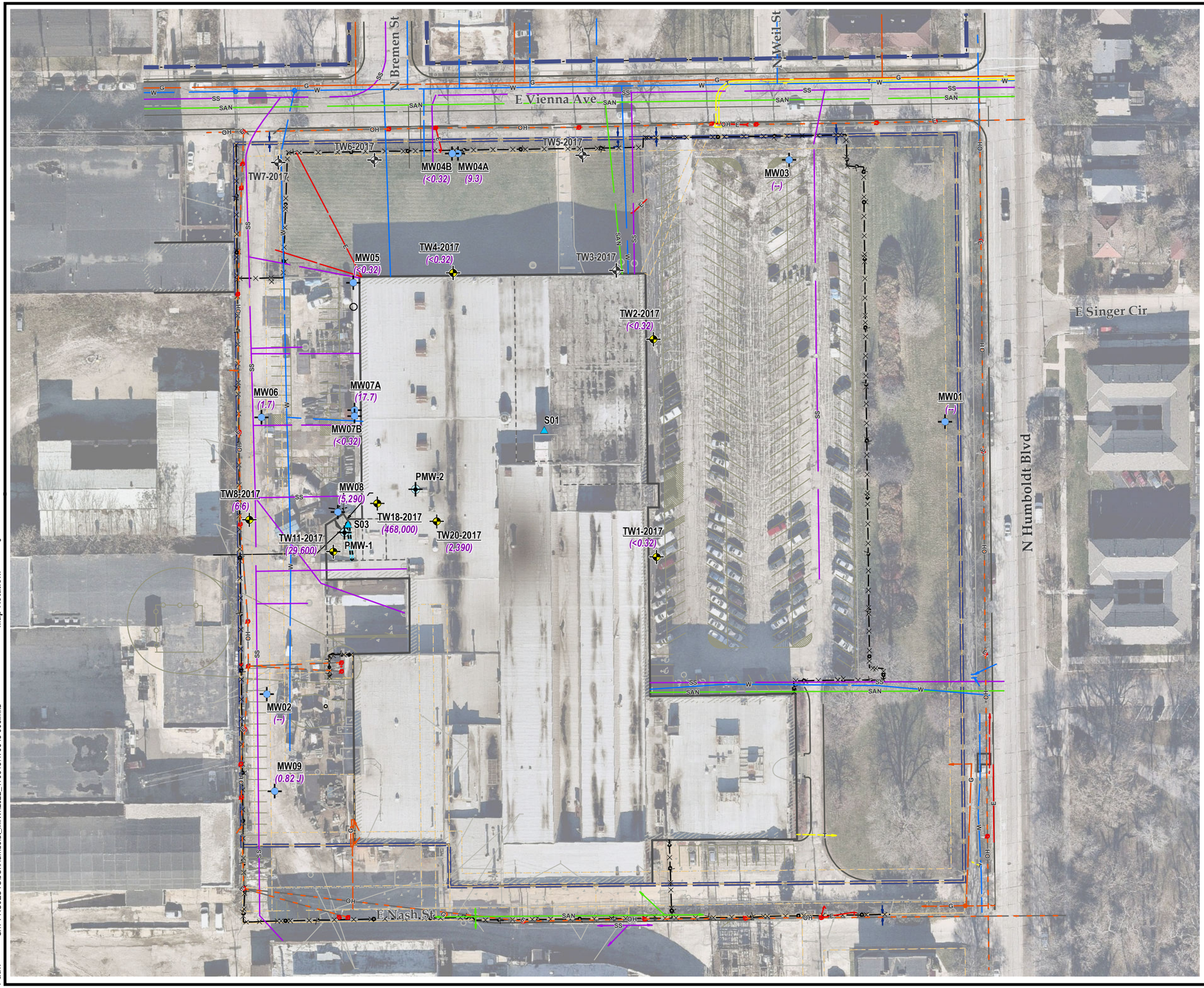


LEGEND

- ABANDONED TEMPORARY WELL
- TEMPORARY WELL
- MONITORING WELL
- SUMP WATER SAMPLE
- CURRENT PERFORMANCE MONITORING WELL
- (5,290) TCE CONCENTRATION IN µg/L

UTILITY LINES

- SANITARY SEWER
- STORM SEWER
- ELECTRIC
- TELECOMM
- GAS
- WATER
- OVERHEAD ELECTRIC
- PROPERTY LINE
- FENCE
- EASEMENT/ROW LINE
- GW COLLECTION TRENCH

NOTES

1. BASE MAP IMAGERY FROM NEARMAP US, INC. DATED NOVEMBER 22, 2017.
2. GROUNDWATER MONITORING WAS COMPLETED ON JUNE 7, 2022.
3. TW-3, TW-5, TW-6, AND TW-7 WERE ABANDONED ON DECEMBER 1, 2017.

0 80 160 Feet

1 " = 80 '

1:960

PROJECT:
JOHNSON CONTROLS, INC.
FORMER HUMBOLDT FACILITY
MILWAUKEE, WISCONSIN

TITLE:
GROUNDWATER TCE CONCENTRATION MAP

DRAWN BY:	R. SUEMNICHT	PROJ NO.:	470548
CHECKED BY:	B. WACHHOLZ		
APPROVED BY:	K. VATER		**DRAWING 4**
DATE:	SEPTEMBER 2022		

TRC
708 Heartland Trail, Suite 3000
Madison, WI 53717
Phone: 608.826.3600
www.trcsolutions.com

FILE NO.: 470548-008.mxd

Figure 1.1: Trichloroethene Concentration at MW04A vs. Time
Former Johnson Controls, Inc. - Humboldt Facility
3713 North Humboldt Boulevard
Milwaukee, Wisconsin

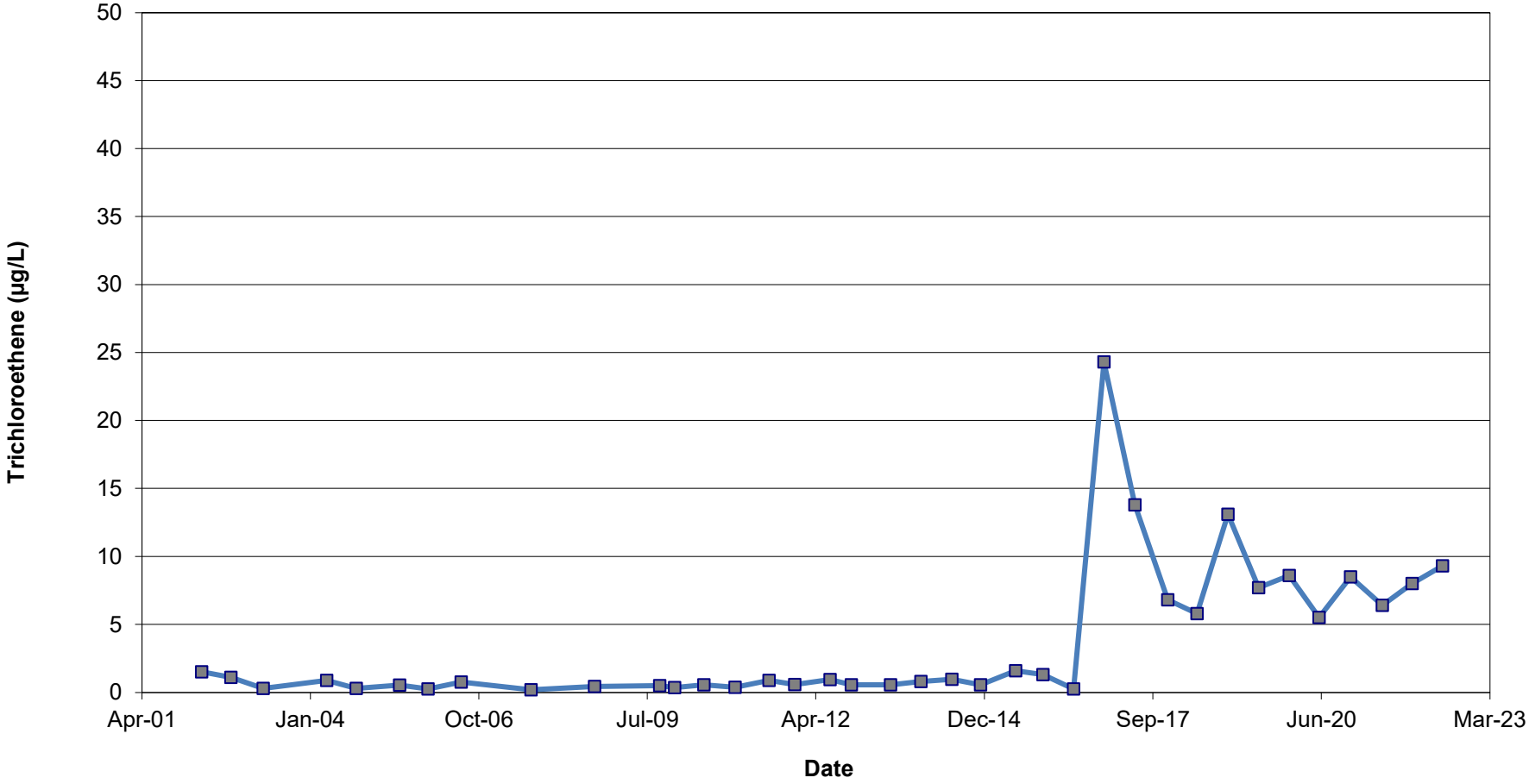


Figure 1.2: Trichloroethene Concentration at MW06 vs. Time
Former Johnson Controls, Inc. - Humboldt Facility
3713 North Humboldt Boulevard
Milwaukee, Wisconsin

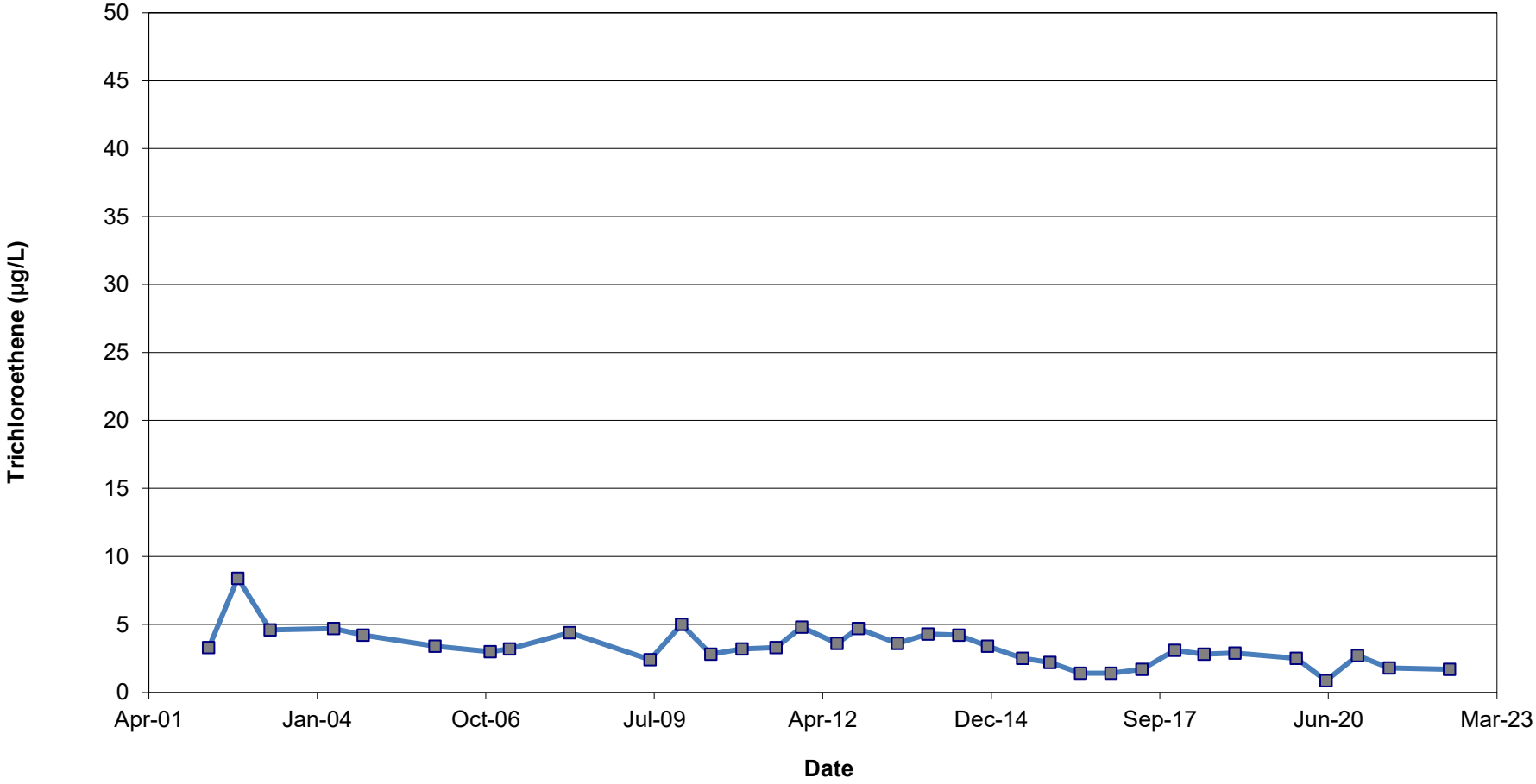


Figure 1.3: Trichloroethene Concentration at MW07A vs. Time
Former Johnson Controls, Inc. - Humboldt Facility
3713 North Humboldt Boulevard
Milwaukee, Wisconsin

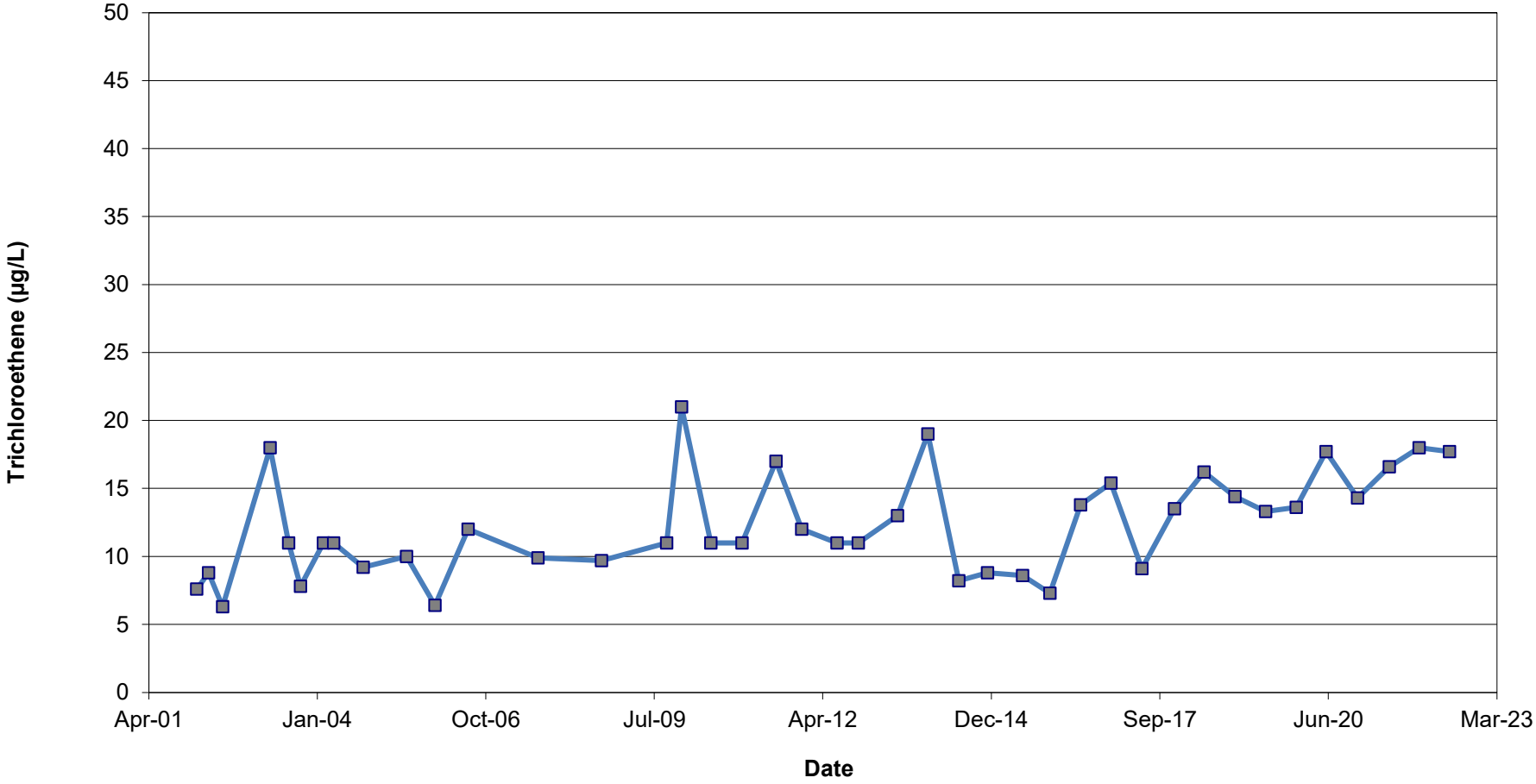


Figure 1.4: Trichloroethene Concentration at MW08 vs. Time
Former Johnson Controls, Inc. - Humboldt Facility
3713 North Humboldt Boulevard
Milwaukee, Wisconsin

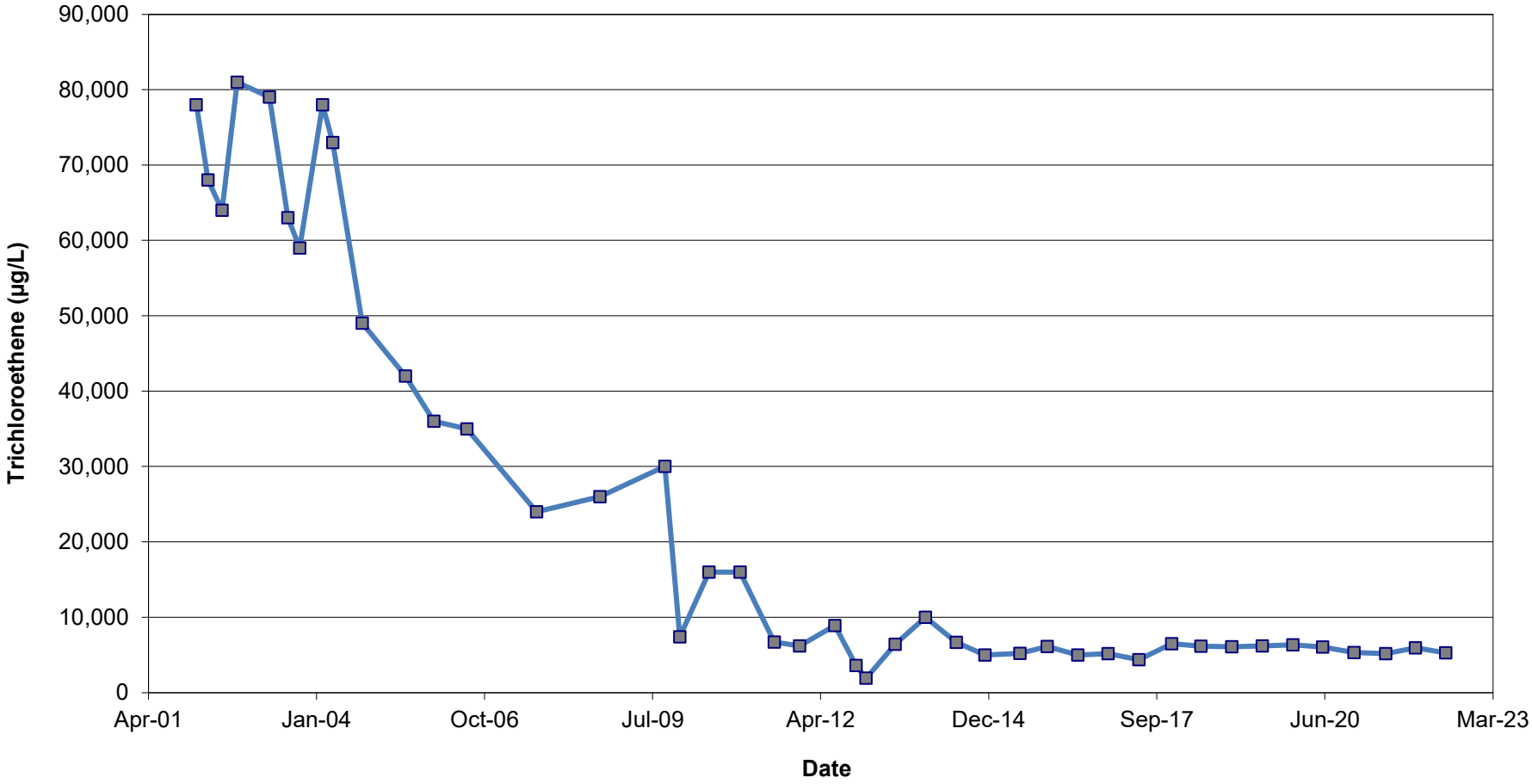
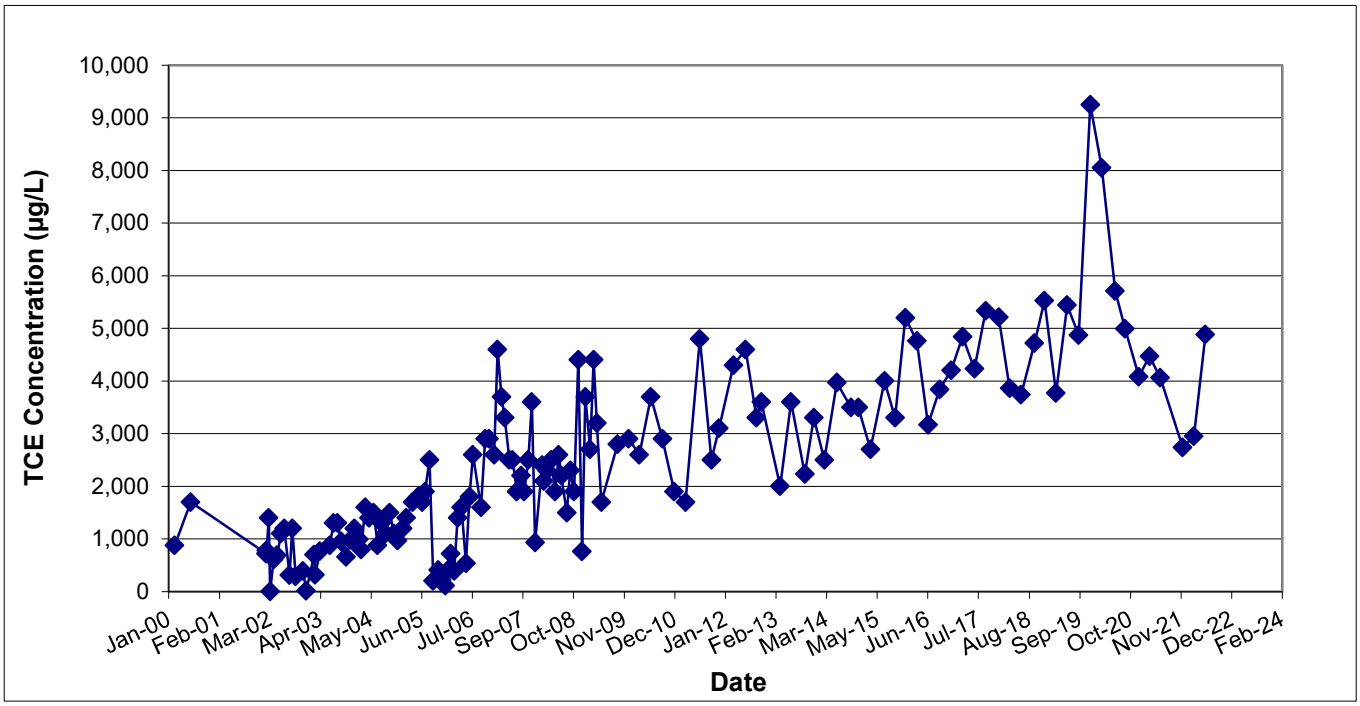


Figure 2: TCE Concentrations at Sump S01 and S03
Former Johnson Controls, Inc. - Humboldt Facility
3717 North Humboldt Boulevard
Milwaukee, Wisconsin

Sump S01



Sump S03

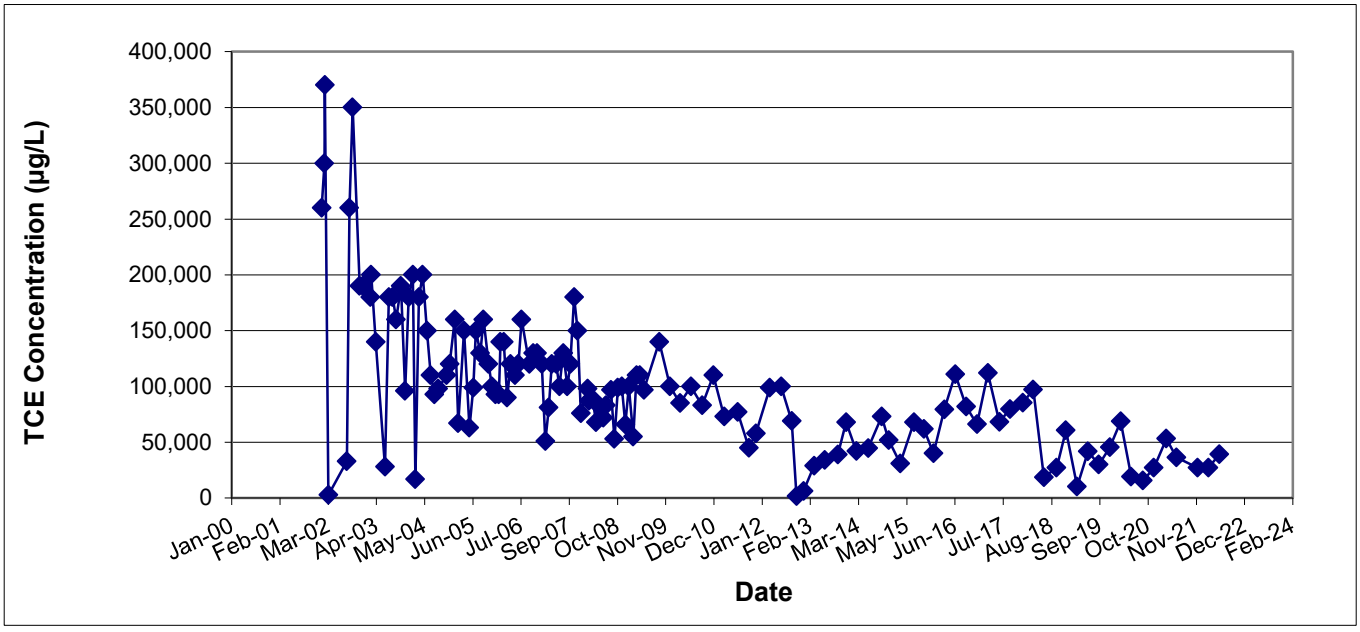


Figure 3: Total TCE Removed - Groundwater Systems
Former Johnson Controls, Inc. - Humboldt Facility
3713 North Humboldt Boulevard
Milwaukee, Wisconsin

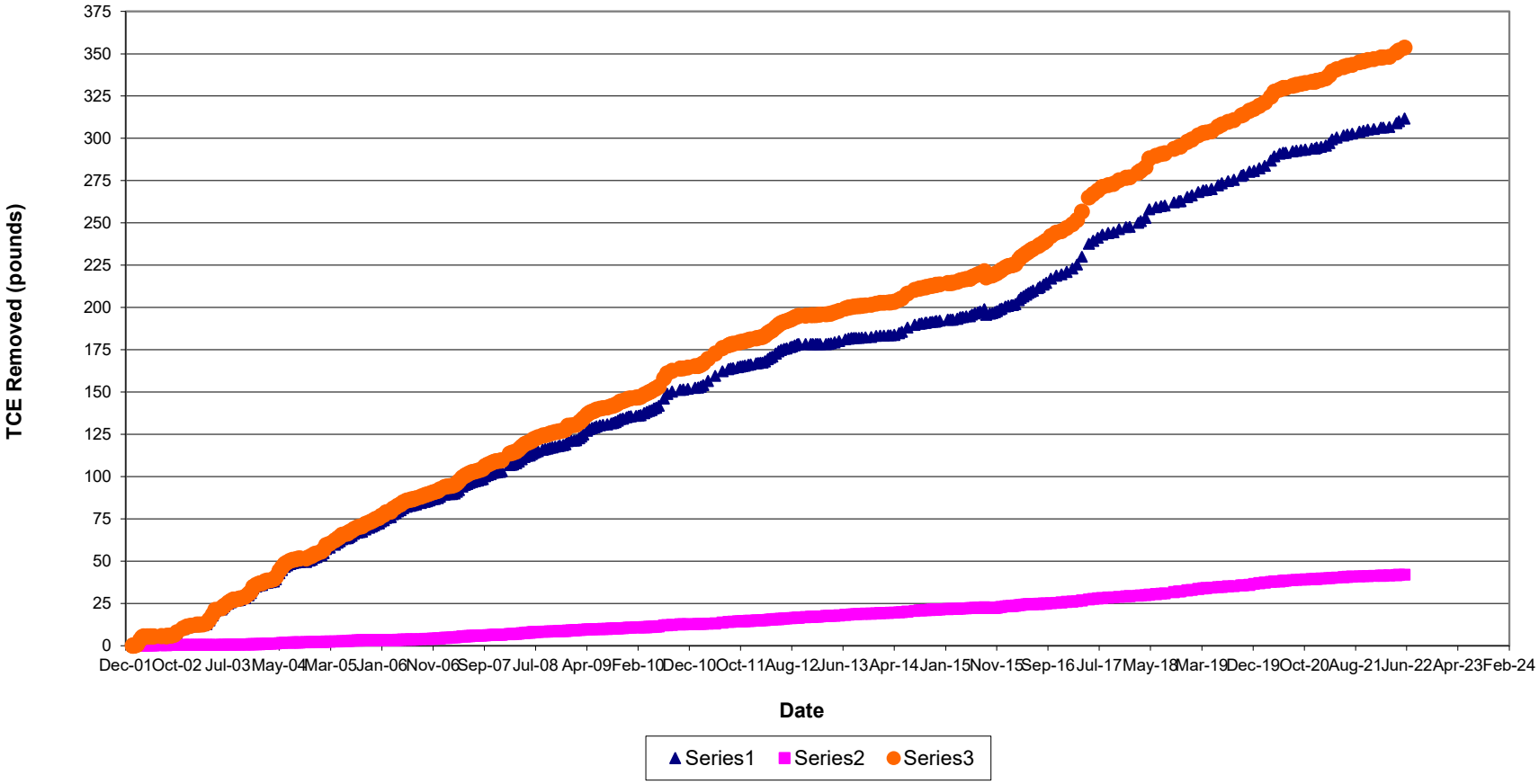


Figure 4: VOCs Removed - SVE System
Former Johnson Controls, Inc. - Humboldt Facility
3713 North Humboldt Boulevard
Milwaukee, Wisconsin

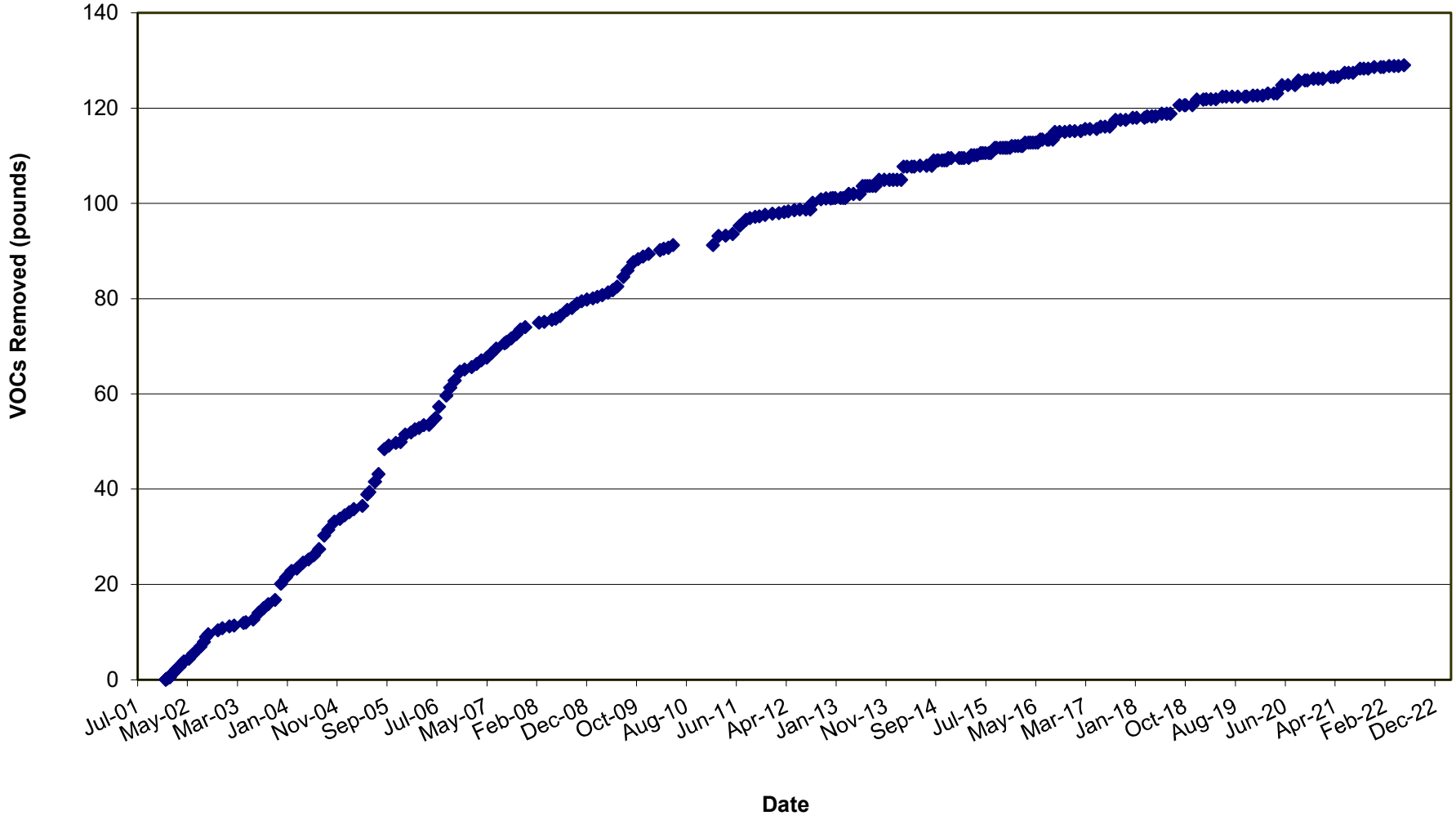
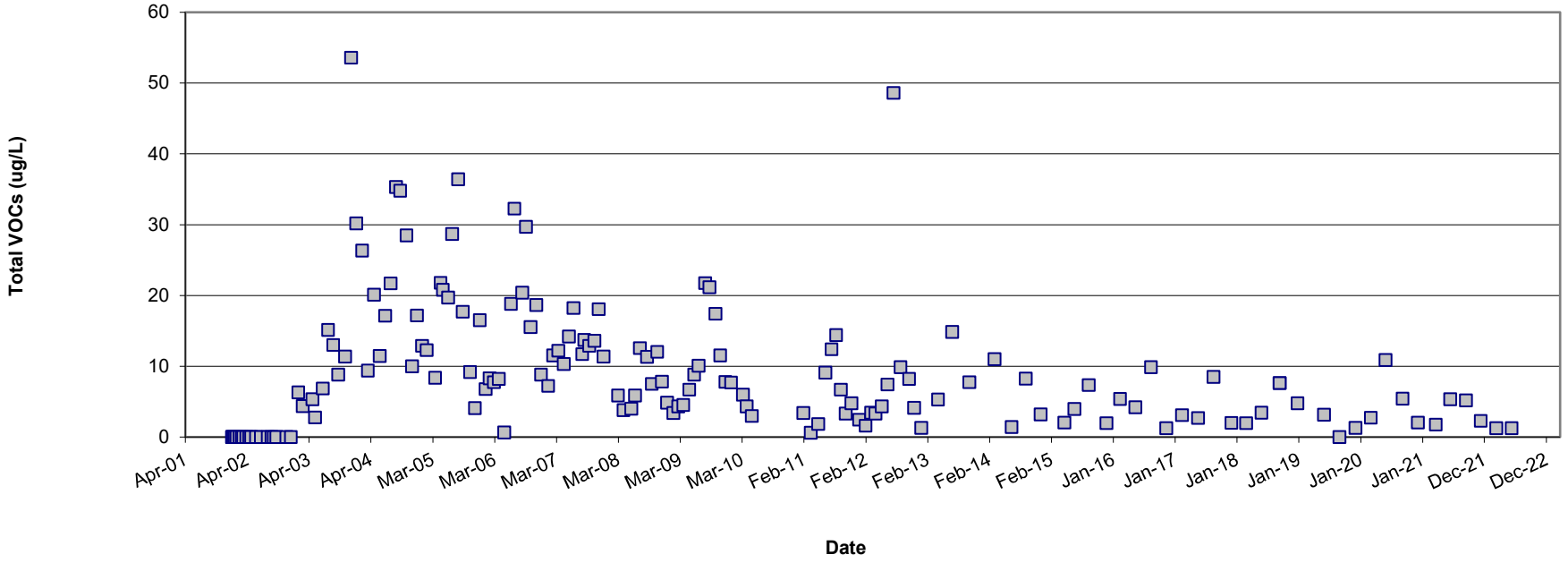


Figure 5: SVE Exhaust VOC Concentration
Former Johnson Controls, Inc. - Humboldt Facility
3713 North Humboldt Boulevard
Milwaukee, Wisconsin



Note: SVE exhaust samples were obtained using a tenex tube until January 2003 when a summa canister was used.

Attachment A

WDNR Form 4400-194

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

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

GENERAL INSTRUCTIONS, PURPOSE AND APPLICABILITY OF THIS FORM:

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

Notes:

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

Section GI - General Site Information

A. General Information

1. Site name

Former Johnson Controls, Inc. - Humboldt Facility

2. Reporting period from:	To:	Days in period:
12/9/2021	6/7/2022	180

3. Regulatory agency (enter DNR, DATCP and/or other)	4. BRRTS ID No. (2 digit program-2 digit county-6 digit site specific)
DNR	02-41-231951

5. Site location

Region	County	Address
Southeast Region	Milwaukee	3713 N. Humboldt Blvd.

Municipality name	Township	Range	Section	¼	¼ ¼
◉ City ○ Town ○ Village		◉E ○W			
City: Milwaukee	07 N	22	9	SE	NW

6. Responsible party	7. Consultant
Name: Rick Bethel (Sr. Manager-Environmental Remediation, EHS)	☐ Select if the following information has changed since the last submittal
Mailing address: 5757 N. Green Bay Avenue, Milwaukee, WI 53209	Company name: TRC
Phone number: (513) 314-7543	Mailing address: 708 Heartland Trail Suite 3000 Madison, WI 53717
	Phone number: (608) 826-3600

8. Contaminants

Trichloroethene (TCE)

9. Soil types (USCS or USDA)

CL

10. Hydraulic conductivity(cm/sec):	11. Average linear velocity of groundwater (ft/yr)
3.6 x 10^-5	5.3

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

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

B. Remediation Method

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

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

C. General Effectiveness Evaluation for All Active Systems

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

1. Is the system operating at design rates and specifications? ◉ Yes ◯ No
   If the answer is no, explain whether or not modifications are necessary to achieve the goal that was previously established in design.

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:

D. Economic and Cost Data to Date

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

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

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

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

Registered Professional Engineers:

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

Print name	Title
Benjamin Wachholz	Senior Project Engineer
Signature	Date
	September 20, 2022

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

Professional Seal(s), if applicable:

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

A. Groundwater Extraction System Operation:

1. Total number of groundwater extraction wells or trenches available: 2 and the number in use during period: 2
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain:
   S01 System - 180 days
   S03 System - 164 days; The effluent piping was found to be frozen on 2/2/22. Piping was thawed and system operated satisfactorily after resolving issue.
3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:
   S01 System - 100%
   S03 System - 91%; See comment in A.2.
4. Quantity of groundwater extracted during this time period: S01 - 26,440 gallons S03 - 25,140 gallons
5. Average groundwater extraction rate: S01 - 0.10 gpm S03 - 0.11 gpm gpm
6. Quantity of dissolved phase contaminants removed during this time period in pounds: S01 - 0.72 lbs S03 - 6.21 lbs lbs

B. Free Product Recovery System Operation

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

C. System Effectiveness Evaluation

1. Is a contaminated groundwater plume fully contained in the capture zone? ◯ Yes ◉ No
   If no, explain: The remedial systems at the former JCI facility were not designed for complete capture of the groundwater contaminant plume. The remedial system at S03 was installed for source control, and the remedial system at S01 was installed to treat the impacted water captured by the basement sump. JCI and TRC continue to evaluate the site data to determine if other remedial actions are warranted.
2. If free product is present, is the free product fully contained in capture zone?
   If no, explain: N/A
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: Trichloroethene
   b. Percent reduction necessary to reach ch. NR 140 ES and PAL: 99.99 %
   c. Maximum contaminant concentration level in any monitoring well of that contaminant: TW-18 - 468,000 µg/L
   d. Maximum contaminant concentration level in any extraction well of that contaminant: S03 - 39,300 µg/L

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

TW18-2017 is located near the source area under the existing building. The existing remedial system has a limited radius of influence/capture due to the lithology present at the site. System expansion is restricted due to the existing building.

D. Additional Attachments

Attach the following to this form:

- Most recent report to the DNR Wastewater Program, if applicable. Attachment B
- Groundwater contour map with capture zone indicated. Drawing 3
- Groundwater contaminant distribution map (may be combined with contour map). Drawing 4
- Graph of cumulative contaminant removal, if both free product recovery and ground water extraction are used, provide separate graphs. Figure 3
- 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. Figure 2
  - -- Graph of contaminant concentrations versus time for the monitoring well with the greatest level of contamination. Figure 1
- Groundwater contaminant chemistry table. Table 6 and 7
- Groundwater elevations table. Table 5
- System operational data table. Table 3 and 4

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.

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.

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: 10

2. Number of days of operation (only list the number of days the system actually operated, if unknown explain): 180

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

4. Average depth to groundwater: 7.04 gpm

B. Building Basement/Subslab Venting System Operation

1. Number of venting points available and number of points actually in use during the period: N/A

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

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

C. Effectiveness Evaluation

1. Average contaminant removal rate for the entire system: 0.002 pounds per day

2. Average contaminant removal rate per well or venting point: 0.0002 pounds per day

3. If the average contaminant removal rate is less than one pound per day for the entire system, or if the average contaminant removal rate per well is less than one tenth of a pound per day, evaluate the following:

   a. If contaminants are aerobically biodegradable and confirmation borings have not been drilled in the past year:

      i. Oxygen levels in extracted air: percent

      ii. Methane levels in extracted air (ppm_V) If over 10 ppm_V, explain:

      iii. If methane is not present above 10 ppm_V and if oxygen is greater than 20 percent in extracted air, you should either:
      - Drill confirmation borings during the next reporting period, if the entire site should be considered for closure.
      - Or, perform an in situ respirometry test in a zone of high contamination. Do not perform the test in an air extraction well, use a gas probe or water table well. If a zero order rate of decay based on oxygen depletion is less than 2 mg/kg per day, then you should drill confirmation borings, if the entire site should be considered for closure. If the rate of decay is between 2 and 10 mg/kg, operate for one more reporting period before evaluating further. If the zero order rate of decay is greater than 10 mg/kg total hydrocarbons, continue operating the system in a manner than maximizes aerobic biodegradation.

   b. If contaminants are not aerobically biodegradable and confirmation borings have not been recently drilled during the past year, you should drill confirmation borings during the next reporting period if the entire site should be considered for closure.

   c. If soil borings were drilled during the past year and soil contamination remains above acceptable levels, explain if the system effectiveness can be increased and/or if other options need to be considered to achieve cleanup criteria.

D. Additional Attachments

Attach the following to this form:
- Well and soil sample location map indicating all air extraction wells. If forced air injection wells are also in use, identify those wells. Drawing 2
- If water table monitoring wells are present at the site, a map of well locations. Drawing 2 and 3
- Time versus vapor phase contaminant concentration graph. Figure 5
- Time versus cumulative contaminant removal graph. Figure 4
- Groundwater elevations table, if water table wells are present at the site; also list screen lengths and elevations. Table 5, 6 and Attachment D
- Table of soil contaminant chemistry data. Not Included
- Soil gas data, if gas probes are used to monitor subsurface conditions in locations other than where air is extracted. N/A
- System operational data table. Table 1

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.

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.

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.

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: _____ µg/kg

b. Specific compounds (µg/kg):

i. Benzene: _____ µg/kg

ii. 1,2 Dichloroethane: _____ µg/kg

iii. Ethylbenzene: _____ µg/kg

iv. Toluene: _____ µg/kg

v. Total xylenes: _____ µg/kg

B. Additional Attachments

Attach the following to this form:

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

Section ES-3, Landfills

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

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

Summary of Deficiencies and/or Corrective Actions:

B. Additional Attachments

Attach the following to this form:

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

Attachment B

Discharge Monitoring Report Form

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: JOHNSON CONTROLS INC - HUMBOLDT FACILITY (FORMER)
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:	494967
FIN:	8007
FID:	241039040
Region:	Southeast Region
Permit Drafter:	Drafter not set
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	002
	Description	S03	S01
	Parameter	211	211
	Description	Flow Rate	Flow Rate
	Units	gpd	gpd
	Sample Type	ESTIMATED	ESTIMATED
	Frequency	DAILY	DAILY
Sample Results	Day 1	150	153
	2	150	153
	3	150	153
	4	150	153
	5	150	153
	6	150	153
	7	150	153
	8	150	153
	9	150	153
	10	150	153
	11	89	78
	12	89	78
	13	89	78
	14	89	78
	15	89	78
	16	89	78
	17	89	78
	18	89	78
	19	89	78
	20	89	78
	21	89	78
	22	89	78
	23	89	78
	24	89	78
	25	89	78
	26	89	78
	27	89	78
	28	89	78
	29	89	78
	30	89	78
	31		

	Sample Point	001	002
	Description	S03	S01
	Parameter	211	211
	Description	Flow Rate	Flow Rate
	Units	gpd	gpd
Summary Values	**Monthly Avg**	109.333333333	103
	Daily Max	150	153
	Daily Min	89	78
QA/QC Information	**LOD**		
	LOQ		
	QC Exceedance	N	N
	Lab Certification		

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

General Remarks

The estimated daily flow for both systems is calculated using the recorded total flow and time between monitoring events.

Laboratory Quality Control Comments

Submitted by bwachholz1 on 07/21/2022 3:33:32 PM

Wastewater Discharge Monitoring Short Report

For DNR Use Only

Facility Name : JOHNSON CONTROLS INC - HUMBOLDT FACILITY (FORMER)
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:	495831
FIN:	8007
FID:	241039040
Region:	Southeast 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	393	PAHs	06/06/2022	GRAB	<0.026	ug/L	Monthly Avg	0.10(0)			N	405132750
001	508	Trichloro- ethylene	06/06/2022	GRAB	<0.32	ug/L	Monthly Avg	50(0)	0.32	1.0	N	405132750
001	517	Vinyl chloride	06/06/2022	GRAB	<0.17	ug/L	Monthly Avg	10(0)	0.17	1.0	N	405132750
002	393	PAHs	06/06/2022	GRAB	<0.029	ug/L	Monthly Avg	0.10(0)			N	405132750
002	508	Trichloro- ethylene	06/06/2022	GRAB	<0.32	ug/L	Monthly Avg	50(0)	0.32	1.0	N	405132750
002	517	Vinyl chloride	06/06/2022	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 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 3:34:35 PM

Attachment C

Laboratory Results

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

March 16, 2022

Andrew Stehn
TRC Madison
708 Heartland Trail
Madison, WI 53717

RE: Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Dear Andrew Stehn:

Enclosed are the analytical results for sample(s) received by the laboratory on March 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
tod.noltemeyer@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Peggy Popp, TRC - Madison
JOHN ROELKE, TRC - Madison
Katherine Vader, TRC Environmental Corporation

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40241675001	**S01 EFFLUENT**	Water	03/08/22 12:06	03/10/22 09:15
40241675002	**S01 BETWEEN C1**	Water	03/08/22 12:15	03/10/22 09:15
40241675003	**S01 INFLUENT**	Water	03/08/22 12:18	03/10/22 09:15
40241675004	**S03 EFFLUENT**	Water	03/08/22 14:05	03/10/22 09:15
40241675005	**S03 BETWEEN C2**	Water	03/08/22 14:12	03/10/22 09:15
40241675006	**S03 BETWEEN C1**	Water	03/08/22 14:19	03/10/22 09:15
40241675007	**S03 INFLUENT**	Water	03/08/22 14:25	03/10/22 09:15
40241675008	**TRIP BLANK**	Water	03/08/22 00:00	03/10/22 09:15

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40241675001	**S01 EFFLUENT**	EPA 8270E by SIM	RJN	20
		EPA 8260	LAP	64
40241675002	**S01 BETWEEN C1**	EPA 8260	LAP	64
40241675003	**S01 INFLUENT**	EPA 8260	LAP	64
40241675004	**S03 EFFLUENT**	EPA 8270E by SIM	RJN	20
		EPA 8260	LAP	64
40241675005	**S03 BETWEEN C2**	EPA 8260	LAP	64
40241675006	**S03 BETWEEN C1**	EPA 8260	LAP	64
40241675007	**S03 INFLUENT**	EPA 8260	LAP	64
40241675008	**TRIP BLANK**	EPA 8260	LAP	64

PASI-G = Pace Analytical Services - Green Bay

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40241675001	**S01 EFFLUENT**					
EPA 8270E by SIM	Naphthalene	0.090	ug/L	0.050	03/15/22 15:58	
40241675002	**S01 BETWEEN C1**					
EPA 8260	cis-1,2-Dichloroethene	1.0	ug/L	1.0	03/14/22 15:58	
EPA 8260	Trichloroethene	2.3	ug/L	1.0	03/14/22 15:58	
40241675003	**S01 INFLUENT**					
EPA 8260	Trichloroethene	2950	ug/L	40.0	03/14/22 12:30	
40241675004	**S03 EFFLUENT**					
EPA 8270E by SIM	Naphthalene	0.044J	ug/L	0.063	03/15/22 16:16	
40241675006	**S03 BETWEEN C1**					
EPA 8260	Trichloroethene	0.91J	ug/L	1.0	03/14/22 11:21	
40241675007	**S03 INFLUENT**					
EPA 8260	cis-1,2-Dichloroethene	205	ug/L	200	03/14/22 11:40	
EPA 8260	Trichloroethene	27200	ug/L	200	03/14/22 11:40	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Method: **EPA 8270E by SIM**
Description: 8270E MSSV PAH
Client: TRC - MADISON
Date: March 16, 2022

General Information:
2 samples were analyzed for EPA 8270E by 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 3510 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: 410224

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

Additional Comments:

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Method: **EPA 8260**
Description: 8260 MSV
Client: TRC - MADISON
Date: March 16, 2022

General Information:
8 samples were analyzed for EPA 8260 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.

QC Batch: 410085

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

- LCS (Lab ID: 2362977)
  - Isopropylbenzene (Cumene)

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.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Sample: S01 EFFLUENT **Lab ID: 40241675001** Collected: 03/08/22 12:06 Received: 03/10/22 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	**<0.014**	ug/L	0.050	0.014	1	03/14/22 08:38	03/15/22 15:58	83-32-9	
Acenaphthylene	**<0.013**	ug/L	0.050	0.013	1	03/14/22 08:38	03/15/22 15:58	208-96-8	
Anthracene	**<0.018**	ug/L	0.050	0.018	1	03/14/22 08:38	03/15/22 15:58	120-12-7	
Benzo(a)anthracene	**<0.014**	ug/L	0.050	0.014	1	03/14/22 08:38	03/15/22 15:58	56-55-3	
Benzo(a)pyrene	**<0.019**	ug/L	0.050	0.019	1	03/14/22 08:38	03/15/22 15:58	50-32-8	
Benzo(b)fluoranthene	**<0.019**	ug/L	0.050	0.019	1	03/14/22 08:38	03/15/22 15:58	205-99-2	
Benzo(g,h,i)perylene	**<0.023**	ug/L	0.050	0.023	1	03/14/22 08:38	03/15/22 15:58	191-24-2	
Benzo(k)fluoranthene	**<0.022**	ug/L	0.050	0.022	1	03/14/22 08:38	03/15/22 15:58	207-08-9	
Chrysene	**<0.026**	ug/L	0.050	0.026	1	03/14/22 08:38	03/15/22 15:58	218-01-9	
Dibenz(a,h)anthracene	**<0.018**	ug/L	0.050	0.018	1	03/14/22 08:38	03/15/22 15:58	53-70-3	
Fluoranthene	**<0.026**	ug/L	0.050	0.026	1	03/14/22 08:38	03/15/22 15:58	206-44-0	
Fluorene	**<0.023**	ug/L	0.050	0.023	1	03/14/22 08:38	03/15/22 15:58	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.015**	ug/L	0.050	0.015	1	03/14/22 08:38	03/15/22 15:58	193-39-5	
1-Methylnaphthalene	**<0.018**	ug/L	0.050	0.018	1	03/14/22 08:38	03/15/22 15:58	90-12-0	
2-Methylnaphthalene	**<0.014**	ug/L	0.050	0.014	1	03/14/22 08:38	03/15/22 15:58	91-57-6	
Naphthalene	**0.090**	ug/L	0.050	0.020	1	03/14/22 08:38	03/15/22 15:58	91-20-3	
Phenanthrene	**<0.025**	ug/L	0.050	0.025	1	03/14/22 08:38	03/15/22 15:58	85-01-8	
Pyrene	**<0.022**	ug/L	0.050	0.022	1	03/14/22 08:38	03/15/22 15:58	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%	10-113		1	03/14/22 08:38	03/15/22 15:58	321-60-8	
Terphenyl-d14 (S)	68	%	28-124		1	03/14/22 08:38	03/15/22 15:58	1718-51-0	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		03/11/22 16:57	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		03/11/22 16:57	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		03/11/22 16:57	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		03/11/22 16:57	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		03/11/22 16:57	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		03/11/22 16:57	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		03/11/22 16:57	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/11/22 16:57	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		03/11/22 16:57	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		03/11/22 16:57	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		03/11/22 16:57	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		03/11/22 16:57	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		03/11/22 16:57	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		03/11/22 16:57	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		03/11/22 16:57	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		03/11/22 16:57	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		03/11/22 16:57	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		03/11/22 16:57	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		03/11/22 16:57	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		03/11/22 16:57	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		03/11/22 16:57	95-50-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Sample: S01 EFFLUENT **Lab ID: 40241675001** Collected: 03/08/22 12:06 Received: 03/10/22 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		03/11/22 16:57	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		03/11/22 16:57	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		03/11/22 16:57	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		03/11/22 16:57	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		03/11/22 16:57	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		03/11/22 16:57	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		03/11/22 16:57	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		03/11/22 16:57	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		03/11/22 16:57	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		03/11/22 16:57	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		03/11/22 16:57	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		03/11/22 16:57	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		03/11/22 16:57	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		03/11/22 16:57	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		03/11/22 16:57	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		03/11/22 16:57	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		03/11/22 16:57	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		03/11/22 16:57	98-82-8	L1
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		03/11/22 16:57	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		03/11/22 16:57	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		03/11/22 16:57	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		03/11/22 16:57	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		03/11/22 16:57	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		03/11/22 16:57	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		03/11/22 16:57	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		03/11/22 16:57	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		03/11/22 16:57	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		03/11/22 16:57	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		03/11/22 16:57	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		03/11/22 16:57	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		03/11/22 16:57	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		03/11/22 16:57	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		03/11/22 16:57	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		03/11/22 16:57	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		03/11/22 16:57	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		03/11/22 16:57	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		03/11/22 16:57	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		03/11/22 16:57	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		03/11/22 16:57	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		03/11/22 16:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		03/11/22 16:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		1		03/11/22 16:57	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		03/11/22 16:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Sample: S01 BETWEEN C1 **Lab ID: 40241675002** Collected: 03/08/22 12:15 Received: 03/10/22 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		03/14/22 15:58	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		03/14/22 15:58	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		03/14/22 15:58	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		03/14/22 15:58	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		03/14/22 15:58	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		03/14/22 15:58	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		03/14/22 15:58	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/14/22 15:58	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		03/14/22 15:58	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		03/14/22 15:58	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		03/14/22 15:58	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		03/14/22 15:58	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		03/14/22 15:58	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		03/14/22 15:58	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		03/14/22 15:58	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		03/14/22 15:58	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		03/14/22 15:58	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		03/14/22 15:58	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		03/14/22 15:58	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		03/14/22 15:58	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		03/14/22 15:58	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		03/14/22 15:58	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		03/14/22 15:58	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		03/14/22 15:58	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		03/14/22 15:58	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		03/14/22 15:58	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		03/14/22 15:58	75-35-4	
cis-1,2-Dichloroethene	**1.0**	ug/L	1.0	0.47	1		03/14/22 15:58	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		03/14/22 15:58	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		03/14/22 15:58	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		03/14/22 15:58	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		03/14/22 15:58	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		03/14/22 15:58	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		03/14/22 15:58	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		03/14/22 15:58	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		03/14/22 15:58	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		03/14/22 15:58	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		03/14/22 15:58	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		03/14/22 15:58	98-82-8	L1
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		03/14/22 15:58	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		03/14/22 15:58	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		03/14/22 15:58	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		03/14/22 15:58	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		03/14/22 15:58	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		03/14/22 15:58	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Sample: S01 BETWEEN C1 **Lab ID: 40241675002** Collected: 03/08/22 12:15 Received: 03/10/22 09:15 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		03/14/22 15:58	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		03/14/22 15:58	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		03/14/22 15:58	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		03/14/22 15:58	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		03/14/22 15:58	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		03/14/22 15:58	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		03/14/22 15:58	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		03/14/22 15:58	79-00-5	
Trichloroethene	**2.3**	ug/L	1.0	0.32	1		03/14/22 15:58	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		03/14/22 15:58	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		03/14/22 15:58	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		03/14/22 15:58	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		03/14/22 15:58	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		03/14/22 15:58	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		03/14/22 15:58	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		03/14/22 15:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/14/22 15:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	110	%	70-130		1		03/14/22 15:58	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		03/14/22 15:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Sample: S01 INFLUENT **Lab ID: 40241675003** Collected: 03/08/22 12:18 Received: 03/10/22 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<11.8**	ug/L	40.0	11.8	40		03/14/22 12:30	71-43-2	
Bromobenzene	**<14.4**	ug/L	40.0	14.4	40		03/14/22 12:30	108-86-1	
Bromochloromethane	**<14.3**	ug/L	200	14.3	40		03/14/22 12:30	74-97-5	
Bromodichloromethane	**<16.6**	ug/L	40.0	16.6	40		03/14/22 12:30	75-27-4	
Bromoform	**<152**	ug/L	200	152	40		03/14/22 12:30	75-25-2	
Bromomethane	**<47.7**	ug/L	200	47.7	40		03/14/22 12:30	74-83-9	
n-Butylbenzene	**<34.3**	ug/L	40.0	34.3	40		03/14/22 12:30	104-51-8	
sec-Butylbenzene	**<17.0**	ug/L	40.0	17.0	40		03/14/22 12:30	135-98-8	
tert-Butylbenzene	**<23.4**	ug/L	40.0	23.4	40		03/14/22 12:30	98-06-6	
Carbon tetrachloride	**<14.8**	ug/L	40.0	14.8	40		03/14/22 12:30	56-23-5	
Chlorobenzene	**<34.2**	ug/L	40.0	34.2	40		03/14/22 12:30	108-90-7	
Chloroethane	**<55.2**	ug/L	200	55.2	40		03/14/22 12:30	75-00-3	
Chloroform	**<47.3**	ug/L	200	47.3	40		03/14/22 12:30	67-66-3	
Chloromethane	**<65.4**	ug/L	200	65.4	40		03/14/22 12:30	74-87-3	
2-Chlorotoluene	**<35.6**	ug/L	200	35.6	40		03/14/22 12:30	95-49-8	
4-Chlorotoluene	**<35.8**	ug/L	200	35.8	40		03/14/22 12:30	106-43-4	
1,2-Dibromo-3-chloropropane	**<94.7**	ug/L	200	94.7	40		03/14/22 12:30	96-12-8	
Dibromochloromethane	**<106**	ug/L	200	106	40		03/14/22 12:30	124-48-1	
1,2-Dibromoethane (EDB)	**<12.4**	ug/L	40.0	12.4	40		03/14/22 12:30	106-93-4	
Dibromomethane	**<39.6**	ug/L	200	39.6	40		03/14/22 12:30	74-95-3	
1,2-Dichlorobenzene	**<13.0**	ug/L	40.0	13.0	40		03/14/22 12:30	95-50-1	
1,3-Dichlorobenzene	**<14.0**	ug/L	40.0	14.0	40		03/14/22 12:30	541-73-1	
1,4-Dichlorobenzene	**<35.7**	ug/L	40.0	35.7	40		03/14/22 12:30	106-46-7	
Dichlorodifluoromethane	**<18.2**	ug/L	200	18.2	40		03/14/22 12:30	75-71-8	
1,1-Dichloroethane	**<11.8**	ug/L	40.0	11.8	40		03/14/22 12:30	75-34-3	
1,2-Dichloroethane	**<11.7**	ug/L	40.0	11.7	40		03/14/22 12:30	107-06-2	
1,1-Dichloroethene	**<23.3**	ug/L	40.0	23.3	40		03/14/22 12:30	75-35-4	
cis-1,2-Dichloroethene	**<18.9**	ug/L	40.0	18.9	40		03/14/22 12:30	156-59-2	
trans-1,2-Dichloroethene	**<21.1**	ug/L	40.0	21.1	40		03/14/22 12:30	156-60-5	
1,2-Dichloropropane	**<17.9**	ug/L	40.0	17.9	40		03/14/22 12:30	78-87-5	
1,3-Dichloropropane	**<12.2**	ug/L	40.0	12.2	40		03/14/22 12:30	142-28-9	
2,2-Dichloropropane	**<167**	ug/L	200	167	40		03/14/22 12:30	594-20-7	
1,1-Dichloropropene	**<16.4**	ug/L	40.0	16.4	40		03/14/22 12:30	563-58-6	
cis-1,3-Dichloropropene	**<14.3**	ug/L	40.0	14.3	40		03/14/22 12:30	10061-01-5	
trans-1,3-Dichloropropene	**<138**	ug/L	200	138	40		03/14/22 12:30	10061-02-6	
Diisopropyl ether	**<44.0**	ug/L	200	44.0	40		03/14/22 12:30	108-20-3	
Ethylbenzene	**<13.0**	ug/L	40.0	13.0	40		03/14/22 12:30	100-41-4	
Hexachloro-1,3-butadiene	**<109**	ug/L	200	109	40		03/14/22 12:30	87-68-3	
Isopropylbenzene (Cumene)	**<40.0**	ug/L	200	40.0	40		03/14/22 12:30	98-82-8	L1
p-Isopropyltoluene	**<41.8**	ug/L	200	41.8	40		03/14/22 12:30	99-87-6	
Methylene Chloride	**<12.8**	ug/L	200	12.8	40		03/14/22 12:30	75-09-2	
Methyl-tert-butyl ether	**<45.2**	ug/L	200	45.2	40		03/14/22 12:30	1634-04-4	
Naphthalene	**<45.2**	ug/L	200	45.2	40		03/14/22 12:30	91-20-3	
n-Propylbenzene	**<13.8**	ug/L	40.0	13.8	40		03/14/22 12:30	103-65-1	
Styrene	**<14.3**	ug/L	40.0	14.3	40		03/14/22 12:30	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Sample: S01 INFLUENT **Lab ID: 40241675003** Collected: 03/08/22 12:18 Received: 03/10/22 09:15 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	**<14.2**	ug/L	40.0	14.2	40		03/14/22 12:30	630-20-6	
1,1,2,2-Tetrachloroethane	**<15.1**	ug/L	40.0	15.1	40		03/14/22 12:30	79-34-5	
Tetrachloroethene	**<16.3**	ug/L	40.0	16.3	40		03/14/22 12:30	127-18-4	
Toluene	**<11.5**	ug/L	40.0	11.5	40		03/14/22 12:30	108-88-3	
1,2,3-Trichlorobenzene	**<40.7**	ug/L	200	40.7	40		03/14/22 12:30	87-61-6	
1,2,4-Trichlorobenzene	**<38.0**	ug/L	200	38.0	40		03/14/22 12:30	120-82-1	
1,1,1-Trichloroethane	**<12.1**	ug/L	40.0	12.1	40		03/14/22 12:30	71-55-6	
1,1,2-Trichloroethane	**<13.8**	ug/L	200	13.8	40		03/14/22 12:30	79-00-5	
Trichloroethene	**2950**	ug/L	40.0	12.8	40		03/14/22 12:30	79-01-6	
Trichlorofluoromethane	**<16.7**	ug/L	40.0	16.7	40		03/14/22 12:30	75-69-4	
1,2,3-Trichloropropane	**<22.2**	ug/L	200	22.2	40		03/14/22 12:30	96-18-4	
1,2,4-Trimethylbenzene	**<17.9**	ug/L	40.0	17.9	40		03/14/22 12:30	95-63-6	
1,3,5-Trimethylbenzene	**<14.3**	ug/L	40.0	14.3	40		03/14/22 12:30	108-67-8	
Vinyl chloride	**<7.0**	ug/L	40.0	7.0	40		03/14/22 12:30	75-01-4	
m&p-Xylene	**<28.0**	ug/L	80.0	28.0	40		03/14/22 12:30	179601-23-1	
o-Xylene	**<13.9**	ug/L	40.0	13.9	40		03/14/22 12:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		40		03/14/22 12:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		40		03/14/22 12:30	2199-69-1	
Toluene-d8 (S)	101	%	70-130		40		03/14/22 12:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Sample: S03 EFFLUENT **Lab ID: 40241675004** Collected: 03/08/22 14:05 Received: 03/10/22 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	**<0.018**	ug/L	0.063	0.018	1	03/14/22 08:38	03/15/22 16:16	83-32-9	
Acenaphthylene	**<0.016**	ug/L	0.063	0.016	1	03/14/22 08:38	03/15/22 16:16	208-96-8	
Anthracene	**<0.023**	ug/L	0.063	0.023	1	03/14/22 08:38	03/15/22 16:16	120-12-7	
Benzo(a)anthracene	**<0.017**	ug/L	0.063	0.017	1	03/14/22 08:38	03/15/22 16:16	56-55-3	
Benzo(a)pyrene	**<0.025**	ug/L	0.063	0.025	1	03/14/22 08:38	03/15/22 16:16	50-32-8	
Benzo(b)fluoranthene	**<0.025**	ug/L	0.063	0.025	1	03/14/22 08:38	03/15/22 16:16	205-99-2	
Benzo(g,h,i)perylene	**<0.029**	ug/L	0.063	0.029	1	03/14/22 08:38	03/15/22 16:16	191-24-2	
Benzo(k)fluoranthene	**<0.028**	ug/L	0.063	0.028	1	03/14/22 08:38	03/15/22 16:16	207-08-9	
Chrysene	**<0.034**	ug/L	0.063	0.034	1	03/14/22 08:38	03/15/22 16:16	218-01-9	
Dibenz(a,h)anthracene	**<0.022**	ug/L	0.063	0.022	1	03/14/22 08:38	03/15/22 16:16	53-70-3	
Fluoranthene	**<0.033**	ug/L	0.063	0.033	1	03/14/22 08:38	03/15/22 16:16	206-44-0	
Fluorene	**<0.030**	ug/L	0.063	0.030	1	03/14/22 08:38	03/15/22 16:16	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.063	0.020	1	03/14/22 08:38	03/15/22 16:16	193-39-5	
1-Methylnaphthalene	**<0.023**	ug/L	0.063	0.023	1	03/14/22 08:38	03/15/22 16:16	90-12-0	
2-Methylnaphthalene	**<0.017**	ug/L	0.063	0.017	1	03/14/22 08:38	03/15/22 16:16	91-57-6	
Naphthalene	**0.044J**	ug/L	0.063	0.025	1	03/14/22 08:38	03/15/22 16:16	91-20-3	
Phenanthrene	**<0.032**	ug/L	0.063	0.032	1	03/14/22 08:38	03/15/22 16:16	85-01-8	
Pyrene	**<0.029**	ug/L	0.063	0.029	1	03/14/22 08:38	03/15/22 16:16	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	48	%	10-113		1	03/14/22 08:38	03/15/22 16:16	321-60-8	
Terphenyl-d14 (S)	56	%	28-124		1	03/14/22 08:38	03/15/22 16:16	1718-51-0	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		03/14/22 10:22	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		03/14/22 10:22	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		03/14/22 10:22	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		03/14/22 10:22	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		03/14/22 10:22	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		03/14/22 10:22	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		03/14/22 10:22	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/14/22 10:22	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		03/14/22 10:22	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		03/14/22 10:22	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		03/14/22 10:22	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		03/14/22 10:22	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		03/14/22 10:22	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		03/14/22 10:22	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		03/14/22 10:22	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		03/14/22 10:22	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		03/14/22 10:22	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		03/14/22 10:22	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		03/14/22 10:22	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		03/14/22 10:22	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		03/14/22 10:22	95-50-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Sample: S03 EFFLUENT **Lab ID: 40241675004** Collected: 03/08/22 14:05 Received: 03/10/22 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		03/14/22 10:22	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		03/14/22 10:22	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		03/14/22 10:22	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		03/14/22 10:22	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		03/14/22 10:22	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		03/14/22 10:22	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		03/14/22 10:22	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		03/14/22 10:22	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		03/14/22 10:22	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		03/14/22 10:22	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		03/14/22 10:22	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		03/14/22 10:22	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		03/14/22 10:22	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		03/14/22 10:22	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		03/14/22 10:22	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		03/14/22 10:22	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		03/14/22 10:22	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		03/14/22 10:22	98-82-8	L1
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		03/14/22 10:22	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		03/14/22 10:22	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		03/14/22 10:22	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		03/14/22 10:22	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		03/14/22 10:22	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		03/14/22 10:22	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		03/14/22 10:22	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		03/14/22 10:22	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		03/14/22 10:22	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		03/14/22 10:22	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		03/14/22 10:22	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		03/14/22 10:22	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		03/14/22 10:22	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		03/14/22 10:22	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		03/14/22 10:22	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		03/14/22 10:22	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		03/14/22 10:22	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		03/14/22 10:22	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		03/14/22 10:22	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		03/14/22 10:22	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		03/14/22 10:22	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		03/14/22 10:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		03/14/22 10:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		03/14/22 10:22	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		03/14/22 10:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Sample: S03 BETWEEN C2 **Lab ID: 40241675005** Collected: 03/08/22 14:12 Received: 03/10/22 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		03/14/22 11:01	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		03/14/22 11:01	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		03/14/22 11:01	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		03/14/22 11:01	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		03/14/22 11:01	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		03/14/22 11:01	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		03/14/22 11:01	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/14/22 11:01	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		03/14/22 11:01	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		03/14/22 11:01	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		03/14/22 11:01	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		03/14/22 11:01	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		03/14/22 11:01	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		03/14/22 11:01	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		03/14/22 11:01	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		03/14/22 11:01	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		03/14/22 11:01	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		03/14/22 11:01	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		03/14/22 11:01	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		03/14/22 11:01	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		03/14/22 11:01	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		03/14/22 11:01	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		03/14/22 11:01	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		03/14/22 11:01	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		03/14/22 11:01	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		03/14/22 11:01	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		03/14/22 11:01	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		03/14/22 11:01	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		03/14/22 11:01	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		03/14/22 11:01	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		03/14/22 11:01	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		03/14/22 11:01	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		03/14/22 11:01	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		03/14/22 11:01	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		03/14/22 11:01	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		03/14/22 11:01	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		03/14/22 11:01	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		03/14/22 11:01	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		03/14/22 11:01	98-82-8	L1
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		03/14/22 11:01	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		03/14/22 11:01	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		03/14/22 11:01	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		03/14/22 11:01	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		03/14/22 11:01	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		03/14/22 11:01	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Sample: S03 BETWEEN C2 **Lab ID: 40241675005** Collected: 03/08/22 14:12 Received: 03/10/22 09:15 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		03/14/22 11:01	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		03/14/22 11:01	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		03/14/22 11:01	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		03/14/22 11:01	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		03/14/22 11:01	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		03/14/22 11:01	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		03/14/22 11:01	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		03/14/22 11:01	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		03/14/22 11:01	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		03/14/22 11:01	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		03/14/22 11:01	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		03/14/22 11:01	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		03/14/22 11:01	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		03/14/22 11:01	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		03/14/22 11:01	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		03/14/22 11:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		03/14/22 11:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	111	%	70-130		1		03/14/22 11:01	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		03/14/22 11:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Sample: S03 BETWEEN C1 **Lab ID: 40241675006** Collected: 03/08/22 14:19 Received: 03/10/22 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		03/14/22 11:21	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		03/14/22 11:21	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		03/14/22 11:21	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		03/14/22 11:21	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		03/14/22 11:21	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		03/14/22 11:21	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		03/14/22 11:21	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/14/22 11:21	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		03/14/22 11:21	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		03/14/22 11:21	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		03/14/22 11:21	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		03/14/22 11:21	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		03/14/22 11:21	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		03/14/22 11:21	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		03/14/22 11:21	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		03/14/22 11:21	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		03/14/22 11:21	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		03/14/22 11:21	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		03/14/22 11:21	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		03/14/22 11:21	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		03/14/22 11:21	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		03/14/22 11:21	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		03/14/22 11:21	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		03/14/22 11:21	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		03/14/22 11:21	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		03/14/22 11:21	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		03/14/22 11:21	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		03/14/22 11:21	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		03/14/22 11:21	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		03/14/22 11:21	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		03/14/22 11:21	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		03/14/22 11:21	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		03/14/22 11:21	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		03/14/22 11:21	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		03/14/22 11:21	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		03/14/22 11:21	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		03/14/22 11:21	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		03/14/22 11:21	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		03/14/22 11:21	98-82-8	L1
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		03/14/22 11:21	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		03/14/22 11:21	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		03/14/22 11:21	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		03/14/22 11:21	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		03/14/22 11:21	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		03/14/22 11:21	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Sample: S03 BETWEEN C1 **Lab ID: 40241675006** Collected: 03/08/22 14:19 Received: 03/10/22 09:15 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		03/14/22 11:21	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		03/14/22 11:21	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		03/14/22 11:21	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		03/14/22 11:21	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		03/14/22 11:21	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		03/14/22 11:21	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		03/14/22 11:21	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		03/14/22 11:21	79-00-5	
Trichloroethene	**0.91J**	ug/L	1.0	0.32	1		03/14/22 11:21	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		03/14/22 11:21	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		03/14/22 11:21	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		03/14/22 11:21	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		03/14/22 11:21	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		03/14/22 11:21	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		03/14/22 11:21	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		03/14/22 11:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		03/14/22 11:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		03/14/22 11:21	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		03/14/22 11:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Sample: S03 INFLUENT **Lab ID: 40241675007** Collected: 03/08/22 14:25 Received: 03/10/22 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<59.1**	ug/L	200	59.1	200		03/14/22 11:40	71-43-2	
Bromobenzene	**<72.2**	ug/L	200	72.2	200		03/14/22 11:40	108-86-1	
Bromochloromethane	**<71.6**	ug/L	1000	71.6	200		03/14/22 11:40	74-97-5	
Bromodichloromethane	**<83.1**	ug/L	200	83.1	200		03/14/22 11:40	75-27-4	
Bromoform	**<760**	ug/L	1000	760	200		03/14/22 11:40	75-25-2	
Bromomethane	**<238**	ug/L	1000	238	200		03/14/22 11:40	74-83-9	
n-Butylbenzene	**<171**	ug/L	200	171	200		03/14/22 11:40	104-51-8	
sec-Butylbenzene	**<84.8**	ug/L	200	84.8	200		03/14/22 11:40	135-98-8	
tert-Butylbenzene	**<117**	ug/L	200	117	200		03/14/22 11:40	98-06-6	
Carbon tetrachloride	**<73.9**	ug/L	200	73.9	200		03/14/22 11:40	56-23-5	
Chlorobenzene	**<171**	ug/L	200	171	200		03/14/22 11:40	108-90-7	
Chloroethane	**<276**	ug/L	1000	276	200		03/14/22 11:40	75-00-3	
Chloroform	**<237**	ug/L	1000	237	200		03/14/22 11:40	67-66-3	
Chloromethane	**<327**	ug/L	1000	327	200		03/14/22 11:40	74-87-3	
2-Chlorotoluene	**<178**	ug/L	1000	178	200		03/14/22 11:40	95-49-8	
4-Chlorotoluene	**<179**	ug/L	1000	179	200		03/14/22 11:40	106-43-4	
1,2-Dibromo-3-chloropropane	**<473**	ug/L	1000	473	200		03/14/22 11:40	96-12-8	
Dibromochloromethane	**<529**	ug/L	1000	529	200		03/14/22 11:40	124-48-1	
1,2-Dibromoethane (EDB)	**<61.8**	ug/L	200	61.8	200		03/14/22 11:40	106-93-4	
Dibromomethane	**<198**	ug/L	1000	198	200		03/14/22 11:40	74-95-3	
1,2-Dichlorobenzene	**<65.2**	ug/L	200	65.2	200		03/14/22 11:40	95-50-1	
1,3-Dichlorobenzene	**<70.2**	ug/L	200	70.2	200		03/14/22 11:40	541-73-1	
1,4-Dichlorobenzene	**<178**	ug/L	200	178	200		03/14/22 11:40	106-46-7	
Dichlorodifluoromethane	**<91.1**	ug/L	1000	91.1	200		03/14/22 11:40	75-71-8	
1,1-Dichloroethane	**<59.1**	ug/L	200	59.1	200		03/14/22 11:40	75-34-3	
1,2-Dichloroethane	**<58.3**	ug/L	200	58.3	200		03/14/22 11:40	107-06-2	
1,1-Dichloroethene	**<116**	ug/L	200	116	200		03/14/22 11:40	75-35-4	
cis-1,2-Dichloroethene	**205**	ug/L	200	94.3	200		03/14/22 11:40	156-59-2	
trans-1,2-Dichloroethene	**<106**	ug/L	200	106	200		03/14/22 11:40	156-60-5	
1,2-Dichloropropane	**<89.6**	ug/L	200	89.6	200		03/14/22 11:40	78-87-5	
1,3-Dichloropropane	**<61.0**	ug/L	200	61.0	200		03/14/22 11:40	142-28-9	
2,2-Dichloropropane	**<836**	ug/L	1000	836	200		03/14/22 11:40	594-20-7	
1,1-Dichloropropene	**<82.1**	ug/L	200	82.1	200		03/14/22 11:40	563-58-6	
cis-1,3-Dichloropropene	**<71.6**	ug/L	200	71.6	200		03/14/22 11:40	10061-01-5	
trans-1,3-Dichloropropene	**<692**	ug/L	1000	692	200		03/14/22 11:40	10061-02-6	
Diisopropyl ether	**<220**	ug/L	1000	220	200		03/14/22 11:40	108-20-3	
Ethylbenzene	**<65.0**	ug/L	200	65.0	200		03/14/22 11:40	100-41-4	
Hexachloro-1,3-butadiene	**<547**	ug/L	1000	547	200		03/14/22 11:40	87-68-3	
Isopropylbenzene (Cumene)	**<200**	ug/L	1000	200	200		03/14/22 11:40	98-82-8	L1
p-Isopropyltoluene	**<209**	ug/L	1000	209	200		03/14/22 11:40	99-87-6	
Methylene Chloride	**<63.9**	ug/L	1000	63.9	200		03/14/22 11:40	75-09-2	
Methyl-tert-butyl ether	**<226**	ug/L	1000	226	200		03/14/22 11:40	1634-04-4	
Naphthalene	**<226**	ug/L	1000	226	200		03/14/22 11:40	91-20-3	
n-Propylbenzene	**<69.1**	ug/L	200	69.1	200		03/14/22 11:40	103-65-1	
Styrene	**<71.3**	ug/L	200	71.3	200		03/14/22 11:40	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Sample: S03 INFLUENT **Lab ID: 40241675007** Collected: 03/08/22 14:25 Received: 03/10/22 09:15 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	**<71.1**	ug/L	200	71.1	200		03/14/22 11:40	630-20-6	
1,1,2,2-Tetrachloroethane	**<75.6**	ug/L	200	75.6	200		03/14/22 11:40	79-34-5	
Tetrachloroethene	**<81.7**	ug/L	200	81.7	200		03/14/22 11:40	127-18-4	
Toluene	**<57.6**	ug/L	200	57.6	200		03/14/22 11:40	108-88-3	
1,2,3-Trichlorobenzene	**<204**	ug/L	1000	204	200		03/14/22 11:40	87-61-6	
1,2,4-Trichlorobenzene	**<190**	ug/L	1000	190	200		03/14/22 11:40	120-82-1	
1,1,1-Trichloroethane	**<60.5**	ug/L	200	60.5	200		03/14/22 11:40	71-55-6	
1,1,2-Trichloroethane	**<68.9**	ug/L	1000	68.9	200		03/14/22 11:40	79-00-5	
Trichloroethene	**27200**	ug/L	200	63.9	200		03/14/22 11:40	79-01-6	
Trichlorofluoromethane	**<83.7**	ug/L	200	83.7	200		03/14/22 11:40	75-69-4	
1,2,3-Trichloropropane	**<111**	ug/L	1000	111	200		03/14/22 11:40	96-18-4	
1,2,4-Trimethylbenzene	**<89.7**	ug/L	200	89.7	200		03/14/22 11:40	95-63-6	
1,3,5-Trimethylbenzene	**<71.5**	ug/L	200	71.5	200		03/14/22 11:40	108-67-8	
Vinyl chloride	**<34.9**	ug/L	200	34.9	200		03/14/22 11:40	75-01-4	
m&p-Xylene	**<140**	ug/L	400	140	200		03/14/22 11:40	179601-23-1	
o-Xylene	**<69.6**	ug/L	200	69.6	200		03/14/22 11:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		200		03/14/22 11:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		200		03/14/22 11:40	2199-69-1	
Toluene-d8 (S)	102	%	70-130		200		03/14/22 11:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Sample: TRIP BLANK **Lab ID: 40241675008** Collected: 03/08/22 00:00 Received: 03/10/22 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		03/11/22 14:19	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		03/11/22 14:19	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		03/11/22 14:19	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		03/11/22 14:19	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		03/11/22 14:19	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		03/11/22 14:19	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		03/11/22 14:19	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		03/11/22 14:19	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		03/11/22 14:19	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		03/11/22 14:19	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		03/11/22 14:19	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		03/11/22 14:19	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		03/11/22 14:19	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		03/11/22 14:19	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		03/11/22 14:19	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		03/11/22 14:19	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		03/11/22 14:19	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		03/11/22 14:19	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		03/11/22 14:19	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		03/11/22 14:19	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		03/11/22 14:19	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		03/11/22 14:19	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		03/11/22 14:19	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		03/11/22 14:19	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		03/11/22 14:19	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		03/11/22 14:19	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		03/11/22 14:19	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		03/11/22 14:19	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		03/11/22 14:19	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		03/11/22 14:19	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		03/11/22 14:19	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		03/11/22 14:19	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		03/11/22 14:19	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		03/11/22 14:19	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		03/11/22 14:19	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		03/11/22 14:19	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		03/11/22 14:19	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		03/11/22 14:19	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		03/11/22 14:19	98-82-8	L1
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		03/11/22 14:19	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		03/11/22 14:19	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		03/11/22 14:19	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		03/11/22 14:19	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		03/11/22 14:19	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		03/11/22 14:19	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Sample: TRIP BLANK **Lab ID: 40241675008** Collected: 03/08/22 00:00 Received: 03/10/22 09:15 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		03/11/22 14:19	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		03/11/22 14:19	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		03/11/22 14:19	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		03/11/22 14:19	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		03/11/22 14:19	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		03/11/22 14:19	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		03/11/22 14:19	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		03/11/22 14:19	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		03/11/22 14:19	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		03/11/22 14:19	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		03/11/22 14:19	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		03/11/22 14:19	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		03/11/22 14:19	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		03/11/22 14:19	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		03/11/22 14:19	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		03/11/22 14:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		03/11/22 14:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		03/11/22 14:19	2199-69-1	
Toluene-d8 (S)	93	%	70-130		1		03/11/22 14:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

QC Batch: 410085
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40241675001, 40241675002, 40241675003, 40241675004, 40241675005, 40241675006, 40241675007, 40241675008

METHOD BLANK: 2362976
Matrix: Water
Associated Lab Samples: 40241675001, 40241675002, 40241675003, 40241675004, 40241675005, 40241675006, 40241675007, 40241675008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	03/11/22 08:43	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	03/11/22 08:43	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	03/11/22 08:43	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	03/11/22 08:43	
1,1-Dichloroethane	ug/L	<0.30	1.0	03/11/22 08:43	
1,1-Dichloroethene	ug/L	<0.58	1.0	03/11/22 08:43	
1,1-Dichloropropene	ug/L	<0.41	1.0	03/11/22 08:43	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	03/11/22 08:43	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	03/11/22 08:43	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	03/11/22 08:43	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	03/11/22 08:43	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	03/11/22 08:43	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	03/11/22 08:43	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	03/11/22 08:43	
1,2-Dichloroethane	ug/L	<0.29	1.0	03/11/22 08:43	
1,2-Dichloropropane	ug/L	<0.45	1.0	03/11/22 08:43	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	03/11/22 08:43	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	03/11/22 08:43	
1,3-Dichloropropane	ug/L	<0.30	1.0	03/11/22 08:43	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	03/11/22 08:43	
2,2-Dichloropropane	ug/L	<4.2	5.0	03/11/22 08:43	
2-Chlorotoluene	ug/L	<0.89	5.0	03/11/22 08:43	
4-Chlorotoluene	ug/L	<0.89	5.0	03/11/22 08:43	
Benzene	ug/L	<0.30	1.0	03/11/22 08:43	
Bromobenzene	ug/L	<0.36	1.0	03/11/22 08:43	
Bromochloromethane	ug/L	<0.36	5.0	03/11/22 08:43	
Bromodichloromethane	ug/L	<0.42	1.0	03/11/22 08:43	
Bromoform	ug/L	<3.8	5.0	03/11/22 08:43	
Bromomethane	ug/L	<1.2	5.0	03/11/22 08:43	
Carbon tetrachloride	ug/L	<0.37	1.0	03/11/22 08:43	
Chlorobenzene	ug/L	<0.86	1.0	03/11/22 08:43	
Chloroethane	ug/L	<1.4	5.0	03/11/22 08:43	
Chloroform	ug/L	<1.2	5.0	03/11/22 08:43	
Chloromethane	ug/L	<1.6	5.0	03/11/22 08:43	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	03/11/22 08:43	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	03/11/22 08:43	
Dibromochloromethane	ug/L	<2.6	5.0	03/11/22 08:43	
Dibromomethane	ug/L	<0.99	5.0	03/11/22 08:43	
Dichlorodifluoromethane	ug/L	<0.46	5.0	03/11/22 08:43	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

METHOD BLANK: 2362976 Matrix: Water
Associated Lab Samples: 40241675001, 40241675002, 40241675003, 40241675004, 40241675005, 40241675006, 40241675007, 40241675008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	<1.1	5.0	03/11/22 08:43	
Ethylbenzene	ug/L	<0.33	1.0	03/11/22 08:43	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	03/11/22 08:43	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	03/11/22 08:43	
m&p-Xylene	ug/L	<0.70	2.0	03/11/22 08:43	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	03/11/22 08:43	
Methylene Chloride	ug/L	<0.32	5.0	03/11/22 08:43	
n-Butylbenzene	ug/L	<0.86	1.0	03/11/22 08:43	
n-Propylbenzene	ug/L	<0.35	1.0	03/11/22 08:43	
Naphthalene	ug/L	<1.1	5.0	03/11/22 08:43	
o-Xylene	ug/L	<0.35	1.0	03/11/22 08:43	
p-Isopropyltoluene	ug/L	<1.0	5.0	03/11/22 08:43	
sec-Butylbenzene	ug/L	<0.42	1.0	03/11/22 08:43	
Styrene	ug/L	<0.36	1.0	03/11/22 08:43	
tert-Butylbenzene	ug/L	<0.59	1.0	03/11/22 08:43	
Tetrachloroethene	ug/L	<0.41	1.0	03/11/22 08:43	
Toluene	ug/L	<0.29	1.0	03/11/22 08:43	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	03/11/22 08:43	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	03/11/22 08:43	
Trichloroethene	ug/L	<0.32	1.0	03/11/22 08:43	
Trichlorofluoromethane	ug/L	<0.42	1.0	03/11/22 08:43	
Vinyl chloride	ug/L	<0.17	1.0	03/11/22 08:43	
1,2-Dichlorobenzene-d4 (S)	%	113	70-130	03/11/22 08:43	
4-Bromofluorobenzene (S)	%	98	70-130	03/11/22 08:43	
Toluene-d8 (S)	%	97	70-130	03/11/22 08:43	

LABORATORY CONTROL SAMPLE: 2362977

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.2	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.6	101	66-130	
1,1,2-Trichloroethane	ug/L	50	49.4	99	70-130	
1,1-Dichloroethane	ug/L	50	61.5	123	68-132	
1,1-Dichloroethene	ug/L	50	52.9	106	85-126	
1,2,4-Trichlorobenzene	ug/L	50	50.2	100	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	41.5	83	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	46.2	92	70-130	
1,2-Dichlorobenzene	ug/L	50	55.0	110	70-130	
1,2-Dichloroethane	ug/L	50	49.5	99	70-130	
1,2-Dichloropropane	ug/L	50	53.3	107	78-125	
1,3-Dichlorobenzene	ug/L	50	54.4	109	70-130	
1,4-Dichlorobenzene	ug/L	50	55.4	111	70-130	
Benzene	ug/L	50	53.5	107	70-132	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

LABORATORY CONTROL SAMPLE: 2362977

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	50	53.6	107	70-130	
Bromoform	ug/L	50	57.1	114	65-130	
Bromomethane	ug/L	50	32.1	64	44-128	
Carbon tetrachloride	ug/L	50	51.1	102	70-130	
Chlorobenzene	ug/L	50	55.1	110	70-130	
Chloroethane	ug/L	50	55.0	110	73-137	
Chloroform	ug/L	50	48.9	98	80-122	
Chloromethane	ug/L	50	39.2	78	27-148	
cis-1,2-Dichloroethene	ug/L	50	44.5	89	70-130	
cis-1,3-Dichloropropene	ug/L	50	50.9	102	70-130	
Dibromochloromethane	ug/L	50	47.5	95	70-130	
Dichlorodifluoromethane	ug/L	50	18.7	37	22-151	
Ethylbenzene	ug/L	50	60.3	121	80-123	
Isopropylbenzene (Cumene)	ug/L	50	65.5	131	70-130	L1
m&p-Xylene	ug/L	100	126	126	70-130	
Methyl-tert-butyl ether	ug/L	50	49.3	99	66-130	
Methylene Chloride	ug/L	50	57.8	116	70-130	
o-Xylene	ug/L	50	59.2	118	70-130	
Styrene	ug/L	50	64.1	128	70-130	
Tetrachloroethene	ug/L	50	51.8	104	70-130	
Toluene	ug/L	50	54.1	108	80-121	
trans-1,2-Dichloroethene	ug/L	50	56.0	112	70-130	
trans-1,3-Dichloropropene	ug/L	50	46.1	92	58-125	
Trichloroethene	ug/L	50	51.0	102	70-130	
Trichlorofluoromethane	ug/L	50	57.9	116	84-148	
Vinyl chloride	ug/L	50	51.1	102	63-142	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			108	70-130	
Toluene-d8 (S)	%			99	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

QC Batch: 410224
QC Batch Method: EPA 3510
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E Water PAH
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40241675001, 40241675004

METHOD BLANK: 2364020 Matrix: Water
Associated Lab Samples: 40241675001, 40241675004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.018	0.050	03/15/22 08:35	
2-Methylnaphthalene	ug/L	<0.014	0.050	03/15/22 08:35	
Acenaphthene	ug/L	<0.014	0.050	03/15/22 08:35	
Acenaphthylene	ug/L	<0.013	0.050	03/15/22 08:35	
Anthracene	ug/L	<0.018	0.050	03/15/22 08:35	
Benzo(a)anthracene	ug/L	<0.014	0.050	03/15/22 08:35	
Benzo(a)pyrene	ug/L	<0.020	0.050	03/15/22 08:35	
Benzo(b)fluoranthene	ug/L	<0.020	0.050	03/15/22 08:35	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	03/15/22 08:35	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	03/15/22 08:35	
Chrysene	ug/L	<0.027	0.050	03/15/22 08:35	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	03/15/22 08:35	
Fluoranthene	ug/L	<0.026	0.050	03/15/22 08:35	
Fluorene	ug/L	<0.024	0.050	03/15/22 08:35	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	03/15/22 08:35	
Naphthalene	ug/L	<0.020	0.050	03/15/22 08:35	
Phenanthrene	ug/L	<0.026	0.050	03/15/22 08:35	
Pyrene	ug/L	<0.023	0.050	03/15/22 08:35	
2-Fluorobiphenyl (S)	%	70	10-113	03/15/22 08:35	
Terphenyl-d14 (S)	%	69	28-124	03/15/22 08:35	

LABORATORY CONTROL SAMPLE & LCSD: 2364021 2364022

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	2	1.3	1.3	66	64	59-120	4	20	
2-Methylnaphthalene	ug/L	2	1.3	1.2	65	62	58-120	5	20	
Acenaphthene	ug/L	2	1.6	1.5	80	73	71-120	8	20	
Acenaphthylene	ug/L	2	1.5	1.4	77	69	68-120	10	20	
Anthracene	ug/L	2	1.6	1.5	79	76	63-108	3	20	
Benzo(a)anthracene	ug/L	2	1.5	1.4	77	71	54-95	8	20	
Benzo(a)pyrene	ug/L	2	1.7	1.6	84	78	75-120	7	20	
Benzo(b)fluoranthene	ug/L	2	1.5	1.4	75	70	59-120	8	20	
Benzo(g,h,i)perylene	ug/L	2	1.7	1.6	86	82	78-120	5	20	
Benzo(k)fluoranthene	ug/L	2	1.7	1.7	87	86	78-120	1	20	
Chrysene	ug/L	2	1.9	1.8	93	89	82-128	4	20	
Dibenz(a,h)anthracene	ug/L	2	1.8	1.7	89	85	76-120	5	20	
Fluoranthene	ug/L	2	1.8	1.7	91	85	74-120	7	20	
Fluorene	ug/L	2	1.6	1.4	81	72	69-120	12	20	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.7	1.6	86	82	74-120	6	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

LABORATORY CONTROL SAMPLE & LCSD: 2364021 2364022

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Naphthalene	ug/L	2	1.5	1.4	74	71	60-120	4	20	
Phenanthrene	ug/L	2	1.5	1.4	76	72	65-120	6	20	
Pyrene	ug/L	2	1.5	1.4	76	70	70-120	9	20	
2-Fluorobiphenyl (S)	%				67	63	10-113			
Terphenyl-d14 (S)	%				70	65	28-124			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

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: 410283

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

ANALYTE QUALIFIERS

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

Pace Analytical Services, LLC
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Green Bay, WI 54302
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 470548 JOHNSON CONTROLS
Pace Project No.: 40241675

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40241675001	**S01 EFFLUENT**	EPA 3510	410224	EPA 8270E by SIM	410283
40241675004	**S03 EFFLUENT**	EPA 3510	410224	EPA 8270E by SIM	410283
40241675001	**S01 EFFLUENT**	EPA 8260	410085		
40241675002	**S01 BETWEEN C1**	EPA 8260	410085		
40241675003	**S01 INFLUENT**	EPA 8260	410085		
40241675004	**S03 EFFLUENT**	EPA 8260	410085		
40241675005	**S03 BETWEEN C2**	EPA 8260	410085		
40241675006	**S03 BETWEEN C1**	EPA 8260	410085		
40241675007	**S03 INFLUENT**	EPA 8260	410085		
40241675008	**TRIP BLANK**	EPA 8260	410085		

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

40241675

Pace Analytical®
www.pacelabs.com

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

(Please Print Clearly)	
Company Name:	TRC
Branch/Location:	Madison
Project Contact:	Andy Stahn
Phone:	(608) 807-8112
Project Number:	470548
Project Name:	Johnson Controls
Project State:	WI
Sampled By (Print):	John Roelke
Sampled By (Sign):	
PO #:	178257
Regulatory Program:	

Quote #:	
Mail To Contact:	Katherine Vater
Mail To Company:	TRC
Mail To Address:	708 Heartland Trail Suite 3000 Madison WI 53717
Invoice To Contact:	Katherine Vater
Invoice To Company:	TRC
Invoice To Address:	Same
Invoice To Phone:	

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, B = Biota, C = Charcoal, O = Oil, S = Soil, SL = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N	Pick Letter				
	SØ1 Effluent	3/8/22	12:06	GW	W	B	VOCs		001	
STR 3/8/22	SØ1 BetweenC1		12:15		W	A	PAHs		002	
Influent	SØ1 Effluent		12:18						003	
	SØ3 Effluent		1405					broke PAH bottle	004	
	SØ3 BetweenC2		1412						005	
	SØ3 BetweenC1		1419						006	
	CØ3 Influent		1425						007	
	Trip Blank	3/2/22							008	

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	Date/Time:	Received By	Date/Time:
	3/8/22 16:25		
Fedex	3/10/22 915		3/10/22 915

PACE Project No.: 40241675

Receipt Temp = 0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal: (Present) / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Sample Preservation Receipt Form

Client Name: TRC Project # 402411675

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					3												3																2.5 / 5 / 10
002																	3																2.5 / 5 / 10
003																	3																2.5 / 5 / 10
004					2												3																2.5 / 5 / 10
005																	3																2.5 / 5 / 10
006																	3																2.5 / 5 / 10
007																	3																2.5 / 5 / 10
008																	2																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

3/10/22 N10

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
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Page 1 of 2

Sample Condition Upon Receipt Form (SCUR)

Project #: **WO#: 40241675** 40241675

Client Name: TRC

Courier: ☐ CS Logistics ☒ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☐ Pace Other: ____

Tracking #: 7762 3401 5765

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 - 111 **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0° /Corr: 0°

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: 3/10/22 Initials: MP
Labeled By Initials: AL

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☒No ☐N/A	2. PGH 3/10/22 MP
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: For Analysis: ☒Yes ☐No MS/MSD: ☐Yes ☒No ☐N/A		8.
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10. (1) Received some vials frozen, 005 x1 100mL Amber glass sample partially frozen 3/10/22 MP
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC: MP 3/10/22	~~☐Yes~~ (☒No) ☐N/A	12. 003 ID" SQ1 Influent" 3/10/22 MP
-Includes date/time/(ID)/Analysis Matrix: W		
Trip Blank Present:	☒Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 477		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: (1) Date/Time: ____

Comments/ Resolution: 005 + 006 1/3 vials Frozen Still intact 3/10/22 MP

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

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eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Burlington
530 Community Drive
Suite 11
South Burlington, VT 05403
Tel: (802)660-1990

Laboratory Job ID: 200-62498-1
Laboratory Sample Delivery Group: 200-62498-1
Client Project/Site: JCI-S

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

Attn: Tom Perkins

Authorized for release by:
3/25/2022 5:15:21 PM

Kathryn Kelly, Project Manager II
(802)923-1021
Kathryn.Kelly@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: TRC Environmental Corporation.
Project/Site: JCI-S

Job ID: 200-62498-1
SDG: 200-62498-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Job ID: 200-62498-1

Laboratory: Eurofins Burlington

Narrative

CASE NARRATIVE

Client: TRC Environmental Corporation.

Project: JCI-S

Report Number: 200-62498-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 03/11/2022; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS
Sample SVE EXHAUST was analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 03/14/2022.

Sample SVE EXHAUST[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: JCI-S

Job ID: 200-62498-1
SDG: 200-62498-1

Client Sample ID: SVE EXHAUST

Lab Sample ID: 200-62498-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethanol	8.3	J	50	6.4	ppb v/v	10		TO-15	Total/NA
Methylene Chloride	2.0	J	5.0	1.7	ppb v/v	10		TO-15	Total/NA
Trichloroethene	230		2.0	0.24	ppb v/v	10		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethanol	16	J	94	12	ug/m3	10		TO-15	Total/NA
Methylene Chloride	6.9	J	17	5.9	ug/m3	10		TO-15	Total/NA
Trichloroethene	1200		11	1.3	ug/m3	10		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: JCI-S

Job ID: 200-62498-1
SDG: 200-62498-1

Client Sample ID: SVE EXHAUST

Lab Sample ID: 200-62498-1

Date Collected: 03/08/22 13:43
Matrix: Air
Date Received: 03/11/22 10:40
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 12	5.0	U	5.0	1.1	ppb v/v			03/14/22 12:06	10
Chloromethane	5.0	U	5.0	1.2	ppb v/v			03/14/22 12:06	10
Vinyl chloride	2.0	U	2.0	0.28	ppb v/v			03/14/22 12:06	10
1,3-Butadiene	2.0	U	2.0	0.38	ppb v/v			03/14/22 12:06	10
Bromomethane	2.0	U	2.0	0.52	ppb v/v			03/14/22 12:06	10
Chloroethane	5.0	U	5.0	2.5	ppb v/v			03/14/22 12:06	10
Freon 11	2.0	U	2.0	0.52	ppb v/v			03/14/22 12:06	10
Ethanol	**8.3**	**J**	50	6.4	ppb v/v			03/14/22 12:06	10
Freon 113	2.0	U	2.0	0.55	ppb v/v			03/14/22 12:06	10
1,1-Dichloroethene	2.0	U	2.0	0.29	ppb v/v			03/14/22 12:06	10
Acetone	50	U	50	20	ppb v/v			03/14/22 12:06	10
2-Propanol	50	U	50	9.8	ppb v/v			03/14/22 12:06	10
Carbon disulfide	5.0	U	5.0	1.3	ppb v/v			03/14/22 12:06	10
3-Chloropropene	5.0	U	5.0	1.1	ppb v/v			03/14/22 12:06	10
Methylene Chloride	**2.0**	**J**	5.0	1.7	ppb v/v			03/14/22 12:06	10
Methyl tert-butyl ether	2.0	U	2.0	0.80	ppb v/v			03/14/22 12:06	10
trans-1,2-Dichloroethene	2.0	U	2.0	0.88	ppb v/v			03/14/22 12:06	10
Hexane	5.0	U	5.0	2.3	ppb v/v			03/14/22 12:06	10
1,1-Dichloroethane	2.0	U	2.0	0.29	ppb v/v			03/14/22 12:06	10
2-Butanone (MEK)	5.0	U	5.0	1.7	ppb v/v			03/14/22 12:06	10
cis-1,2-Dichloroethene	2.0	U	2.0	0.33	ppb v/v			03/14/22 12:06	10
Chloroform	2.0	U	2.0	0.46	ppb v/v			03/14/22 12:06	10
Tetrahydrofuran	50	U	50	12	ppb v/v			03/14/22 12:06	10
1,1,1-Trichloroethane	2.0	U	2.0	0.39	ppb v/v			03/14/22 12:06	10
Cyclohexane	2.0	U	2.0	0.35	ppb v/v			03/14/22 12:06	10
Carbon tetrachloride	2.0	U	2.0	0.32	ppb v/v			03/14/22 12:06	10
2,2,4-Trimethylpentane	2.0	U	2.0	0.35	ppb v/v			03/14/22 12:06	10
Benzene	2.0	U	2.0	0.74	ppb v/v			03/14/22 12:06	10
1,2-Dichloroethane	2.0	U	2.0	1.5	ppb v/v			03/14/22 12:06	10
Heptane	2.0	U	2.0	0.59	ppb v/v			03/14/22 12:06	10
Trichloroethene	**230**		2.0	0.24	ppb v/v			03/14/22 12:06	10
1,2-Dichloropropane	2.0	U	2.0	0.87	ppb v/v			03/14/22 12:06	10
1,4-Dioxane	50	U	50	17	ppb v/v			03/14/22 12:06	10
Bromodichloromethane	2.0	U	2.0	0.40	ppb v/v			03/14/22 12:06	10
cis-1,3-Dichloropropene	2.0	U	2.0	0.20	ppb v/v			03/14/22 12:06	10
4-Methyl-2-pentanone	5.0	U	5.0	1.9	ppb v/v			03/14/22 12:06	10
Toluene	2.0	U	2.0	0.93	ppb v/v			03/14/22 12:06	10
trans-1,3-Dichloropropene	2.0	U	2.0	0.89	ppb v/v			03/14/22 12:06	10
1,1,2-Trichloroethane	2.0	U	2.0	0.34	ppb v/v			03/14/22 12:06	10
Tetrachloroethene	2.0	U	2.0	0.27	ppb v/v			03/14/22 12:06	10
2-Hexanone	5.0	U	5.0	2.0	ppb v/v			03/14/22 12:06	10
Dibromochloromethane	2.0	U	2.0	0.31	ppb v/v			03/14/22 12:06	10
1,2-Dibromoethane (EDB)	2.0	U	2.0	0.46	ppb v/v			03/14/22 12:06	10
Chlorobenzene	2.0	U	2.0	0.43	ppb v/v			03/14/22 12:06	10
Ethylbenzene	2.0	U	2.0	1.0	ppb v/v			03/14/22 12:06	10
m,p-Xylene	5.0	U	5.0	1.7	ppb v/v			03/14/22 12:06	10
o-Xylene	2.0	U	2.0	0.94	ppb v/v			03/14/22 12:06	10
Styrene	2.0	U	2.0	0.32	ppb v/v			03/14/22 12:06	10

Client Sample ID: SVE EXHAUST

Lab Sample ID: 200-62498-1

Date Collected: 03/08/22 13:43
Matrix: Air
Date Received: 03/11/22 10:40
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	2.0	U	2.0	0.58	ppb v/v			03/14/22 12:06	10
Cumene	2.0	U	2.0	0.37	ppb v/v			03/14/22 12:06	10
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.43	ppb v/v			03/14/22 12:06	10
Propylbenzene	2.0	U	2.0	0.47	ppb v/v			03/14/22 12:06	10
4-Ethyltoluene	2.0	U	2.0	0.51	ppb v/v			03/14/22 12:06	10
1,3,5-Trimethylbenzene	2.0	U	2.0	0.44	ppb v/v			03/14/22 12:06	10
1,2,4-Trimethylbenzene	2.0	U	2.0	0.47	ppb v/v			03/14/22 12:06	10
1,3-Dichlorobenzene	2.0	U	2.0	0.89	ppb v/v			03/14/22 12:06	10
1,4-Dichlorobenzene	2.0	U	2.0	0.95	ppb v/v			03/14/22 12:06	10
alpha-Chlorotoluene	2.0	U	2.0	0.74	ppb v/v			03/14/22 12:06	10
1,2-Dichlorobenzene	2.0	U	2.0	0.70	ppb v/v			03/14/22 12:06	10
1,2,4-Trichlorobenzene	5.0	U	5.0	1.9	ppb v/v			03/14/22 12:06	10
Hexachlorobutadiene	2.0	U	2.0	0.31	ppb v/v			03/14/22 12:06	10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 12	25	U	25	5.4	ug/m3			03/14/22 12:06	10
Chloromethane	10	U	10	2.5	ug/m3			03/14/22 12:06	10
Vinyl chloride	5.1	U	5.1	0.72	ug/m3			03/14/22 12:06	10
1,3-Butadiene	4.4	U	4.4	0.84	ug/m3			03/14/22 12:06	10
Bromomethane	7.8	U	7.8	2.0	ug/m3			03/14/22 12:06	10
Chloroethane	13	U	13	6.6	ug/m3			03/14/22 12:06	10
Freon 11	11	U	11	2.9	ug/m3			03/14/22 12:06	10
Ethanol	**16**	**J**	94	12	ug/m3			03/14/22 12:06	10
Freon 113	15	U	15	4.2	ug/m3			03/14/22 12:06	10
1,1-Dichloroethene	7.9	U	7.9	1.1	ug/m3			03/14/22 12:06	10
Acetone	120	U	120	48	ug/m3			03/14/22 12:06	10
2-Propanol	120	U	120	24	ug/m3			03/14/22 12:06	10
Carbon disulfide	16	U	16	4.0	ug/m3			03/14/22 12:06	10
3-Chloropropene	16	U	16	3.4	ug/m3			03/14/22 12:06	10
Methylene Chloride	**6.9**	**J**	17	5.9	ug/m3			03/14/22 12:06	10
Methyl tert-butyl ether	7.2	U	7.2	2.9	ug/m3			03/14/22 12:06	10
trans-1,2-Dichloroethene	7.9	U	7.9	3.5	ug/m3			03/14/22 12:06	10
Hexane	18	U	18	8.1	ug/m3			03/14/22 12:06	10
1,1-Dichloroethane	8.1	U	8.1	1.2	ug/m3			03/14/22 12:06	10
2-Butanone (MEK)	15	U	15	5.0	ug/m3			03/14/22 12:06	10
cis-1,2-Dichloroethene	7.9	U	7.9	1.3	ug/m3			03/14/22 12:06	10
Chloroform	9.8	U	9.8	2.2	ug/m3			03/14/22 12:06	10
Tetrahydrofuran	150	U	150	35	ug/m3			03/14/22 12:06	10
1,1,1-Trichloroethane	11	U	11	2.1	ug/m3			03/14/22 12:06	10
Cyclohexane	6.9	U	6.9	1.2	ug/m3			03/14/22 12:06	10
Carbon tetrachloride	13	U	13	2.0	ug/m3			03/14/22 12:06	10
2,2,4-Trimethylpentane	9.3	U	9.3	1.6	ug/m3			03/14/22 12:06	10
Benzene	6.4	U	6.4	2.4	ug/m3			03/14/22 12:06	10
1,2-Dichloroethane	8.1	U	8.1	6.1	ug/m3			03/14/22 12:06	10
Heptane	8.2	U	8.2	2.4	ug/m3			03/14/22 12:06	10
Trichloroethene	**1200**		11	1.3	ug/m3			03/14/22 12:06	10
1,2-Dichloropropane	9.2	U	9.2	4.0	ug/m3			03/14/22 12:06	10
1,4-Dioxane	180	U	180	61	ug/m3			03/14/22 12:06	10
Bromodichloromethane	13	U	13	2.7	ug/m3			03/14/22 12:06	10

Client: TRC Environmental Corporation.
Project/Site: JCI-S

Job ID: 200-62498-1
SDG: 200-62498-1

Client Sample ID: SVE EXHAUST
Date Collected: 03/08/22 13:43
Date Received: 03/11/22 10:40
Sample Container: Summa Canister 1L

Lab Sample ID: 200-62498-1
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	9.1	U	9.1	0.91	ug/m3			03/14/22 12:06	10
4-Methyl-2-pentanone	20	U	20	7.8	ug/m3			03/14/22 12:06	10
Toluene	7.5	U	7.5	3.5	ug/m3			03/14/22 12:06	10
trans-1,3-Dichloropropene	9.1	U	9.1	4.0	ug/m3			03/14/22 12:06	10
1,1,2-Trichloroethane	11	U	11	1.9	ug/m3			03/14/22 12:06	10
Tetrachloroethene	14	U	14	1.8	ug/m3			03/14/22 12:06	10
2-Hexanone	20	U	20	8.2	ug/m3			03/14/22 12:06	10
Dibromochloromethane	17	U	17	2.6	ug/m3			03/14/22 12:06	10
1,2-Dibromoethane (EDB)	15	U	15	3.5	ug/m3			03/14/22 12:06	10
Chlorobenzene	9.2	U	9.2	2.0	ug/m3			03/14/22 12:06	10
Ethylbenzene	8.7	U	8.7	4.3	ug/m3			03/14/22 12:06	10
m,p-Xylene	22	U	22	7.4	ug/m3			03/14/22 12:06	10
o-Xylene	8.7	U	8.7	4.1	ug/m3			03/14/22 12:06	10
Styrene	8.5	U	8.5	1.4	ug/m3			03/14/22 12:06	10
Bromoform	21	U	21	6.0	ug/m3			03/14/22 12:06	10
Cumene	9.8	U	9.8	1.8	ug/m3			03/14/22 12:06	10
1,1,2,2-Tetrachloroethane	14	U	14	3.0	ug/m3			03/14/22 12:06	10
Propylbenzene	9.8	U	9.8	2.3	ug/m3			03/14/22 12:06	10
4-Ethyltoluene	9.8	U	9.8	2.5	ug/m3			03/14/22 12:06	10
1,3,5-Trimethylbenzene	9.8	U	9.8	2.2	ug/m3			03/14/22 12:06	10
1,2,4-Trimethylbenzene	9.8	U	9.8	2.3	ug/m3			03/14/22 12:06	10
1,3-Dichlorobenzene	12	U	12	5.4	ug/m3			03/14/22 12:06	10
1,4-Dichlorobenzene	12	U	12	5.7	ug/m3			03/14/22 12:06	10
alpha-Chlorotoluene	10	U	10	3.8	ug/m3			03/14/22 12:06	10
1,2-Dichlorobenzene	12	U	12	4.2	ug/m3			03/14/22 12:06	10
1,2,4-Trichlorobenzene	37	U	37	14	ug/m3			03/14/22 12:06	10
Hexachlorobutadiene	21	U	21	3.3	ug/m3			03/14/22 12:06	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ppb v/v*					*03/14/22 12:06*	*10*

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-177615/4
Matrix: Air
Analysis Batch: 177615

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 12	0.50	U	0.50	0.11	ppb v/v			03/14/22 09:24	1
Chloromethane	0.50	U	0.50	0.12	ppb v/v			03/14/22 09:24	1
Vinyl chloride	0.20	U	0.20	0.028	ppb v/v			03/14/22 09:24	1
1,3-Butadiene	0.20	U	0.20	0.038	ppb v/v			03/14/22 09:24	1
Bromomethane	0.20	U	0.20	0.052	ppb v/v			03/14/22 09:24	1
Chloroethane	0.50	U	0.50	0.25	ppb v/v			03/14/22 09:24	1
Freon 11	0.20	U	0.20	0.052	ppb v/v			03/14/22 09:24	1
Ethanol	5.0	U	5.0	0.64	ppb v/v			03/14/22 09:24	1
Freon 113	0.20	U	0.20	0.055	ppb v/v			03/14/22 09:24	1
1,1-Dichloroethene	0.20	U	0.20	0.029	ppb v/v			03/14/22 09:24	1
Acetone	5.0	U	5.0	2.0	ppb v/v			03/14/22 09:24	1
2-Propanol	5.0	U	5.0	0.98	ppb v/v			03/14/22 09:24	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			03/14/22 09:24	1
3-Chloropropene	0.50	U	0.50	0.11	ppb v/v			03/14/22 09:24	1
Methylene Chloride	0.50	U	0.50	0.17	ppb v/v			03/14/22 09:24	1
Methyl tert-butyl ether	0.20	U	0.20	0.080	ppb v/v			03/14/22 09:24	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.088	ppb v/v			03/14/22 09:24	1
Hexane	0.50	U	0.50	0.23	ppb v/v			03/14/22 09:24	1
1,1-Dichloroethane	0.20	U	0.20	0.029	ppb v/v			03/14/22 09:24	1
2-Butanone (MEK)	0.50	U	0.50	0.17	ppb v/v			03/14/22 09:24	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.033	ppb v/v			03/14/22 09:24	1
Chloroform	0.20	U	0.20	0.046	ppb v/v			03/14/22 09:24	1
Tetrahydrofuran	5.0	U	5.0	1.2	ppb v/v			03/14/22 09:24	1
1,1,1-Trichloroethane	0.20	U	0.20	0.039	ppb v/v			03/14/22 09:24	1
Cyclohexane	0.20	U	0.20	0.035	ppb v/v			03/14/22 09:24	1
Carbon tetrachloride	0.20	U	0.20	0.032	ppb v/v			03/14/22 09:24	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.035	ppb v/v			03/14/22 09:24	1
Benzene	0.20	U	0.20	0.074	ppb v/v			03/14/22 09:24	1
1,2-Dichloroethane	0.20	U	0.20	0.15	ppb v/v			03/14/22 09:24	1
Heptane	0.20	U	0.20	0.059	ppb v/v			03/14/22 09:24	1
Trichloroethene	0.20	U	0.20	0.024	ppb v/v			03/14/22 09:24	1
1,2-Dichloropropane	0.20	U	0.20	0.087	ppb v/v			03/14/22 09:24	1
1,4-Dioxane	5.0	U	5.0	1.7	ppb v/v			03/14/22 09:24	1
Bromodichloromethane	0.20	U	0.20	0.040	ppb v/v			03/14/22 09:24	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.020	ppb v/v			03/14/22 09:24	1
4-Methyl-2-pentanone	0.50	U	0.50	0.19	ppb v/v			03/14/22 09:24	1
Toluene	0.20	U	0.20	0.093	ppb v/v			03/14/22 09:24	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.089	ppb v/v			03/14/22 09:24	1
1,1,2-Trichloroethane	0.20	U	0.20	0.034	ppb v/v			03/14/22 09:24	1
Tetrachloroethene	0.20	U	0.20	0.027	ppb v/v			03/14/22 09:24	1
2-Hexanone	0.50	U	0.50	0.20	ppb v/v			03/14/22 09:24	1
Dibromochloromethane	0.20	U	0.20	0.031	ppb v/v			03/14/22 09:24	1
1,2-Dibromoethane (EDB)	0.20	U	0.20	0.046	ppb v/v			03/14/22 09:24	1
Chlorobenzene	0.20	U	0.20	0.043	ppb v/v			03/14/22 09:24	1
Ethylbenzene	0.20	U	0.20	0.10	ppb v/v			03/14/22 09:24	1
m,p-Xylene	0.50	U	0.50	0.17	ppb v/v			03/14/22 09:24	1
o-Xylene	0.20	U	0.20	0.094	ppb v/v			03/14/22 09:24	1
Styrene	0.20	U	0.20	0.032	ppb v/v			03/14/22 09:24	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-177615/4
Matrix: Air
Analysis Batch: 177615

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.20	U	0.20	0.058	ppb v/v			03/14/22 09:24	1
Cumene	0.20	U	0.20	0.037	ppb v/v			03/14/22 09:24	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			03/14/22 09:24	1
Propylbenzene	0.20	U	0.20	0.047	ppb v/v			03/14/22 09:24	1
4-Ethyltoluene	0.20	U	0.20	0.051	ppb v/v			03/14/22 09:24	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.044	ppb v/v			03/14/22 09:24	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			03/14/22 09:24	1
1,3-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			03/14/22 09:24	1
1,4-Dichlorobenzene	0.20	U	0.20	0.095	ppb v/v			03/14/22 09:24	1
alpha-Chlorotoluene	0.20	U	0.20	0.074	ppb v/v			03/14/22 09:24	1
1,2-Dichlorobenzene	0.20	U	0.20	0.070	ppb v/v			03/14/22 09:24	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.19	ppb v/v			03/14/22 09:24	1
Hexachlorobutadiene	0.20	U	0.20	0.031	ppb v/v			03/14/22 09:24	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 12	2.5	U	2.5	0.54	ug/m3			03/14/22 09:24	1
Chloromethane	1.0	U	1.0	0.25	ug/m3			03/14/22 09:24	1
Vinyl chloride	0.51	U	0.51	0.072	ug/m3			03/14/22 09:24	1
1,3-Butadiene	0.44	U	0.44	0.084	ug/m3			03/14/22 09:24	1
Bromomethane	0.78	U	0.78	0.20	ug/m3			03/14/22 09:24	1
Chloroethane	1.3	U	1.3	0.66	ug/m3			03/14/22 09:24	1
Freon 11	1.1	U	1.1	0.29	ug/m3			03/14/22 09:24	1
Ethanol	9.4	U	9.4	1.2	ug/m3			03/14/22 09:24	1
Freon 113	1.5	U	1.5	0.42	ug/m3			03/14/22 09:24	1
1,1-Dichloroethene	0.79	U	0.79	0.11	ug/m3			03/14/22 09:24	1
Acetone	12	U	12	4.8	ug/m3			03/14/22 09:24	1
2-Propanol	12	U	12	2.4	ug/m3			03/14/22 09:24	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			03/14/22 09:24	1
3-Chloropropene	1.6	U	1.6	0.34	ug/m3			03/14/22 09:24	1
Methylene Chloride	1.7	U	1.7	0.59	ug/m3			03/14/22 09:24	1
Methyl tert-butyl ether	0.72	U	0.72	0.29	ug/m3			03/14/22 09:24	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.35	ug/m3			03/14/22 09:24	1
Hexane	1.8	U	1.8	0.81	ug/m3			03/14/22 09:24	1
1,1-Dichloroethane	0.81	U	0.81	0.12	ug/m3			03/14/22 09:24	1
2-Butanone (MEK)	1.5	U	1.5	0.50	ug/m3			03/14/22 09:24	1
cis-1,2-Dichloroethene	0.79	U	0.79	0.13	ug/m3			03/14/22 09:24	1
Chloroform	0.98	U	0.98	0.22	ug/m3			03/14/22 09:24	1
Tetrahydrofuran	15	U	15	3.5	ug/m3			03/14/22 09:24	1
1,1,1-Trichloroethane	1.1	U	1.1	0.21	ug/m3			03/14/22 09:24	1
Cyclohexane	0.69	U	0.69	0.12	ug/m3			03/14/22 09:24	1
Carbon tetrachloride	1.3	U	1.3	0.20	ug/m3			03/14/22 09:24	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.16	ug/m3			03/14/22 09:24	1
Benzene	0.64	U	0.64	0.24	ug/m3			03/14/22 09:24	1
1,2-Dichloroethane	0.81	U	0.81	0.61	ug/m3			03/14/22 09:24	1
Heptane	0.82	U	0.82	0.24	ug/m3			03/14/22 09:24	1
Trichloroethene	1.1	U	1.1	0.13	ug/m3			03/14/22 09:24	1
1,2-Dichloropropane	0.92	U	0.92	0.40	ug/m3			03/14/22 09:24	1
1,4-Dioxane	18	U	18	6.1	ug/m3			03/14/22 09:24	1
Bromodichloromethane	1.3	U	1.3	0.27	ug/m3			03/14/22 09:24	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-177615/4
Matrix: Air
Analysis Batch: 177615

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.91	U	0.91	0.091	ug/m3			03/14/22 09:24	1
4-Methyl-2-pentanone	2.0	U	2.0	0.78	ug/m3			03/14/22 09:24	1
Toluene	0.75	U	0.75	0.35	ug/m3			03/14/22 09:24	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.40	ug/m3			03/14/22 09:24	1
1,1,2-Trichloroethane	1.1	U	1.1	0.19	ug/m3			03/14/22 09:24	1
Tetrachloroethene	1.4	U	1.4	0.18	ug/m3			03/14/22 09:24	1
2-Hexanone	2.0	U	2.0	0.82	ug/m3			03/14/22 09:24	1
Dibromochloromethane	1.7	U	1.7	0.26	ug/m3			03/14/22 09:24	1
1,2-Dibromoethane (EDB)	1.5	U	1.5	0.35	ug/m3			03/14/22 09:24	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			03/14/22 09:24	1
Ethylbenzene	0.87	U	0.87	0.43	ug/m3			03/14/22 09:24	1
m,p-Xylene	2.2	U	2.2	0.74	ug/m3			03/14/22 09:24	1
o-Xylene	0.87	U	0.87	0.41	ug/m3			03/14/22 09:24	1
Styrene	0.85	U	0.85	0.14	ug/m3			03/14/22 09:24	1
Bromoform	2.1	U	2.1	0.60	ug/m3			03/14/22 09:24	1
Cumene	0.98	U	0.98	0.18	ug/m3			03/14/22 09:24	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			03/14/22 09:24	1
Propylbenzene	0.98	U	0.98	0.23	ug/m3			03/14/22 09:24	1
4-Ethyltoluene	0.98	U	0.98	0.25	ug/m3			03/14/22 09:24	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.22	ug/m3			03/14/22 09:24	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			03/14/22 09:24	1
1,3-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			03/14/22 09:24	1
1,4-Dichlorobenzene	1.2	U	1.2	0.57	ug/m3			03/14/22 09:24	1
alpha-Chlorotoluene	1.0	U	1.0	0.38	ug/m3			03/14/22 09:24	1
1,2-Dichlorobenzene	1.2	U	1.2	0.42	ug/m3			03/14/22 09:24	1
1,2,4-Trichlorobenzene	3.7	U	3.7	1.4	ug/m3			03/14/22 09:24	1
Hexachlorobutadiene	2.1	U	2.1	0.33	ug/m3			03/14/22 09:24	1

Tentatively Identified Compound	*Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ppb v/v*					*03/14/22 09:24*	*1*

Lab Sample ID: LCS 200-177615/3
Matrix: Air
Analysis Batch: 177615

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Freon 12	10.0	9.65		ppb v/v		97	61 - 142
Chloromethane	10.0	8.73		ppb v/v		87	56 - 141
Vinyl chloride	10.0	8.47		ppb v/v		85	61 - 135
1,3-Butadiene	10.0	8.48		ppb v/v		85	58 - 139
Bromomethane	10.0	8.94		ppb v/v		89	72 - 124
Chloroethane	10.0	9.07		ppb v/v		91	68 - 130
Freon 11	10.0	9.21		ppb v/v		92	70 - 129
Ethanol	14.7	13.5		ppb v/v		92	50 - 150
Freon 113	10.0	9.03		ppb v/v		90	70 - 121
1,1-Dichloroethene	10.0	8.68		ppb v/v		87	68 - 120
Acetone	10.0	9.90		ppb v/v		99	54 - 154
2-Propanol	10.0	9.60		ppb v/v		96	53 - 142

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-177615/3
Matrix: Air
Analysis Batch: 177615

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	10.0	9.05		ppb v/v		90	71 - 138
3-Chloropropene	10.0	7.85		ppb v/v		78	50 - 150
Methylene Chloride	10.0	8.75		ppb v/v		88	59 - 137
Methyl tert-butyl ether	10.0	8.97		ppb v/v		90	70 - 127
trans-1,2-Dichloroethene	10.0	8.41		ppb v/v		84	69 - 137
Hexane	10.0	8.48		ppb v/v		85	63 - 138
1,1-Dichloroethane	10.0	8.30		ppb v/v		83	66 - 130
2-Butanone (MEK)	10.0	9.47		ppb v/v		95	72 - 124
cis-1,2-Dichloroethene	10.0	8.76		ppb v/v		88	72 - 121
Chloroform	10.0	9.18		ppb v/v		92	73 - 124
Tetrahydrofuran	10.0	9.12		ppb v/v		91	60 - 149
1,1,1-Trichloroethane	10.0	9.34		ppb v/v		93	72 - 127
Cyclohexane	10.0	9.03		ppb v/v		90	76 - 124
Carbon tetrachloride	10.0	9.32		ppb v/v		93	71 - 133
2,2,4-Trimethylpentane	10.0	8.91		ppb v/v		89	68 - 131
Benzene	10.0	8.94		ppb v/v		89	73 - 119
1,2-Dichloroethane	10.0	9.19		ppb v/v		92	68 - 135
Heptane	10.0	8.97		ppb v/v		90	60 - 142
Trichloroethene	10.0	8.78		ppb v/v		88	73 - 122
1,2-Dichloropropane	10.0	8.89		ppb v/v		89	69 - 128
1,4-Dioxane	10.0	10.1		ppb v/v		101	66 - 129
Bromodichloromethane	10.0	9.40		ppb v/v		94	75 - 127
cis-1,3-Dichloropropene	10.0	9.36		ppb v/v		94	74 - 125
4-Methyl-2-pentanone	10.0	9.65		ppb v/v		97	58 - 144
Toluene	10.0	9.04		ppb v/v		90	75 - 122
trans-1,3-Dichloropropene	10.0	9.41		ppb v/v		94	74 - 128
1,1,2-Trichloroethane	10.0	8.96		ppb v/v		90	75 - 126
Tetrachloroethene	10.0	8.81		ppb v/v		88	70 - 125
2-Hexanone	10.0	9.52		ppb v/v		95	57 - 143
Dibromochloromethane	10.0	9.39		ppb v/v		94	73 - 125
1,2-Dibromoethane (EDB)	10.0	9.32		ppb v/v		93	78 - 122
Chlorobenzene	10.0	8.99		ppb v/v		90	76 - 119
Ethylbenzene	10.0	9.06		ppb v/v		91	74 - 122
m,p-Xylene	20.0	18.2		ppb v/v		91	76 - 121
o-Xylene	10.0	9.10		ppb v/v		91	73 - 123
Styrene	10.0	9.39		ppb v/v		94	74 - 125
Bromoform	10.0	9.39		ppb v/v		94	53 - 149
Cumene	10.0	9.22		ppb v/v		92	73 - 123
1,1,2,2-Tetrachloroethane	10.0	8.93		ppb v/v		89	74 - 126
Propylbenzene	10.0	9.12		ppb v/v		91	73 - 127
4-Ethyltoluene	10.0	9.24		ppb v/v		92	75 - 129
1,3,5-Trimethylbenzene	10.0	9.24		ppb v/v		92	72 - 126
1,2,4-Trimethylbenzene	10.0	9.22		ppb v/v		92	71 - 129
1,3-Dichlorobenzene	10.0	9.16		ppb v/v		92	69 - 131
1,4-Dichlorobenzene	10.0	9.08		ppb v/v		91	67 - 132
alpha-Chlorotoluene	10.0	9.05		ppb v/v		90	60 - 136
1,2-Dichlorobenzene	10.0	9.12		ppb v/v		91	68 - 129
1,2,4-Trichlorobenzene	10.0	8.82		ppb v/v		88	50 - 150
Hexachlorobutadiene	10.0	9.20		ppb v/v		92	58 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Freon 12	49	47.7		ug/m3		97	61 - 142
Chloromethane	21	18.0		ug/m3		87	56 - 141
Vinyl chloride	26	21.7		ug/m3		85	61 - 135
1,3-Butadiene	22	18.8		ug/m3		85	58 - 139
Bromomethane	39	34.7		ug/m3		89	72 - 124
Chloroethane	26	23.9		ug/m3		91	68 - 130
Freon 11	56	51.8		ug/m3		92	70 - 129
Ethanol	28	25.4		ug/m3		92	50 - 150
Freon 113	77	69.2		ug/m3		90	70 - 121
1,1-Dichloroethene	40	34.4		ug/m3		87	68 - 120
Acetone	24	23.5		ug/m3		99	54 - 154
2-Propanol	25	23.6		ug/m3		96	53 - 142
Carbon disulfide	31	28.2		ug/m3		90	71 - 138
3-Chloropropene	31	24.6		ug/m3		78	50 - 150
Methylene Chloride	35	30.4		ug/m3		88	59 - 137
Methyl tert-butyl ether	36	32.3		ug/m3		90	70 - 127
trans-1,2-Dichloroethene	40	33.3		ug/m3		84	69 - 137
Hexane	35	29.9		ug/m3		85	63 - 138
1,1-Dichloroethane	40	33.6		ug/m3		83	66 - 130
2-Butanone (MEK)	29	27.9		ug/m3		95	72 - 124
cis-1,2-Dichloroethene	40	34.7		ug/m3		88	72 - 121
Chloroform	49	44.8		ug/m3		92	73 - 124
Tetrahydrofuran	29	26.9		ug/m3		91	60 - 149
1,1,1-Trichloroethane	55	50.9		ug/m3		93	72 - 127
Cyclohexane	34	31.1		ug/m3		90	76 - 124
Carbon tetrachloride	63	58.7		ug/m3		93	71 - 133
2,2,4-Trimethylpentane	47	41.6		ug/m3		89	68 - 131
Benzene	32	28.6		ug/m3		89	73 - 119
1,2-Dichloroethane	40	37.2		ug/m3		92	68 - 135
Heptane	41	36.8		ug/m3		90	60 - 142
Trichloroethene	54	47.2		ug/m3		88	73 - 122
1,2-Dichloropropane	46	41.1		ug/m3		89	69 - 128
1,4-Dioxane	36	36.5		ug/m3		101	66 - 129
Bromodichloromethane	67	63.0		ug/m3		94	75 - 127
cis-1,3-Dichloropropene	45	42.5		ug/m3		94	74 - 125
4-Methyl-2-pentanone	41	39.5		ug/m3		97	58 - 144
Toluene	38	34.1		ug/m3		90	75 - 122
trans-1,3-Dichloropropene	45	42.7		ug/m3		94	74 - 128
1,1,2-Trichloroethane	55	48.9		ug/m3		90	75 - 126
Tetrachloroethene	68	59.8		ug/m3		88	70 - 125
2-Hexanone	41	39.0		ug/m3		95	57 - 143
Dibromochloromethane	85	80.0		ug/m3		94	73 - 125
1,2-Dibromoethane (EDB)	77	71.6		ug/m3		93	78 - 122
Chlorobenzene	46	41.4		ug/m3		90	76 - 119
Ethylbenzene	43	39.3		ug/m3		91	74 - 122
m,p-Xylene	87	79.1		ug/m3		91	76 - 121
o-Xylene	43	39.5		ug/m3		91	73 - 123
Styrene	43	40.0		ug/m3		94	74 - 125
Bromoform	100	97.1		ug/m3		94	53 - 149
Cumene	49	45.3		ug/m3		92	73 - 123
1,1,2,2-Tetrachloroethane	69	61.3		ug/m3		89	74 - 126
Propylbenzene	49	44.8		ug/m3		91	73 - 127

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-177615/3
Matrix: Air
Analysis Batch: 177615

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Ethyltoluene	49	45.4		ug/m3		92	75 - 129
1,3,5-Trimethylbenzene	49	45.4		ug/m3		92	72 - 126
1,2,4-Trimethylbenzene	49	45.3		ug/m3		92	71 - 129
1,3-Dichlorobenzene	60	55.1		ug/m3		92	69 - 131
1,4-Dichlorobenzene	60	54.6		ug/m3		91	67 - 132
alpha-Chlorotoluene	52	46.8		ug/m3		90	60 - 136
1,2-Dichlorobenzene	60	54.8		ug/m3		91	68 - 129
1,2,4-Trichlorobenzene	74	65.5		ug/m3		88	50 - 150
Hexachlorobutadiene	110	98.2		ug/m3		92	58 - 130

QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: JCI-S

Job ID: 200-62498-1
SDG: 200-62498-1

Air - GC/MS VOA

Analysis Batch: 177615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-62498-1	SVE EXHAUST	Total/NA	Air	TO-15	
MB 200-177615/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-177615/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: JCI-S

Job ID: 200-62498-1
SDG: 200-62498-1

Client Sample ID: SVE EXHAUST

Date Collected: 03/08/22 13:43
Date Received: 03/11/22 10:40

Lab Sample ID: 200-62498-1

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		10	177615	03/14/22 12:06	K1P	TAL BUR

Laboratory References:

TAL BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: TRC Environmental Corporation.
Project/Site: JCI-S

Job ID: 200-62498-1
SDG: 200-62498-1

Laboratory: Eurofins Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-23
Connecticut	State	PH-0751	09-30-21 *
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-17-22
Florida	NELAP	E87467	06-30-22
Minnesota	NELAP	050-999-436	12-31-22
New Hampshire	NELAP	2006	12-18-22
New Jersey	NELAP	VT972	06-30-22
New York	NELAP	10391	04-01-22
Pennsylvania	NELAP	68-00489	04-30-22
Rhode Island	State	LAO00298	12-30-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-17-00272	10-30-23
Vermont	State	VT4000	02-10-23
Virginia	NELAP	460209	12-14-22
Wisconsin	State	399133350	08-31-22

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

Method Summary

Client: TRC Environmental Corporation.
Project/Site: JCI-S

Job ID: 200-62498-1
SDG: 200-62498-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: TRC Environmental Corporation.
Project/Site: JCI-S

Job ID: 200-62498-1
SDG: 200-62498-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-62498-1	SVE EXHAUST	Air	03/08/22 13:43	03/11/22 10:40	Air Canister (1-Liter) #5845

Post-Sampling Air Canister Pressure Check Record

Login # (w/ Location Code)	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gauge ID	Analyst
200-62498	03/11/22	12:39	29.7	21	G21	JPB

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	Yes		
(2) Is the flow controller ID used for each canister recorded?	Yes		
(3) MA MCP & NJ DKQP: Check return flow rate for flow controllers		No	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		No	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Check[4] Reference	FC Return (Y/N)	Can Cert Batch ID	Comments
200-62498-A-1	5845	0.0	*N	*N/A	*N/A	*N/A	9175-49593	*GRAB SAMPLE

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg) with the exception of grab samples or those using 100 or 200mL/minute flow controllers. These samples must be returned at no lower than -10"Hg, but have no specific criteria otherwise.

[2] If return pressure is not within criteria, initiate Non-Conformance Memo.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

[4] Record the Flow Controller Set Flow Rate Logbook ID and Page number in which the original FC Check was recorded

Eurofins TestAmerica, Burlington
530 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802.660 1990 fax 802.660 1919

Canister Samples Chain of Custody Record

TestAmerica Laboratories Inc. assumes no liability with respect to the collection and shipment of these samples

200-62498 Chain of Custody

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information	**Client Project Manager:** Kat Vorter	**Samples Collected By:** John Roeske	COC No.
Company Name: TRC	**Phone:** 608 826 3663		1 of 1 COCs
Address: 708 Heartland Trl. Suite 3000	**Email:** kvorter@trcsolutions.com		TALS Project #:
City/State/Zip: Madison, WI 53717	astehn@trcsolutions.com		**For Lab Use Only:**
Phone: 608-826-3600	**Site Contact:** Andrew Stehn		Walk-in Client:
FAX:	**Tel/Fax** 608 867-8112		Lab Sampling
Project Name: JCI - 5	**Analysis Turnaround Time**		
Site/Location: Milwaukee, WI	Standard (Specific) Standard		Job / SDG No.
P O # 470548	Rush (Specify):		(See below for Add'l Items)

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	~~Flow Controller~~ ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	~~Sample Type~~	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
SVE Exhaust	3/8/22	13 42	3/8/22	13 43	-30	-4	5352	5845	X														TO-14 A

Temperature (Fahrenheit)			
Start	Interior	Ambient	
Stop			

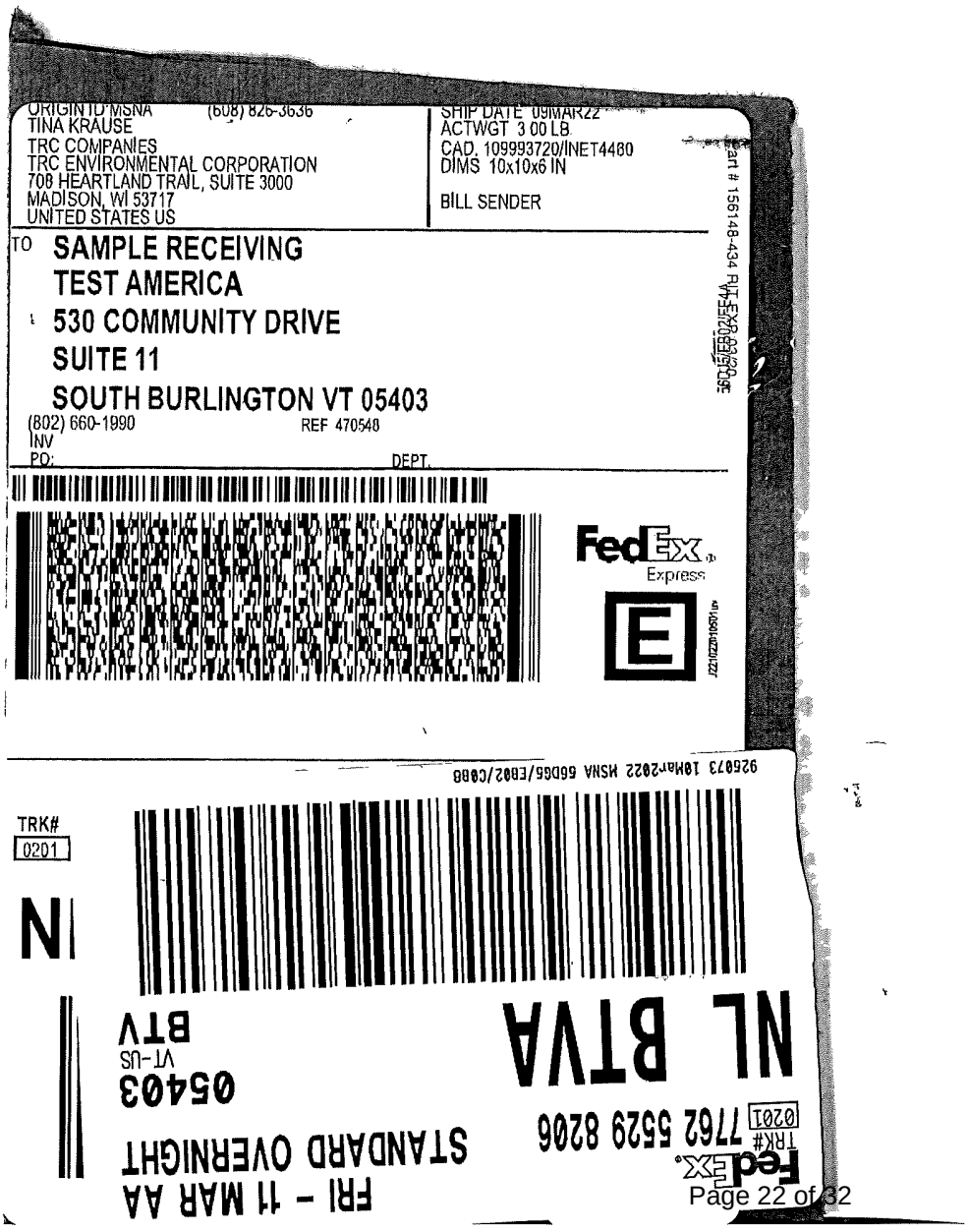
Pressure (inches of Hg)			
Start	Interior	Ambient	
Stop			

Special Instructions/QC Requirements & Comments: A Stehn to email parameter list

Samples Shipped by: Andrew Stehn	**Date / Time:** 3/9/22 / 16'00	**Samples Received by:** Fed Ex	
Samples Relinquished by:	**Date / Time:**	**Received by:** John P. Boom ETA Burl 3/11/22 10:40	
Relinquished by:	**Date / Time:**	**Received by:**	
Lab Use Only: **Shipper Name:**	**Opened by:**	**Condition:**	

Form No. CA-C-WI-003, Rev. 2.28, dated 1/8/2021

3/25/2022


ORIGIN ID:MSNA (608) 826-3636
TINA KRAUSE
TRC COMPANIES
TRC ENVIRONMENTAL CORPORATION
708 HEARTLAND TRAIL, SUITE 3000
MADISON, WI 53717
UNITED STATES US
SHIP DATE: 09MAR22
ACTWGT: 3.00 LB
CAD: 109993720/INET4460
DIMS: 10x10x6 IN
BILL SENDER
TO SAMPLE RECEIVING
TEST AMERICA
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: 470548
INV:
PO:
DEPT:
FedEx Express
TRK#
0201
FedEx
STANDARD OVERNIGHT
FRI - 11 MAR AA
05403
VT-US
BTV
NL BTVA

Login Sample Receipt Checklist

Client: TRC Environmental Corporation.

Job Number: 200-62498-1
SDG Number: 200-62498-1

Login Number: 62498
List Number: 1
Creator: Beane, John P

List Source: Eurofins Burlington

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

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Oven 3/4	10	32	2/15/2022	1231	22	22	SML	1 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	8320	.11	.11	0	29.5	G26	2/16/22	1633	←	22.0	G26	2/16/22	1413	←	22.0
2	6361		.11	0		G26					G26				
3	6380		.11	0		G26					G26				
4	5939		.11	0		G26					G26				
5	34001225		.15	.04		G26					G26				
6	6416		.11	0		G26					G26				
7	5845		.11	0		G26					G26				
8	5880		.11	0		G26					G26				
9	34001633		.19	.08		G26					G26				
10	34002497	↓	.11	0		G26	↓	↓	↓	↓	G26				
11	9175	.07	.07	0		G26	2/15/22	1413	←	22.0	G26				
~~12~~	~~34000229~~	~~.111~~			↓	G26	2/16/22	1633	←	22.0	G26	↓	↓	↓	↓

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☒ TO15 Routine ☐ TO15 LL JB 2/17/22

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Re
9175	2/17/22	~~49593~~ 49593	VTP			XXXXXXX			2/17/22	JB

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 200-62104-1

SDG No.:

Client Sample ID: 9175 | Lab Sample ID: 200-62104-11

Matrix: Air | Lab File ID: 49593-05.D

Analysis Method: TO-15 | Date Collected: 02/15/2022 00:00

Sample wt/vol: 200(mL) | Date Analyzed: 02/17/2022 10:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 176798 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.50	U	0.50	0.50
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.40	U	0.40	0.40
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-62104-1

SDG No.:

Client Sample ID: 9175 Lab Sample ID: 200-62104-11

Matrix: Air Lab File ID: 49593-05.D

Analysis Method: TO-15 Date Collected: 02/15/2022 00:00

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2022 10:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 176798 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.70	U	0.70	0.70
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-62104-1

SDG No.:

Client Sample ID: 9175 Lab Sample ID: 200-62104-11

Matrix: Air Lab File ID: 49593-05.D

Analysis Method: TO-15 Date Collected: 02/15/2022 00:00

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2022 10:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 176798 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20220217-49593.b\49593-05.D
Lims ID: 200-62104-A-11
Client ID: 9175
Sample Type: Client
Inject. Date: 17-Feb-2022 10:40:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0049593-005
Misc. Info.: 62104-11
Operator ID: wrd Instrument ID: CHC.i

Method: \\chromfs\Burlington\ChromData\CHC.i\20220217-49593.b\TO15_MasterMethod_(v1)_CHC.i.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Feb-2022 12:50:15 Calib Date: 10-Feb-2022 01:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20220209-49507.b\49507-13.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1610

First Level Reviewer: bourdeaut Date: 17-Feb-2022 12:50:15

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	1 Propene	41		2.821				ND	7
	2 Dichlorodifluoromethane	85		2.879				ND	7
	3 Chlorodifluoromethane	51		2.917				ND	7
	4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.114				ND	7
	5 Chloromethane	50		3.221				ND	7
	6 Butane	43		3.408				ND	7
	7 Vinyl chloride	62		3.435				ND	
	8 Butadiene	54		3.504				ND	
	9 Bromomethane	94		4.096				ND	
	10 Chloroethane	64		4.315				ND	
	13 Vinyl bromide	106		4.678				ND	
	14 Trichlorofluoromethane	101		4.795				ND	
	16 Ethanol	45		5.366				ND	7
	19 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.836				ND	
	20 1,1-Dichloroethene	96		5.847				ND	
	21 Acetone	43		6.060				ND	7
	22 Carbon disulfide	76		6.204				ND	
	23 Isopropyl alcohol	45		6.439				ND	7
	24 3-Chloro-1-propene	41		6.589				ND	7
	26 Methylene Chloride	49	6.866	6.866	0.000	97	3650	0.0806	
	28 2-Methyl-2-propanol	59		7.224				ND	
	29 trans-1,2-Dichloroethene	61		7.325				ND	
	30 Methyl tert-butyl ether	73		7.352				ND	
	32 Hexane	57	7.773	7.763	0.010	57	1445	0.0245	
	33 1,1-Dichloroethane	63		8.152				ND	
	34 Vinyl acetate	43		8.264				ND	
	35 cis-1,2-Dichloroethene	96		9.241				ND	
	36 2-Butanone (MEK)	72		9.294				ND	
	37 Ethyl acetate	88		9.385				ND	
*	38 Chlorobromomethane	128	9.673	9.673	0.000	95	342761	20.0	
	39 Tetrahydrofuran	42		9.759				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	40 Chloroform	83		9.833				ND	
	41 1,1,1-Trichloroethane	97		10.106				ND	
	42 Cyclohexane	84		10.116				ND	
S	43 1,2-Dichloroethene, Total	61		10.200				ND	7
	44 Carbon tetrachloride	117		10.378				ND	
	45 Benzene	78		10.794				ND	7
	46 Isooctane	57		10.853				ND	
	47 1,2-Dichloroethane	62		10.944				ND	
	48 n-Heptane	43		11.258				ND	7
*	49 1,4-Difluorobenzene	114	11.637	11.643	-0.006	97	1907370	20.0	
	50 Trichloroethene	95		12.112				ND	
	53 1,2-Dichloropropane	63		12.609				ND	
	55 Methyl methacrylate	69		12.859				ND	
	56 Dibromomethane	174		12.859				ND	U
	57 1,4-Dioxane	88		12.918				ND	
	58 Dichlorobromomethane	83		13.185				ND	
	59 cis-1,3-Dichloropropene	75		14.151				ND	
	61 4-Methyl-2-pentanone (MIBK)	43		14.482				ND	
	62 Toluene	92		14.765				ND	
	66 trans-1,3-Dichloropropene	75		15.357				ND	
	67 1,1,2-Trichloroethane	83		15.720				ND	
	68 Tetrachloroethene	166		15.891				ND	
	69 2-Hexanone	43		16.243				ND	
	70 Chlorodibromomethane	129		16.489				ND	
	71 Ethylene Dibromide	107		16.734				ND	
*	72 Chlorobenzene-d5	117	17.673	17.673	0.000	92	1743162	20.0	
	73 Chlorobenzene	112		17.732				ND	
	74 Ethylbenzene	91		17.914				ND	U
	76 m-Xylene & p-Xylene	106		18.170				ND	
	77 o-Xylene	106		18.997				ND	
	78 Styrene	104		19.045				ND	
	80 Bromoform	173		19.456				ND	
	81 Isopropylbenzene	105		19.749				ND	
S	82 Xylenes, Total	106		20.100				ND	7
	83 1,1,2,2-Tetrachloroethane	83		20.443				ND	
	85 N-Propylbenzene	91		20.555				ND	7
	86 2-Chlorotoluene	91		20.753				ND	7
	87 4-Ethyltoluene	105		20.763				ND	
	89 1,3,5-Trimethylbenzene	105		20.886				ND	
	91 tert-Butylbenzene	119		21.404				ND	7
	92 1,2,4-Trimethylbenzene	105		21.505				ND	7
	93 sec-Butylbenzene	105		21.756				ND	7
	94 4-Isopropyltoluene	119		21.975				ND	7
	95 1,3-Dichlorobenzene	146		21.975				ND	7
	96 1,4-Dichlorobenzene	146		22.119				ND	7
	97 Benzyl chloride	91		22.311				ND	7
	98 n-Butylbenzene	91		22.562				ND	7
	100 1,2-Dichlorobenzene	146		22.647				ND	7
	102 1,2,4-Trichlorobenzene	180		24.964				ND	7
	103 Hexachlorobutadiene	225		25.172				ND	
	104 Naphthalene	128		25.369				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

ATTO15CISs_00011 Amount Added: 40.00 Units: mL Run Reagent

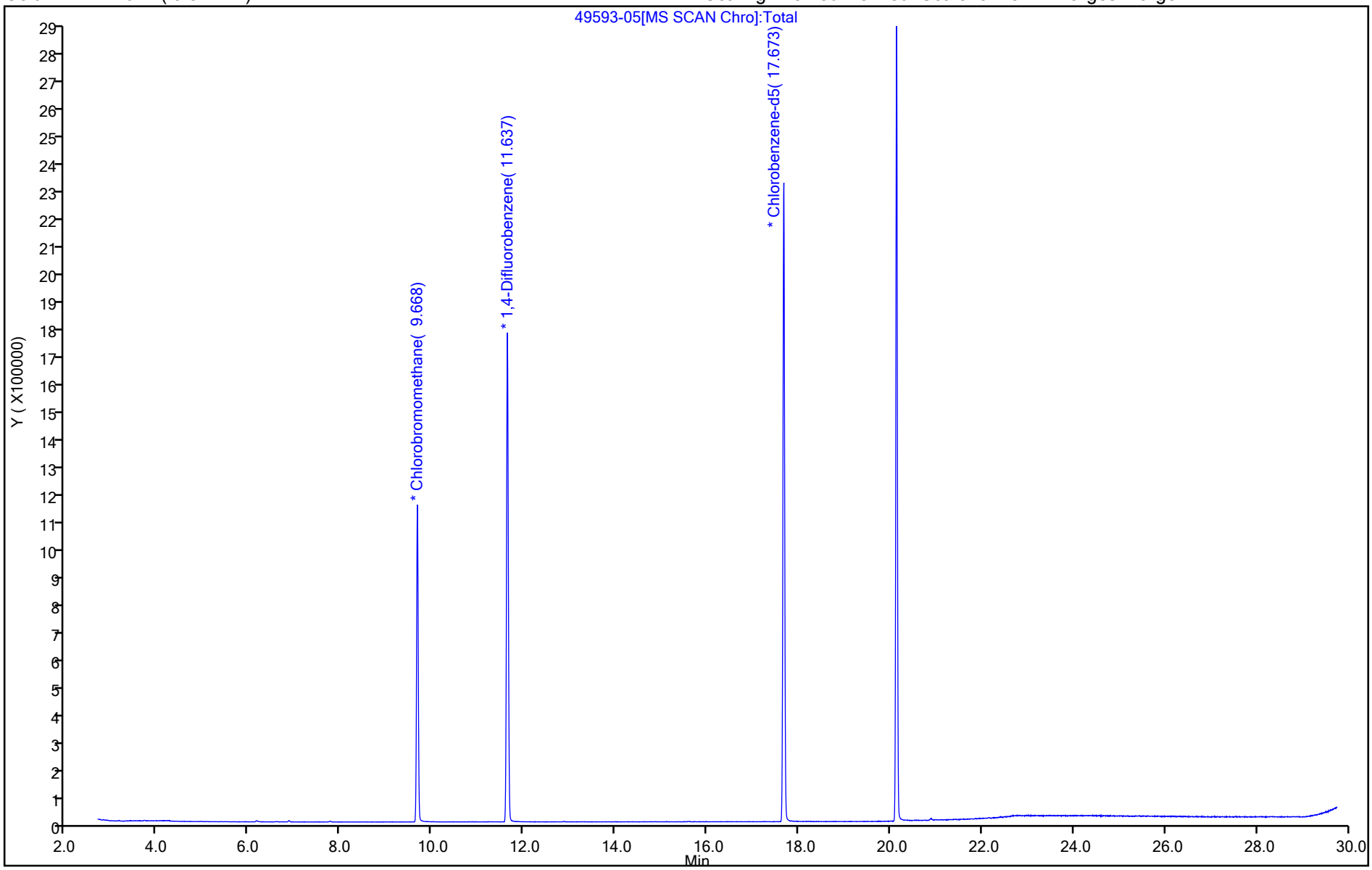
Report Date: 17-Feb-2022 12:50:15 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20220217-49593.b\49593-05.D

Injection Date:	17-Feb-2022 10:40:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-62104-A-11	Lab Sample ID:	200-62104-11	Worklist Smp#:	5
Client ID:	9175				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



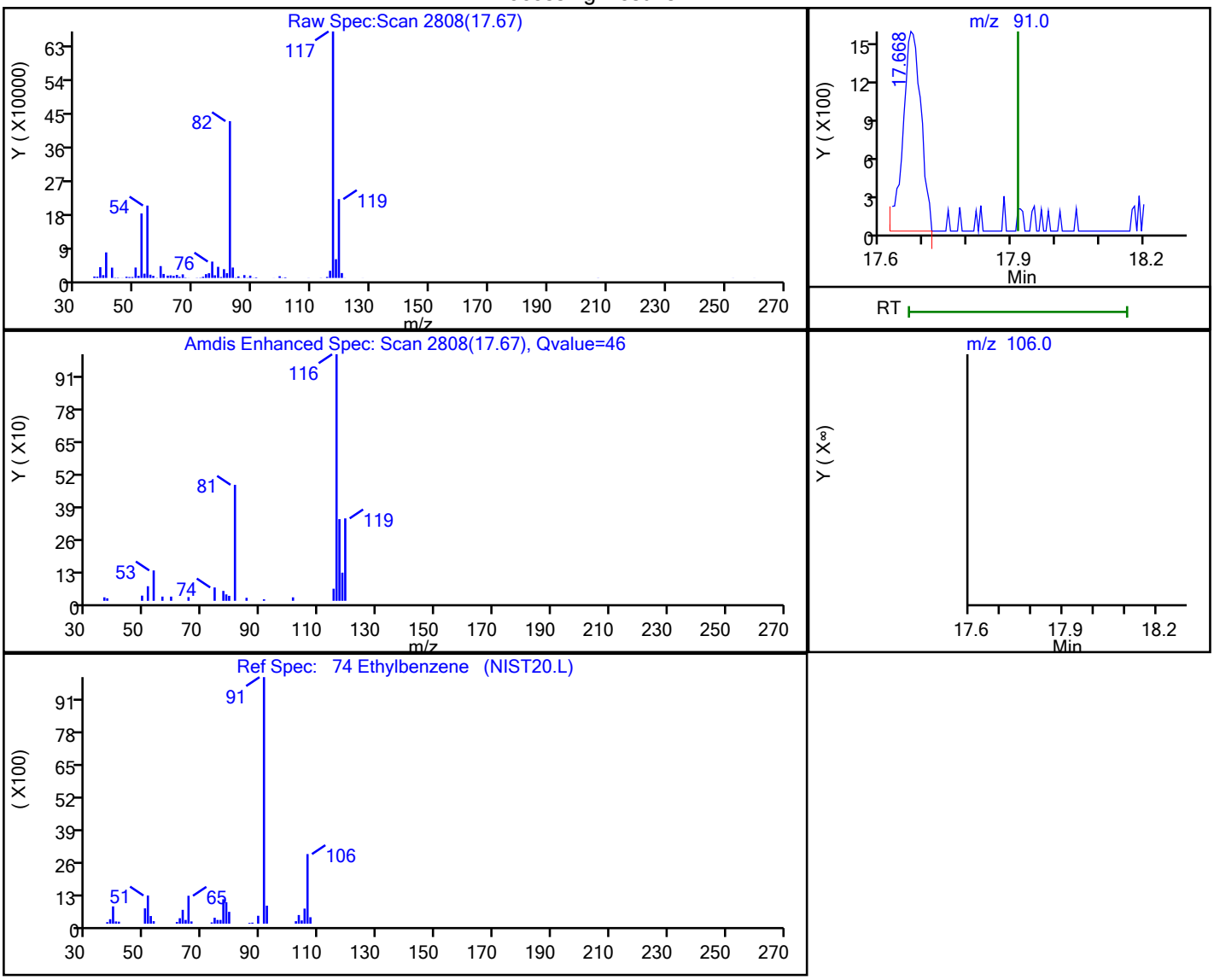
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHC.i\20220217-49593.b\49593-05.D				
Injection Date:	17-Feb-2022 10:40:30	Instrument ID:	CHC.i		
Lims ID:	200-62104-A-11	Lab Sample ID:	200-62104-11		
Client ID:	9175				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

74 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
17.67	91.00	4305	0.021513
17.91	106.00	0	

Reviewer: bourdeaut, 17-Feb-2022 12:49:41

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

June 13, 2022

Andrew Stehn
TRC Madison
708 Heartland Trail
Madison, WI 53717

RE: Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Dear Andrew Stehn:

Enclosed are the analytical results for sample(s) received by the laboratory on June 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
tod.noltemeyer@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Peggy Popp, TRC - Madison
JOHN ROELKE, TRC - Madison
Katherine Vader, TRC Environmental Corporation

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40246149001	**S01 EFFLUENT**	Water	06/06/22 09:20	06/08/22 09:25
40246149002	**S01 C1**	Water	06/06/22 09:27	06/08/22 09:25
40246149003	**S01 INFLUENT**	Water	06/06/22 09:35	06/08/22 09:25
40246149004	**S03 EFFLUENT**	Water	06/06/22 08:25	06/08/22 09:25
40246149005	**S03 BETWEEN C2**	Water	06/06/22 08:32	06/08/22 09:25
40246149006	**S03 BETWEEN C1**	Water	06/06/22 08:39	06/08/22 09:25
40246149007	**INFLUENT**	Water	06/06/22 08:45	06/08/22 09:25
40246149008	**TW-1**	Water	06/07/22 10:45	06/08/22 09:25
40246149009	**TW-2**	Water	06/07/22 11:04	06/08/22 09:25
40246149010	**MW-4A**	Water	06/07/22 11:36	06/08/22 09:25
40246149011	**MW-4B**	Water	06/07/22 11:40	06/08/22 09:25
40246149012	**MW-5**	Water	06/07/22 11:58	06/08/22 09:25
40246149013	**MW-6**	Water	06/07/22 12:15	06/08/22 09:25
40246149014	**MW-7A**	Water	06/07/22 12:26	06/08/22 09:25
40246149015	**MW-7B**	Water	06/07/22 12:36	06/08/22 09:25
40246149016	**TW-4**	Water	06/07/22 11:20	06/08/22 09:25
40246149017	**MW-9**	Water	06/07/22 12:57	06/08/22 09:25
40246149018	**MW-8**	Water	06/07/22 13:08	06/08/22 09:25
40246149019	**TW-8**	Water	06/07/22 12:43	06/08/22 09:25
40246149020	**TW-11**	Water	06/07/22 13:30	06/08/22 09:25
40246149021	**TW-20**	Water	06/07/22 14:00	06/08/22 09:25
40246149022	**TW-18**	Water	06/07/22 13:45	06/08/22 09:25
40246149023	**DUP-01**	Water	06/07/22 00:00	06/08/22 09:25
40246149024	**TRIP BLANK**	Water	06/07/22 00:00	06/08/22 09:25

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40246149001	**S01 EFFLUENT**	EPA 8270E by SIM	RJN	20
		EPA 8260	JAV	64
40246149002	**S01 C1**	EPA 8260	JAV	64
40246149003	**S01 INFLUENT**	EPA 8260	JAV	64
40246149004	**S03 EFFLUENT**	EPA 8270E by SIM	RJN	20
		EPA 8260	JAV	64
40246149005	**S03 BETWEEN C2**	EPA 8260	JAV	64
40246149006	**S03 BETWEEN C1**	EPA 8260	JAV	64
40246149007	**INFLUENT**	EPA 8260	JAV	64
40246149008	**TW-1**	EPA 8260	JAV	64
40246149009	**TW-2**	EPA 8260	JAV	64
40246149010	**MW-4A**	EPA 8260	JAV	64
40246149011	**MW-4B**	EPA 8260	JAV	64
40246149012	**MW-5**	EPA 8260	JAV	64
40246149013	**MW-6**	EPA 8260	JAV	64
40246149014	**MW-7A**	EPA 8260	JAV	64
40246149015	**MW-7B**	EPA 8260	JAV	64
40246149016	**TW-4**	EPA 8260	JAV	64
40246149017	**MW-9**	EPA 8260	JAV	64
40246149018	**MW-8**	EPA 8260	JAV	64
40246149019	**TW-8**	EPA 8260	JAV	64
40246149020	**TW-11**	EPA 8260	JAV	64
40246149021	**TW-20**	EPA 8260	JAV	64
40246149022	**TW-18**	EPA 8260	JAV	64
40246149023	**DUP-01**	EPA 8260	JAV	64
40246149024	**TRIP BLANK**	EPA 8260	JAV	64

PASI-G = Pace Analytical Services - Green Bay

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40246149002	**S01 C1**					
EPA 8260	cis-1,2-Dichloroethene	4.6	ug/L	1.0	06/09/22 12:56	
EPA 8260	Trichloroethene	16.4	ug/L	1.0	06/09/22 12:56	
40246149003	**S01 INFLUENT**					
EPA 8260	cis-1,2-Dichloroethene	25.3	ug/L	1.0	06/09/22 13:16	
EPA 8260	trans-1,2-Dichloroethene	3.7	ug/L	1.0	06/09/22 13:16	
EPA 8260	1,1,2-Trichloroethane	0.76J	ug/L	5.0	06/09/22 13:16	
EPA 8260	Trichloroethene	4880	ug/L	50.0	06/10/22 10:38	
40246149006	**S03 BETWEEN C1**					
EPA 8260	Trichloroethene	2.1	ug/L	1.0	06/09/22 16:50	
40246149007	**INFLUENT**					
EPA 8260	cis-1,2-Dichloroethene	330	ug/L	200	06/09/22 18:27	
EPA 8260	Trichloroethene	39300	ug/L	200	06/09/22 18:27	
40246149010	**MW-4A**					
EPA 8260	Trichloroethene	9.3	ug/L	1.0	06/10/22 09:20	
40246149013	**MW-6**					
EPA 8260	Trichloroethene	1.7	ug/L	1.0	06/10/22 10:18	
40246149014	**MW-7A**					
EPA 8260	Trichloroethene	17.7	ug/L	1.0	06/09/22 14:53	
40246149017	**MW-9**					
EPA 8260	Trichloroethene	0.82J	ug/L	1.0	06/09/22 15:51	
40246149018	**MW-8**					
EPA 8260	Trichloroethene	5290	ug/L	50.0	06/09/22 17:48	
40246149019	**TW-8**					
EPA 8260	cis-1,2-Dichloroethene	1.5	ug/L	1.0	06/09/22 16:11	
EPA 8260	Trichloroethene	6.6	ug/L	1.0	06/09/22 16:11	
40246149020	**TW-11**					
EPA 8260	cis-1,2-Dichloroethene	1160	ug/L	200	06/09/22 18:07	
EPA 8260	Trichloroethene	29600	ug/L	200	06/09/22 18:07	
40246149021	**TW-20**					
EPA 8260	cis-1,2-Dichloroethene	166	ug/L	25.0	06/10/22 14:26	
EPA 8260	Trichloroethene	2390	ug/L	25.0	06/10/22 14:26	
40246149022	**TW-18**					
EPA 8260	cis-1,2-Dichloroethene	5810	ug/L	5000	06/10/22 13:52	
EPA 8260	Trichloroethene	468000	ug/L	5000	06/10/22 13:52	
40246149023	**DUP-01**					
EPA 8260	Trichloroethene	5470	ug/L	100	06/10/22 14:09	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Method: **EPA 8270E by SIM**
Description: 8270E MSSV PAH
Client: TRC - MADISON
Date: June 13, 2022

General Information:
2 samples were analyzed for EPA 8270E by 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 3510 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: 417834

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

Additional Comments:

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Method: **EPA 8260**
Description: 8260 MSV
Client: TRC - MADISON
Date: June 13, 2022

General Information:
24 samples were analyzed for EPA 8260 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.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: S01 EFFLUENT **Lab ID: 40246149001** Collected: 06/06/22 09:20 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	**<0.016**	ug/L	0.056	0.016	1	06/09/22 10:13	06/10/22 13:37	83-32-9	
Acenaphthylene	**<0.014**	ug/L	0.056	0.014	1	06/09/22 10:13	06/10/22 13:37	208-96-8	
Anthracene	**<0.021**	ug/L	0.056	0.021	1	06/09/22 10:13	06/10/22 13:37	120-12-7	
Benzo(a)anthracene	**<0.015**	ug/L	0.056	0.015	1	06/09/22 10:13	06/10/22 13:37	56-55-3	
Benzo(a)pyrene	**<0.014**	ug/L	0.056	0.014	1	06/09/22 10:13	06/10/22 13:37	50-32-8	
Benzo(b)fluoranthene	**<0.010**	ug/L	0.056	0.010	1	06/09/22 10:13	06/10/22 13:37	205-99-2	
Benzo(g,h,i)perylene	**<0.026**	ug/L	0.056	0.026	1	06/09/22 10:13	06/10/22 13:37	191-24-2	
Benzo(k)fluoranthene	**<0.025**	ug/L	0.056	0.025	1	06/09/22 10:13	06/10/22 13:37	207-08-9	
Chrysene	**<0.014**	ug/L	0.056	0.014	1	06/09/22 10:13	06/10/22 13:37	218-01-9	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.056	0.020	1	06/09/22 10:13	06/10/22 13:37	53-70-3	
Fluoranthene	**<0.029**	ug/L	0.056	0.029	1	06/09/22 10:13	06/10/22 13:37	206-44-0	
Fluorene	**<0.026**	ug/L	0.056	0.026	1	06/09/22 10:13	06/10/22 13:37	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.017**	ug/L	0.056	0.017	1	06/09/22 10:13	06/10/22 13:37	193-39-5	
1-Methylnaphthalene	**<0.020**	ug/L	0.056	0.020	1	06/09/22 10:13	06/10/22 13:37	90-12-0	
2-Methylnaphthalene	**<0.016**	ug/L	0.056	0.016	1	06/09/22 10:13	06/10/22 13:37	91-57-6	
Naphthalene	**<0.022**	ug/L	0.056	0.022	1	06/09/22 10:13	06/10/22 13:37	91-20-3	
Phenanthrene	**<0.029**	ug/L	0.056	0.029	1	06/09/22 10:13	06/10/22 13:37	85-01-8	
Pyrene	**<0.025**	ug/L	0.056	0.025	1	06/09/22 10:13	06/10/22 13:37	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	44-120		1	06/09/22 10:13	06/10/22 13:37	321-60-8	
Terphenyl-d14 (S)	54	%	49-120		1	06/09/22 10:13	06/10/22 13:37	1718-51-0	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/09/22 12:37	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 12:37	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/09/22 12:37	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 12:37	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		06/09/22 12:37	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/09/22 12:37	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 12:37	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/09/22 12:37	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		06/09/22 12:37	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/09/22 12:37	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 12:37	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/09/22 12:37	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		06/09/22 12:37	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/09/22 12:37	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 12:37	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 12:37	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/09/22 12:37	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/09/22 12:37	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/09/22 12:37	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/09/22 12:37	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 12:37	95-50-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: S01 EFFLUENT **Lab ID: 40246149001** Collected: 06/06/22 09:20 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 12:37	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/09/22 12:37	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/09/22 12:37	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 12:37	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/09/22 12:37	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/09/22 12:37	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		06/09/22 12:37	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		06/09/22 12:37	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/09/22 12:37	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 12:37	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		06/09/22 12:37	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 12:37	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 12:37	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		06/09/22 12:37	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 12:37	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 12:37	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		06/09/22 12:37	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		06/09/22 12:37	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 12:37	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/09/22 12:37	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 12:37	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/09/22 12:37	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 12:37	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 12:37	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		06/09/22 12:37	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		06/09/22 12:37	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 12:37	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/09/22 12:37	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 12:37	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/09/22 12:37	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 12:37	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		06/09/22 12:37	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		06/09/22 12:37	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 12:37	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		06/09/22 12:37	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		06/09/22 12:37	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 12:37	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/09/22 12:37	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		06/09/22 12:37	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 12:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		06/09/22 12:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		06/09/22 12:37	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		06/09/22 12:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: S01 C1 **Lab ID: 40246149002** Collected: 06/06/22 09:27 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/09/22 12:56	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 12:56	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/09/22 12:56	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 12:56	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		06/09/22 12:56	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/09/22 12:56	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 12:56	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/09/22 12:56	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		06/09/22 12:56	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/09/22 12:56	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 12:56	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/09/22 12:56	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		06/09/22 12:56	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/09/22 12:56	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 12:56	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 12:56	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/09/22 12:56	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/09/22 12:56	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/09/22 12:56	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/09/22 12:56	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 12:56	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 12:56	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/09/22 12:56	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/09/22 12:56	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 12:56	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/09/22 12:56	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/09/22 12:56	75-35-4	
cis-1,2-Dichloroethene	**4.6**	ug/L	1.0	0.47	1		06/09/22 12:56	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		06/09/22 12:56	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/09/22 12:56	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 12:56	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		06/09/22 12:56	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 12:56	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 12:56	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		06/09/22 12:56	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 12:56	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 12:56	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		06/09/22 12:56	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		06/09/22 12:56	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 12:56	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/09/22 12:56	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 12:56	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/09/22 12:56	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 12:56	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 12:56	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: S01 C1 **Lab ID: 40246149002** Collected: 06/06/22 09:27 Received: 06/08/22 09:25 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		06/09/22 12:56	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		06/09/22 12:56	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 12:56	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/09/22 12:56	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 12:56	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/09/22 12:56	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 12:56	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		06/09/22 12:56	79-00-5	
Trichloroethene	**16.4**	ug/L	1.0	0.32	1		06/09/22 12:56	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 12:56	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		06/09/22 12:56	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		06/09/22 12:56	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 12:56	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/09/22 12:56	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		06/09/22 12:56	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 12:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		06/09/22 12:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		06/09/22 12:56	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		06/09/22 12:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: S01 INFLUENT **Lab ID: 40246149003** Collected: 06/06/22 09:35 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/09/22 13:16	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 13:16	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/09/22 13:16	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 13:16	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		06/09/22 13:16	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/09/22 13:16	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 13:16	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/09/22 13:16	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		06/09/22 13:16	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/09/22 13:16	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 13:16	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/09/22 13:16	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		06/09/22 13:16	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/09/22 13:16	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 13:16	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 13:16	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/09/22 13:16	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/09/22 13:16	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/09/22 13:16	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/09/22 13:16	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 13:16	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 13:16	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/09/22 13:16	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/09/22 13:16	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 13:16	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/09/22 13:16	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/09/22 13:16	75-35-4	
cis-1,2-Dichloroethene	**25.3**	ug/L	1.0	0.47	1		06/09/22 13:16	156-59-2	
trans-1,2-Dichloroethene	**3.7**	ug/L	1.0	0.53	1		06/09/22 13:16	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/09/22 13:16	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 13:16	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		06/09/22 13:16	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 13:16	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 13:16	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		06/09/22 13:16	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 13:16	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 13:16	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		06/09/22 13:16	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		06/09/22 13:16	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 13:16	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/09/22 13:16	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 13:16	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/09/22 13:16	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 13:16	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 13:16	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: S01 INFLUENT **Lab ID: 40246149003** Collected: 06/06/22 09:35 Received: 06/08/22 09:25 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		06/09/22 13:16	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		06/09/22 13:16	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 13:16	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/09/22 13:16	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 13:16	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/09/22 13:16	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 13:16	71-55-6	
1,1,2-Trichloroethane	**0.76J**	ug/L	5.0	0.34	1		06/09/22 13:16	79-00-5	
Trichloroethene	**4880**	ug/L	50.0	16.0	50		06/10/22 10:38	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 13:16	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		06/09/22 13:16	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		06/09/22 13:16	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 13:16	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/09/22 13:16	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		06/09/22 13:16	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 13:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		06/09/22 13:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		06/09/22 13:16	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		06/09/22 13:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: S03 EFFLUENT **Lab ID: 40246149004** Collected: 06/06/22 08:25 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	**<0.014**	ug/L	0.051	0.014	1	06/09/22 10:13	06/10/22 13:56	83-32-9	
Acenaphthylene	**<0.013**	ug/L	0.051	0.013	1	06/09/22 10:13	06/10/22 13:56	208-96-8	
Anthracene	**<0.019**	ug/L	0.051	0.019	1	06/09/22 10:13	06/10/22 13:56	120-12-7	
Benzo(a)anthracene	**<0.014**	ug/L	0.051	0.014	1	06/09/22 10:13	06/10/22 13:56	56-55-3	
Benzo(a)pyrene	**<0.013**	ug/L	0.051	0.013	1	06/09/22 10:13	06/10/22 13:56	50-32-8	
Benzo(b)fluoranthene	**<0.0092**	ug/L	0.051	0.0092	1	06/09/22 10:13	06/10/22 13:56	205-99-2	
Benzo(g,h,i)perylene	**<0.024**	ug/L	0.051	0.024	1	06/09/22 10:13	06/10/22 13:56	191-24-2	
Benzo(k)fluoranthene	**<0.023**	ug/L	0.051	0.023	1	06/09/22 10:13	06/10/22 13:56	207-08-9	
Chrysene	**<0.013**	ug/L	0.051	0.013	1	06/09/22 10:13	06/10/22 13:56	218-01-9	
Dibenz(a,h)anthracene	**<0.018**	ug/L	0.051	0.018	1	06/09/22 10:13	06/10/22 13:56	53-70-3	
Fluoranthene	**<0.026**	ug/L	0.051	0.026	1	06/09/22 10:13	06/10/22 13:56	206-44-0	
Fluorene	**<0.024**	ug/L	0.051	0.024	1	06/09/22 10:13	06/10/22 13:56	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.016**	ug/L	0.051	0.016	1	06/09/22 10:13	06/10/22 13:56	193-39-5	
1-Methylnaphthalene	**<0.018**	ug/L	0.051	0.018	1	06/09/22 10:13	06/10/22 13:56	90-12-0	
2-Methylnaphthalene	**<0.014**	ug/L	0.051	0.014	1	06/09/22 10:13	06/10/22 13:56	91-57-6	
Naphthalene	**<0.020**	ug/L	0.051	0.020	1	06/09/22 10:13	06/10/22 13:56	91-20-3	
Phenanthrene	**<0.026**	ug/L	0.051	0.026	1	06/09/22 10:13	06/10/22 13:56	85-01-8	
Pyrene	**<0.023**	ug/L	0.051	0.023	1	06/09/22 10:13	06/10/22 13:56	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	64	%	44-120		1	06/09/22 10:13	06/10/22 13:56	321-60-8	
Terphenyl-d14 (S)	68	%	49-120		1	06/09/22 10:13	06/10/22 13:56	1718-51-0	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/09/22 12:17	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 12:17	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/09/22 12:17	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 12:17	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		06/09/22 12:17	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/09/22 12:17	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 12:17	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/09/22 12:17	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		06/09/22 12:17	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/09/22 12:17	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 12:17	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/09/22 12:17	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		06/09/22 12:17	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/09/22 12:17	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 12:17	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 12:17	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/09/22 12:17	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/09/22 12:17	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/09/22 12:17	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/09/22 12:17	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 12:17	95-50-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: S03 EFFLUENT **Lab ID: 40246149004** Collected: 06/06/22 08:25 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 12:17	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/09/22 12:17	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/09/22 12:17	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 12:17	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/09/22 12:17	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/09/22 12:17	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		06/09/22 12:17	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		06/09/22 12:17	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/09/22 12:17	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 12:17	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		06/09/22 12:17	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 12:17	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 12:17	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		06/09/22 12:17	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 12:17	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 12:17	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		06/09/22 12:17	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		06/09/22 12:17	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 12:17	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/09/22 12:17	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 12:17	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/09/22 12:17	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 12:17	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 12:17	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		06/09/22 12:17	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		06/09/22 12:17	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 12:17	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/09/22 12:17	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 12:17	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/09/22 12:17	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 12:17	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		06/09/22 12:17	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		06/09/22 12:17	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 12:17	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		06/09/22 12:17	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		06/09/22 12:17	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 12:17	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/09/22 12:17	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		06/09/22 12:17	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 12:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/09/22 12:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		06/09/22 12:17	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		06/09/22 12:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: S03 BETWEEN C2 **Lab ID: 40246149005** Collected: 06/06/22 08:32 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/09/22 16:30	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 16:30	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/09/22 16:30	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 16:30	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		06/09/22 16:30	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/09/22 16:30	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 16:30	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/09/22 16:30	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		06/09/22 16:30	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/09/22 16:30	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 16:30	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/09/22 16:30	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		06/09/22 16:30	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/09/22 16:30	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 16:30	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 16:30	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/09/22 16:30	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/09/22 16:30	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/09/22 16:30	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/09/22 16:30	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 16:30	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 16:30	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/09/22 16:30	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/09/22 16:30	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 16:30	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/09/22 16:30	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/09/22 16:30	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		06/09/22 16:30	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		06/09/22 16:30	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/09/22 16:30	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 16:30	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		06/09/22 16:30	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 16:30	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 16:30	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		06/09/22 16:30	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 16:30	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 16:30	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		06/09/22 16:30	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		06/09/22 16:30	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 16:30	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/09/22 16:30	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 16:30	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/09/22 16:30	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 16:30	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 16:30	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: S03 BETWEEN C2 **Lab ID: 40246149005** Collected: 06/06/22 08:32 Received: 06/08/22 09:25 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		06/09/22 16:30	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		06/09/22 16:30	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 16:30	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/09/22 16:30	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 16:30	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/09/22 16:30	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 16:30	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		06/09/22 16:30	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		06/09/22 16:30	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 16:30	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		06/09/22 16:30	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		06/09/22 16:30	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 16:30	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/09/22 16:30	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		06/09/22 16:30	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 16:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		06/09/22 16:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		06/09/22 16:30	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		06/09/22 16:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: S03 BETWEEN C1 **Lab ID: 40246149006** Collected: 06/06/22 08:39 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/09/22 16:50	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 16:50	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/09/22 16:50	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 16:50	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		06/09/22 16:50	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/09/22 16:50	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 16:50	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/09/22 16:50	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		06/09/22 16:50	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/09/22 16:50	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 16:50	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/09/22 16:50	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		06/09/22 16:50	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/09/22 16:50	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 16:50	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 16:50	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/09/22 16:50	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/09/22 16:50	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/09/22 16:50	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/09/22 16:50	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 16:50	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 16:50	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/09/22 16:50	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/09/22 16:50	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 16:50	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/09/22 16:50	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/09/22 16:50	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		06/09/22 16:50	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		06/09/22 16:50	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/09/22 16:50	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 16:50	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		06/09/22 16:50	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 16:50	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 16:50	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		06/09/22 16:50	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 16:50	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 16:50	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		06/09/22 16:50	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		06/09/22 16:50	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 16:50	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/09/22 16:50	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 16:50	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/09/22 16:50	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 16:50	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 16:50	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: S03 BETWEEN C1 **Lab ID: 40246149006** Collected: 06/06/22 08:39 Received: 06/08/22 09:25 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		06/09/22 16:50	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		06/09/22 16:50	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 16:50	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/09/22 16:50	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 16:50	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/09/22 16:50	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 16:50	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		06/09/22 16:50	79-00-5	
Trichloroethene	**2.1**	ug/L	1.0	0.32	1		06/09/22 16:50	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 16:50	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		06/09/22 16:50	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		06/09/22 16:50	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 16:50	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/09/22 16:50	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		06/09/22 16:50	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 16:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/09/22 16:50	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		06/09/22 16:50	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		06/09/22 16:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: INFLUENT **Lab ID: 40246149007** Collected: 06/06/22 08:45 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<59.1**	ug/L	200	59.1	200		06/09/22 18:27	71-43-2	
Bromobenzene	**<72.2**	ug/L	200	72.2	200		06/09/22 18:27	108-86-1	
Bromochloromethane	**<71.6**	ug/L	1000	71.6	200		06/09/22 18:27	74-97-5	
Bromodichloromethane	**<83.1**	ug/L	200	83.1	200		06/09/22 18:27	75-27-4	
Bromoform	**<760**	ug/L	1000	760	200		06/09/22 18:27	75-25-2	
Bromomethane	**<238**	ug/L	1000	238	200		06/09/22 18:27	74-83-9	
n-Butylbenzene	**<171**	ug/L	200	171	200		06/09/22 18:27	104-51-8	
sec-Butylbenzene	**<84.8**	ug/L	200	84.8	200		06/09/22 18:27	135-98-8	
tert-Butylbenzene	**<117**	ug/L	200	117	200		06/09/22 18:27	98-06-6	
Carbon tetrachloride	**<73.9**	ug/L	200	73.9	200		06/09/22 18:27	56-23-5	
Chlorobenzene	**<171**	ug/L	200	171	200		06/09/22 18:27	108-90-7	
Chloroethane	**<276**	ug/L	1000	276	200		06/09/22 18:27	75-00-3	
Chloroform	**<237**	ug/L	1000	237	200		06/09/22 18:27	67-66-3	
Chloromethane	**<327**	ug/L	1000	327	200		06/09/22 18:27	74-87-3	
2-Chlorotoluene	**<178**	ug/L	1000	178	200		06/09/22 18:27	95-49-8	
4-Chlorotoluene	**<179**	ug/L	1000	179	200		06/09/22 18:27	106-43-4	
1,2-Dibromo-3-chloropropane	**<473**	ug/L	1000	473	200		06/09/22 18:27	96-12-8	
Dibromochloromethane	**<529**	ug/L	1000	529	200		06/09/22 18:27	124-48-1	
1,2-Dibromoethane (EDB)	**<61.8**	ug/L	200	61.8	200		06/09/22 18:27	106-93-4	
Dibromomethane	**<198**	ug/L	1000	198	200		06/09/22 18:27	74-95-3	
1,2-Dichlorobenzene	**<65.2**	ug/L	200	65.2	200		06/09/22 18:27	95-50-1	
1,3-Dichlorobenzene	**<70.2**	ug/L	200	70.2	200		06/09/22 18:27	541-73-1	
1,4-Dichlorobenzene	**<178**	ug/L	200	178	200		06/09/22 18:27	106-46-7	
Dichlorodifluoromethane	**<91.1**	ug/L	1000	91.1	200		06/09/22 18:27	75-71-8	
1,1-Dichloroethane	**<59.1**	ug/L	200	59.1	200		06/09/22 18:27	75-34-3	
1,2-Dichloroethane	**<58.3**	ug/L	200	58.3	200		06/09/22 18:27	107-06-2	
1,1-Dichloroethene	**<116**	ug/L	200	116	200		06/09/22 18:27	75-35-4	
cis-1,2-Dichloroethene	**330**	ug/L	200	94.3	200		06/09/22 18:27	156-59-2	
trans-1,2-Dichloroethene	**<106**	ug/L	200	106	200		06/09/22 18:27	156-60-5	
1,2-Dichloropropane	**<89.6**	ug/L	200	89.6	200		06/09/22 18:27	78-87-5	
1,3-Dichloropropane	**<61.0**	ug/L	200	61.0	200		06/09/22 18:27	142-28-9	
2,2-Dichloropropane	**<836**	ug/L	1000	836	200		06/09/22 18:27	594-20-7	
1,1-Dichloropropene	**<82.1**	ug/L	200	82.1	200		06/09/22 18:27	563-58-6	
cis-1,3-Dichloropropene	**<71.6**	ug/L	200	71.6	200		06/09/22 18:27	10061-01-5	
trans-1,3-Dichloropropene	**<692**	ug/L	1000	692	200		06/09/22 18:27	10061-02-6	
Diisopropyl ether	**<220**	ug/L	1000	220	200		06/09/22 18:27	108-20-3	
Ethylbenzene	**<65.0**	ug/L	200	65.0	200		06/09/22 18:27	100-41-4	
Hexachloro-1,3-butadiene	**<547**	ug/L	1000	547	200		06/09/22 18:27	87-68-3	
Isopropylbenzene (Cumene)	**<200**	ug/L	1000	200	200		06/09/22 18:27	98-82-8	
p-Isopropyltoluene	**<209**	ug/L	1000	209	200		06/09/22 18:27	99-87-6	
Methylene Chloride	**<63.9**	ug/L	1000	63.9	200		06/09/22 18:27	75-09-2	
Methyl-tert-butyl ether	**<226**	ug/L	1000	226	200		06/09/22 18:27	1634-04-4	
Naphthalene	**<226**	ug/L	1000	226	200		06/09/22 18:27	91-20-3	
n-Propylbenzene	**<69.1**	ug/L	200	69.1	200		06/09/22 18:27	103-65-1	
Styrene	**<71.3**	ug/L	200	71.3	200		06/09/22 18:27	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: INFLUENT **Lab ID: 40246149007** Collected: 06/06/22 08:45 Received: 06/08/22 09:25 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	**<71.1**	ug/L	200	71.1	200		06/09/22 18:27	630-20-6	
1,1,2,2-Tetrachloroethane	**<75.6**	ug/L	200	75.6	200		06/09/22 18:27	79-34-5	
Tetrachloroethene	**<81.7**	ug/L	200	81.7	200		06/09/22 18:27	127-18-4	
Toluene	**<57.6**	ug/L	200	57.6	200		06/09/22 18:27	108-88-3	
1,2,3-Trichlorobenzene	**<204**	ug/L	1000	204	200		06/09/22 18:27	87-61-6	
1,2,4-Trichlorobenzene	**<190**	ug/L	1000	190	200		06/09/22 18:27	120-82-1	
1,1,1-Trichloroethane	**<60.5**	ug/L	200	60.5	200		06/09/22 18:27	71-55-6	
1,1,2-Trichloroethane	**<68.9**	ug/L	1000	68.9	200		06/09/22 18:27	79-00-5	
Trichloroethene	**39300**	ug/L	200	63.9	200		06/09/22 18:27	79-01-6	
Trichlorofluoromethane	**<83.7**	ug/L	200	83.7	200		06/09/22 18:27	75-69-4	
1,2,3-Trichloropropane	**<111**	ug/L	1000	111	200		06/09/22 18:27	96-18-4	
1,2,4-Trimethylbenzene	**<89.7**	ug/L	200	89.7	200		06/09/22 18:27	95-63-6	
1,3,5-Trimethylbenzene	**<71.5**	ug/L	200	71.5	200		06/09/22 18:27	108-67-8	
Vinyl chloride	**<34.9**	ug/L	200	34.9	200		06/09/22 18:27	75-01-4	
m&p-Xylene	**<140**	ug/L	400	140	200		06/09/22 18:27	179601-23-1	
o-Xylene	**<69.6**	ug/L	200	69.6	200		06/09/22 18:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		200		06/09/22 18:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		200		06/09/22 18:27	2199-69-1	
Toluene-d8 (S)	99	%	70-130		200		06/09/22 18:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: TW-1 **Lab ID: 40246149008** Collected: 06/07/22 10:45 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/09/22 17:09	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 17:09	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/09/22 17:09	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 17:09	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		06/09/22 17:09	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/09/22 17:09	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 17:09	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/09/22 17:09	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		06/09/22 17:09	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/09/22 17:09	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 17:09	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/09/22 17:09	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		06/09/22 17:09	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/09/22 17:09	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 17:09	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 17:09	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/09/22 17:09	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/09/22 17:09	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/09/22 17:09	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/09/22 17:09	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 17:09	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 17:09	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/09/22 17:09	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/09/22 17:09	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 17:09	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/09/22 17:09	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/09/22 17:09	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		06/09/22 17:09	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		06/09/22 17:09	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/09/22 17:09	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 17:09	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		06/09/22 17:09	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 17:09	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 17:09	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		06/09/22 17:09	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 17:09	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 17:09	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		06/09/22 17:09	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		06/09/22 17:09	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 17:09	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/09/22 17:09	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 17:09	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/09/22 17:09	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 17:09	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 17:09	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: TW-1 **Lab ID: 40246149008** Collected: 06/07/22 10:45 Received: 06/08/22 09:25 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		06/09/22 17:09	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		06/09/22 17:09	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 17:09	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/09/22 17:09	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 17:09	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/09/22 17:09	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 17:09	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		06/09/22 17:09	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		06/09/22 17:09	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 17:09	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		06/09/22 17:09	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		06/09/22 17:09	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 17:09	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/09/22 17:09	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		06/09/22 17:09	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 17:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/09/22 17:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		06/09/22 17:09	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		06/09/22 17:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: TW-2 **Lab ID: 40246149009** Collected: 06/07/22 11:04 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/09/22 17:29	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 17:29	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/09/22 17:29	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 17:29	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		06/09/22 17:29	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/09/22 17:29	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 17:29	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/09/22 17:29	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		06/09/22 17:29	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/09/22 17:29	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 17:29	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/09/22 17:29	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		06/09/22 17:29	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/09/22 17:29	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 17:29	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 17:29	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/09/22 17:29	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/09/22 17:29	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/09/22 17:29	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/09/22 17:29	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 17:29	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 17:29	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/09/22 17:29	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/09/22 17:29	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 17:29	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/09/22 17:29	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/09/22 17:29	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		06/09/22 17:29	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		06/09/22 17:29	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/09/22 17:29	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 17:29	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		06/09/22 17:29	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 17:29	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 17:29	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		06/09/22 17:29	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 17:29	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 17:29	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		06/09/22 17:29	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		06/09/22 17:29	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 17:29	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/09/22 17:29	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 17:29	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/09/22 17:29	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 17:29	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 17:29	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: TW-2 **Lab ID: 40246149009** Collected: 06/07/22 11:04 Received: 06/08/22 09:25 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		06/09/22 17:29	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		06/09/22 17:29	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 17:29	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/09/22 17:29	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 17:29	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/09/22 17:29	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 17:29	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		06/09/22 17:29	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		06/09/22 17:29	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 17:29	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		06/09/22 17:29	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		06/09/22 17:29	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 17:29	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/09/22 17:29	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		06/09/22 17:29	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 17:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		06/09/22 17:29	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		06/09/22 17:29	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		06/09/22 17:29	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: MW-4A **Lab ID: 40246149010** Collected: 06/07/22 11:36 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/10/22 09:20	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 09:20	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/10/22 09:20	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/10/22 09:20	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		06/10/22 09:20	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/10/22 09:20	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		06/10/22 09:20	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/10/22 09:20	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		06/10/22 09:20	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/10/22 09:20	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/10/22 09:20	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/10/22 09:20	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		06/10/22 09:20	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/10/22 09:20	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/10/22 09:20	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/10/22 09:20	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/10/22 09:20	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/10/22 09:20	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/10/22 09:20	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/10/22 09:20	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/10/22 09:20	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/10/22 09:20	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/10/22 09:20	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/10/22 09:20	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/10/22 09:20	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/10/22 09:20	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/10/22 09:20	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		06/10/22 09:20	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		06/10/22 09:20	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/10/22 09:20	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		06/10/22 09:20	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		06/10/22 09:20	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		06/10/22 09:20	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 09:20	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		06/10/22 09:20	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		06/10/22 09:20	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/10/22 09:20	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		06/10/22 09:20	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		06/10/22 09:20	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		06/10/22 09:20	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/10/22 09:20	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/10/22 09:20	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/10/22 09:20	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		06/10/22 09:20	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 09:20	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: MW-4A **Lab ID: 40246149010** Collected: 06/07/22 11:36 Received: 06/08/22 09:25 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		06/10/22 09:20	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		06/10/22 09:20	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/10/22 09:20	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/10/22 09:20	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		06/10/22 09:20	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/10/22 09:20	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/10/22 09:20	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		06/10/22 09:20	79-00-5	
Trichloroethene	**9.3**	ug/L	1.0	0.32	1		06/10/22 09:20	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/10/22 09:20	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		06/10/22 09:20	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		06/10/22 09:20	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 09:20	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/10/22 09:20	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		06/10/22 09:20	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		06/10/22 09:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		06/10/22 09:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		06/10/22 09:20	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		06/10/22 09:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: MW-4B **Lab ID: 40246149011** Collected: 06/07/22 11:40 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/10/22 09:39	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 09:39	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/10/22 09:39	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/10/22 09:39	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		06/10/22 09:39	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/10/22 09:39	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		06/10/22 09:39	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/10/22 09:39	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		06/10/22 09:39	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/10/22 09:39	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/10/22 09:39	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/10/22 09:39	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		06/10/22 09:39	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/10/22 09:39	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/10/22 09:39	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/10/22 09:39	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/10/22 09:39	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/10/22 09:39	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/10/22 09:39	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/10/22 09:39	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/10/22 09:39	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/10/22 09:39	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/10/22 09:39	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/10/22 09:39	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/10/22 09:39	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/10/22 09:39	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/10/22 09:39	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		06/10/22 09:39	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		06/10/22 09:39	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/10/22 09:39	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		06/10/22 09:39	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		06/10/22 09:39	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		06/10/22 09:39	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 09:39	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		06/10/22 09:39	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		06/10/22 09:39	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/10/22 09:39	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		06/10/22 09:39	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		06/10/22 09:39	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		06/10/22 09:39	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/10/22 09:39	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/10/22 09:39	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/10/22 09:39	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		06/10/22 09:39	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 09:39	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: MW-4B **Lab ID: 40246149011** Collected: 06/07/22 11:40 Received: 06/08/22 09:25 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		06/10/22 09:39	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		06/10/22 09:39	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/10/22 09:39	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/10/22 09:39	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		06/10/22 09:39	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/10/22 09:39	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/10/22 09:39	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		06/10/22 09:39	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		06/10/22 09:39	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/10/22 09:39	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		06/10/22 09:39	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		06/10/22 09:39	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 09:39	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/10/22 09:39	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		06/10/22 09:39	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		06/10/22 09:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/10/22 09:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		06/10/22 09:39	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		06/10/22 09:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: MW-5 **Lab ID: 40246149012** Collected: 06/07/22 11:58 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/10/22 09:59	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 09:59	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/10/22 09:59	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/10/22 09:59	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		06/10/22 09:59	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/10/22 09:59	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		06/10/22 09:59	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/10/22 09:59	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		06/10/22 09:59	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/10/22 09:59	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/10/22 09:59	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/10/22 09:59	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		06/10/22 09:59	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/10/22 09:59	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/10/22 09:59	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/10/22 09:59	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/10/22 09:59	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/10/22 09:59	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/10/22 09:59	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/10/22 09:59	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/10/22 09:59	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/10/22 09:59	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/10/22 09:59	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/10/22 09:59	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/10/22 09:59	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/10/22 09:59	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/10/22 09:59	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		06/10/22 09:59	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		06/10/22 09:59	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/10/22 09:59	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		06/10/22 09:59	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		06/10/22 09:59	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		06/10/22 09:59	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 09:59	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		06/10/22 09:59	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		06/10/22 09:59	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/10/22 09:59	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		06/10/22 09:59	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		06/10/22 09:59	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		06/10/22 09:59	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/10/22 09:59	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/10/22 09:59	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/10/22 09:59	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		06/10/22 09:59	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 09:59	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: MW-5 **Lab ID: 40246149012** Collected: 06/07/22 11:58 Received: 06/08/22 09:25 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		06/10/22 09:59	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		06/10/22 09:59	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/10/22 09:59	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/10/22 09:59	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		06/10/22 09:59	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/10/22 09:59	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/10/22 09:59	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		06/10/22 09:59	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		06/10/22 09:59	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/10/22 09:59	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		06/10/22 09:59	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		06/10/22 09:59	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 09:59	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/10/22 09:59	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		06/10/22 09:59	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		06/10/22 09:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/10/22 09:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		06/10/22 09:59	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		06/10/22 09:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: MW-6 **Lab ID: 40246149013** Collected: 06/07/22 12:15 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/10/22 10:18	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 10:18	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/10/22 10:18	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/10/22 10:18	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		06/10/22 10:18	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/10/22 10:18	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		06/10/22 10:18	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/10/22 10:18	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		06/10/22 10:18	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/10/22 10:18	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/10/22 10:18	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/10/22 10:18	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		06/10/22 10:18	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/10/22 10:18	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/10/22 10:18	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/10/22 10:18	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/10/22 10:18	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/10/22 10:18	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/10/22 10:18	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/10/22 10:18	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/10/22 10:18	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/10/22 10:18	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/10/22 10:18	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/10/22 10:18	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/10/22 10:18	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/10/22 10:18	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/10/22 10:18	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		06/10/22 10:18	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		06/10/22 10:18	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/10/22 10:18	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		06/10/22 10:18	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		06/10/22 10:18	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		06/10/22 10:18	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 10:18	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		06/10/22 10:18	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		06/10/22 10:18	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/10/22 10:18	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		06/10/22 10:18	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		06/10/22 10:18	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		06/10/22 10:18	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/10/22 10:18	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/10/22 10:18	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/10/22 10:18	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		06/10/22 10:18	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 10:18	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: MW-6 **Lab ID: 40246149013** Collected: 06/07/22 12:15 Received: 06/08/22 09:25 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		06/10/22 10:18	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		06/10/22 10:18	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/10/22 10:18	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/10/22 10:18	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		06/10/22 10:18	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/10/22 10:18	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/10/22 10:18	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		06/10/22 10:18	79-00-5	
Trichloroethene	**1.7**	ug/L	1.0	0.32	1		06/10/22 10:18	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/10/22 10:18	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		06/10/22 10:18	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		06/10/22 10:18	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 10:18	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/10/22 10:18	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		06/10/22 10:18	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		06/10/22 10:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/10/22 10:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		06/10/22 10:18	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		06/10/22 10:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: MW-7A **Lab ID: 40246149014** Collected: 06/07/22 12:26 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/09/22 14:53	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 14:53	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/09/22 14:53	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 14:53	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		06/09/22 14:53	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/09/22 14:53	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 14:53	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/09/22 14:53	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		06/09/22 14:53	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/09/22 14:53	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 14:53	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/09/22 14:53	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		06/09/22 14:53	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/09/22 14:53	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 14:53	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 14:53	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/09/22 14:53	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/09/22 14:53	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/09/22 14:53	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/09/22 14:53	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 14:53	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 14:53	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/09/22 14:53	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/09/22 14:53	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 14:53	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/09/22 14:53	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/09/22 14:53	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		06/09/22 14:53	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		06/09/22 14:53	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/09/22 14:53	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 14:53	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		06/09/22 14:53	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 14:53	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 14:53	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		06/09/22 14:53	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 14:53	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 14:53	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		06/09/22 14:53	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		06/09/22 14:53	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 14:53	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/09/22 14:53	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 14:53	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/09/22 14:53	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 14:53	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 14:53	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: MW-7A **Lab ID: 40246149014** Collected: 06/07/22 12:26 Received: 06/08/22 09:25 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		06/09/22 14:53	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		06/09/22 14:53	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 14:53	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/09/22 14:53	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 14:53	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/09/22 14:53	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 14:53	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		06/09/22 14:53	79-00-5	
Trichloroethene	**17.7**	ug/L	1.0	0.32	1		06/09/22 14:53	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 14:53	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		06/09/22 14:53	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		06/09/22 14:53	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 14:53	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/09/22 14:53	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		06/09/22 14:53	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 14:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		06/09/22 14:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		06/09/22 14:53	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		06/09/22 14:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: MW-7B **Lab ID: 40246149015** Collected: 06/07/22 12:36 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/09/22 15:12	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 15:12	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/09/22 15:12	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 15:12	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		06/09/22 15:12	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/09/22 15:12	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 15:12	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/09/22 15:12	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		06/09/22 15:12	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/09/22 15:12	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 15:12	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/09/22 15:12	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		06/09/22 15:12	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/09/22 15:12	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 15:12	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 15:12	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/09/22 15:12	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/09/22 15:12	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/09/22 15:12	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/09/22 15:12	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 15:12	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 15:12	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/09/22 15:12	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/09/22 15:12	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 15:12	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/09/22 15:12	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/09/22 15:12	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		06/09/22 15:12	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		06/09/22 15:12	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/09/22 15:12	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 15:12	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		06/09/22 15:12	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 15:12	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 15:12	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		06/09/22 15:12	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 15:12	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 15:12	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		06/09/22 15:12	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		06/09/22 15:12	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 15:12	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/09/22 15:12	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 15:12	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/09/22 15:12	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 15:12	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 15:12	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: MW-7B **Lab ID: 40246149015** Collected: 06/07/22 12:36 Received: 06/08/22 09:25 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		06/09/22 15:12	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		06/09/22 15:12	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 15:12	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/09/22 15:12	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 15:12	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/09/22 15:12	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 15:12	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		06/09/22 15:12	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		06/09/22 15:12	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 15:12	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		06/09/22 15:12	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		06/09/22 15:12	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 15:12	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/09/22 15:12	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		06/09/22 15:12	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 15:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		06/09/22 15:12	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		06/09/22 15:12	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		06/09/22 15:12	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: TW-4 **Lab ID: 40246149016** Collected: 06/07/22 11:20 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/09/22 15:32	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 15:32	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/09/22 15:32	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 15:32	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		06/09/22 15:32	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/09/22 15:32	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 15:32	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/09/22 15:32	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		06/09/22 15:32	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/09/22 15:32	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 15:32	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/09/22 15:32	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		06/09/22 15:32	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/09/22 15:32	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 15:32	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 15:32	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/09/22 15:32	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/09/22 15:32	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/09/22 15:32	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/09/22 15:32	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 15:32	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 15:32	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/09/22 15:32	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/09/22 15:32	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 15:32	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/09/22 15:32	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/09/22 15:32	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		06/09/22 15:32	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		06/09/22 15:32	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/09/22 15:32	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 15:32	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		06/09/22 15:32	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 15:32	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 15:32	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		06/09/22 15:32	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 15:32	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 15:32	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		06/09/22 15:32	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		06/09/22 15:32	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 15:32	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/09/22 15:32	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 15:32	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/09/22 15:32	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 15:32	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 15:32	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: TW-4 **Lab ID: 40246149016** Collected: 06/07/22 11:20 Received: 06/08/22 09:25 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		06/09/22 15:32	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		06/09/22 15:32	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 15:32	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/09/22 15:32	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 15:32	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/09/22 15:32	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 15:32	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		06/09/22 15:32	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		06/09/22 15:32	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 15:32	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		06/09/22 15:32	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		06/09/22 15:32	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 15:32	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/09/22 15:32	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		06/09/22 15:32	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 15:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/09/22 15:32	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		06/09/22 15:32	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		06/09/22 15:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: MW-9 **Lab ID: 40246149017** Collected: 06/07/22 12:57 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/09/22 15:51	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 15:51	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/09/22 15:51	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 15:51	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		06/09/22 15:51	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/09/22 15:51	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 15:51	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/09/22 15:51	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		06/09/22 15:51	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/09/22 15:51	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 15:51	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/09/22 15:51	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		06/09/22 15:51	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/09/22 15:51	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 15:51	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 15:51	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/09/22 15:51	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/09/22 15:51	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/09/22 15:51	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/09/22 15:51	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 15:51	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 15:51	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/09/22 15:51	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/09/22 15:51	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 15:51	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/09/22 15:51	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/09/22 15:51	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		06/09/22 15:51	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		06/09/22 15:51	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/09/22 15:51	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 15:51	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		06/09/22 15:51	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 15:51	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 15:51	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		06/09/22 15:51	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 15:51	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 15:51	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		06/09/22 15:51	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		06/09/22 15:51	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 15:51	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/09/22 15:51	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 15:51	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/09/22 15:51	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 15:51	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 15:51	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: MW-9 **Lab ID: 40246149017** Collected: 06/07/22 12:57 Received: 06/08/22 09:25 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		06/09/22 15:51	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		06/09/22 15:51	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 15:51	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/09/22 15:51	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 15:51	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/09/22 15:51	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 15:51	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		06/09/22 15:51	79-00-5	
Trichloroethene	**0.82J**	ug/L	1.0	0.32	1		06/09/22 15:51	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 15:51	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		06/09/22 15:51	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		06/09/22 15:51	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 15:51	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/09/22 15:51	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		06/09/22 15:51	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 15:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		06/09/22 15:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		06/09/22 15:51	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		06/09/22 15:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: MW-8 **Lab ID: 40246149018** Collected: 06/07/22 13:08 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<14.8**	ug/L	50.0	14.8	50		06/09/22 17:48	71-43-2	
Bromobenzene	**<18.0**	ug/L	50.0	18.0	50		06/09/22 17:48	108-86-1	
Bromochloromethane	**<17.9**	ug/L	250	17.9	50		06/09/22 17:48	74-97-5	
Bromodichloromethane	**<20.8**	ug/L	50.0	20.8	50		06/09/22 17:48	75-27-4	
Bromoform	**<190**	ug/L	250	190	50		06/09/22 17:48	75-25-2	
Bromomethane	**<59.6**	ug/L	250	59.6	50		06/09/22 17:48	74-83-9	
n-Butylbenzene	**<42.9**	ug/L	50.0	42.9	50		06/09/22 17:48	104-51-8	
sec-Butylbenzene	**<21.2**	ug/L	50.0	21.2	50		06/09/22 17:48	135-98-8	
tert-Butylbenzene	**<29.3**	ug/L	50.0	29.3	50		06/09/22 17:48	98-06-6	
Carbon tetrachloride	**<18.5**	ug/L	50.0	18.5	50		06/09/22 17:48	56-23-5	
Chlorobenzene	**<42.8**	ug/L	50.0	42.8	50		06/09/22 17:48	108-90-7	
Chloroethane	**<69.0**	ug/L	250	69.0	50		06/09/22 17:48	75-00-3	
Chloroform	**<59.1**	ug/L	250	59.1	50		06/09/22 17:48	67-66-3	
Chloromethane	**<81.8**	ug/L	250	81.8	50		06/09/22 17:48	74-87-3	
2-Chlorotoluene	**<44.5**	ug/L	250	44.5	50		06/09/22 17:48	95-49-8	
4-Chlorotoluene	**<44.7**	ug/L	250	44.7	50		06/09/22 17:48	106-43-4	
1,2-Dibromo-3-chloropropane	**<118**	ug/L	250	118	50		06/09/22 17:48	96-12-8	
Dibromochloromethane	**<132**	ug/L	250	132	50		06/09/22 17:48	124-48-1	
1,2-Dibromoethane (EDB)	**<15.5**	ug/L	50.0	15.5	50		06/09/22 17:48	106-93-4	
Dibromomethane	**<49.5**	ug/L	250	49.5	50		06/09/22 17:48	74-95-3	
1,2-Dichlorobenzene	**<16.3**	ug/L	50.0	16.3	50		06/09/22 17:48	95-50-1	
1,3-Dichlorobenzene	**<17.6**	ug/L	50.0	17.6	50		06/09/22 17:48	541-73-1	
1,4-Dichlorobenzene	**<44.6**	ug/L	50.0	44.6	50		06/09/22 17:48	106-46-7	
Dichlorodifluoromethane	**<22.8**	ug/L	250	22.8	50		06/09/22 17:48	75-71-8	
1,1-Dichloroethane	**<14.8**	ug/L	50.0	14.8	50		06/09/22 17:48	75-34-3	
1,2-Dichloroethane	**<14.6**	ug/L	50.0	14.6	50		06/09/22 17:48	107-06-2	
1,1-Dichloroethene	**<29.1**	ug/L	50.0	29.1	50		06/09/22 17:48	75-35-4	
cis-1,2-Dichloroethene	**<23.6**	ug/L	50.0	23.6	50		06/09/22 17:48	156-59-2	
trans-1,2-Dichloroethene	**<26.4**	ug/L	50.0	26.4	50		06/09/22 17:48	156-60-5	
1,2-Dichloropropane	**<22.4**	ug/L	50.0	22.4	50		06/09/22 17:48	78-87-5	
1,3-Dichloropropane	**<15.2**	ug/L	50.0	15.2	50		06/09/22 17:48	142-28-9	
2,2-Dichloropropane	**<209**	ug/L	250	209	50		06/09/22 17:48	594-20-7	
1,1-Dichloropropene	**<20.5**	ug/L	50.0	20.5	50		06/09/22 17:48	563-58-6	
cis-1,3-Dichloropropene	**<17.9**	ug/L	50.0	17.9	50		06/09/22 17:48	10061-01-5	
trans-1,3-Dichloropropene	**<173**	ug/L	250	173	50		06/09/22 17:48	10061-02-6	
Diisopropyl ether	**<55.0**	ug/L	250	55.0	50		06/09/22 17:48	108-20-3	
Ethylbenzene	**<16.3**	ug/L	50.0	16.3	50		06/09/22 17:48	100-41-4	
Hexachloro-1,3-butadiene	**<137**	ug/L	250	137	50		06/09/22 17:48	87-68-3	
Isopropylbenzene (Cumene)	**<50.0**	ug/L	250	50.0	50		06/09/22 17:48	98-82-8	
p-Isopropyltoluene	**<52.2**	ug/L	250	52.2	50		06/09/22 17:48	99-87-6	
Methylene Chloride	**<16.0**	ug/L	250	16.0	50		06/09/22 17:48	75-09-2	
Methyl-tert-butyl ether	**<56.5**	ug/L	250	56.5	50		06/09/22 17:48	1634-04-4	
Naphthalene	**<56.5**	ug/L	250	56.5	50		06/09/22 17:48	91-20-3	
n-Propylbenzene	**<17.3**	ug/L	50.0	17.3	50		06/09/22 17:48	103-65-1	
Styrene	**<17.8**	ug/L	50.0	17.8	50		06/09/22 17:48	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: MW-8 **Lab ID: 40246149018** Collected: 06/07/22 13:08 Received: 06/08/22 09:25 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	**<17.8**	ug/L	50.0	17.8	50		06/09/22 17:48	630-20-6	
1,1,2,2-Tetrachloroethane	**<18.9**	ug/L	50.0	18.9	50		06/09/22 17:48	79-34-5	
Tetrachloroethene	**<20.4**	ug/L	50.0	20.4	50		06/09/22 17:48	127-18-4	
Toluene	**<14.4**	ug/L	50.0	14.4	50		06/09/22 17:48	108-88-3	
1,2,3-Trichlorobenzene	**<50.9**	ug/L	250	50.9	50		06/09/22 17:48	87-61-6	
1,2,4-Trichlorobenzene	**<47.5**	ug/L	250	47.5	50		06/09/22 17:48	120-82-1	
1,1,1-Trichloroethane	**<15.1**	ug/L	50.0	15.1	50		06/09/22 17:48	71-55-6	
1,1,2-Trichloroethane	**<17.2**	ug/L	250	17.2	50		06/09/22 17:48	79-00-5	
Trichloroethene	**5290**	ug/L	50.0	16.0	50		06/09/22 17:48	79-01-6	
Trichlorofluoromethane	**<20.9**	ug/L	50.0	20.9	50		06/09/22 17:48	75-69-4	
1,2,3-Trichloropropane	**<27.8**	ug/L	250	27.8	50		06/09/22 17:48	96-18-4	
1,2,4-Trimethylbenzene	**<22.4**	ug/L	50.0	22.4	50		06/09/22 17:48	95-63-6	
1,3,5-Trimethylbenzene	**<17.9**	ug/L	50.0	17.9	50		06/09/22 17:48	108-67-8	
Vinyl chloride	**<8.7**	ug/L	50.0	8.7	50		06/09/22 17:48	75-01-4	
m&p-Xylene	**<35.0**	ug/L	100	35.0	50		06/09/22 17:48	179601-23-1	
o-Xylene	**<17.4**	ug/L	50.0	17.4	50		06/09/22 17:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		50		06/09/22 17:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		50		06/09/22 17:48	2199-69-1	
Toluene-d8 (S)	102	%	70-130		50		06/09/22 17:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: TW-8 **Lab ID: 40246149019** Collected: 06/07/22 12:43 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/09/22 16:11	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 16:11	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/09/22 16:11	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 16:11	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		06/09/22 16:11	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/09/22 16:11	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 16:11	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/09/22 16:11	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		06/09/22 16:11	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/09/22 16:11	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/09/22 16:11	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/09/22 16:11	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		06/09/22 16:11	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/09/22 16:11	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 16:11	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/09/22 16:11	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/09/22 16:11	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/09/22 16:11	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/09/22 16:11	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/09/22 16:11	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 16:11	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 16:11	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/09/22 16:11	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/09/22 16:11	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 16:11	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/09/22 16:11	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/09/22 16:11	75-35-4	
cis-1,2-Dichloroethene	**1.5**	ug/L	1.0	0.47	1		06/09/22 16:11	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		06/09/22 16:11	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/09/22 16:11	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 16:11	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		06/09/22 16:11	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 16:11	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 16:11	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		06/09/22 16:11	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 16:11	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/09/22 16:11	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		06/09/22 16:11	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		06/09/22 16:11	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 16:11	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/09/22 16:11	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/09/22 16:11	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/09/22 16:11	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 16:11	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 16:11	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: TW-8 **Lab ID: 40246149019** Collected: 06/07/22 12:43 Received: 06/08/22 09:25 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		06/09/22 16:11	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		06/09/22 16:11	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/09/22 16:11	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/09/22 16:11	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		06/09/22 16:11	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/09/22 16:11	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/09/22 16:11	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		06/09/22 16:11	79-00-5	
Trichloroethene	**6.6**	ug/L	1.0	0.32	1		06/09/22 16:11	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/09/22 16:11	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		06/09/22 16:11	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		06/09/22 16:11	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		06/09/22 16:11	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/09/22 16:11	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		06/09/22 16:11	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		06/09/22 16:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		06/09/22 16:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		06/09/22 16:11	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		06/09/22 16:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: TW-11 **Lab ID: 40246149020** Collected: 06/07/22 13:30 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<59.1**	ug/L	200	59.1	200		06/09/22 18:07	71-43-2	
Bromobenzene	**<72.2**	ug/L	200	72.2	200		06/09/22 18:07	108-86-1	
Bromochloromethane	**<71.6**	ug/L	1000	71.6	200		06/09/22 18:07	74-97-5	
Bromodichloromethane	**<83.1**	ug/L	200	83.1	200		06/09/22 18:07	75-27-4	
Bromoform	**<760**	ug/L	1000	760	200		06/09/22 18:07	75-25-2	
Bromomethane	**<238**	ug/L	1000	238	200		06/09/22 18:07	74-83-9	
n-Butylbenzene	**<171**	ug/L	200	171	200		06/09/22 18:07	104-51-8	
sec-Butylbenzene	**<84.8**	ug/L	200	84.8	200		06/09/22 18:07	135-98-8	
tert-Butylbenzene	**<117**	ug/L	200	117	200		06/09/22 18:07	98-06-6	
Carbon tetrachloride	**<73.9**	ug/L	200	73.9	200		06/09/22 18:07	56-23-5	
Chlorobenzene	**<171**	ug/L	200	171	200		06/09/22 18:07	108-90-7	
Chloroethane	**<276**	ug/L	1000	276	200		06/09/22 18:07	75-00-3	
Chloroform	**<237**	ug/L	1000	237	200		06/09/22 18:07	67-66-3	
Chloromethane	**<327**	ug/L	1000	327	200		06/09/22 18:07	74-87-3	
2-Chlorotoluene	**<178**	ug/L	1000	178	200		06/09/22 18:07	95-49-8	
4-Chlorotoluene	**<179**	ug/L	1000	179	200		06/09/22 18:07	106-43-4	
1,2-Dibromo-3-chloropropane	**<473**	ug/L	1000	473	200		06/09/22 18:07	96-12-8	
Dibromochloromethane	**<529**	ug/L	1000	529	200		06/09/22 18:07	124-48-1	
1,2-Dibromoethane (EDB)	**<61.8**	ug/L	200	61.8	200		06/09/22 18:07	106-93-4	
Dibromomethane	**<198**	ug/L	1000	198	200		06/09/22 18:07	74-95-3	
1,2-Dichlorobenzene	**<65.2**	ug/L	200	65.2	200		06/09/22 18:07	95-50-1	
1,3-Dichlorobenzene	**<70.2**	ug/L	200	70.2	200		06/09/22 18:07	541-73-1	
1,4-Dichlorobenzene	**<178**	ug/L	200	178	200		06/09/22 18:07	106-46-7	
Dichlorodifluoromethane	**<91.1**	ug/L	1000	91.1	200		06/09/22 18:07	75-71-8	
1,1-Dichloroethane	**<59.1**	ug/L	200	59.1	200		06/09/22 18:07	75-34-3	
1,2-Dichloroethane	**<58.3**	ug/L	200	58.3	200		06/09/22 18:07	107-06-2	
1,1-Dichloroethene	**<116**	ug/L	200	116	200		06/09/22 18:07	75-35-4	
cis-1,2-Dichloroethene	**1160**	ug/L	200	94.3	200		06/09/22 18:07	156-59-2	
trans-1,2-Dichloroethene	**<106**	ug/L	200	106	200		06/09/22 18:07	156-60-5	
1,2-Dichloropropane	**<89.6**	ug/L	200	89.6	200		06/09/22 18:07	78-87-5	
1,3-Dichloropropane	**<61.0**	ug/L	200	61.0	200		06/09/22 18:07	142-28-9	
2,2-Dichloropropane	**<836**	ug/L	1000	836	200		06/09/22 18:07	594-20-7	
1,1-Dichloropropene	**<82.1**	ug/L	200	82.1	200		06/09/22 18:07	563-58-6	
cis-1,3-Dichloropropene	**<71.6**	ug/L	200	71.6	200		06/09/22 18:07	10061-01-5	
trans-1,3-Dichloropropene	**<692**	ug/L	1000	692	200		06/09/22 18:07	10061-02-6	
Diisopropyl ether	**<220**	ug/L	1000	220	200		06/09/22 18:07	108-20-3	
Ethylbenzene	**<65.0**	ug/L	200	65.0	200		06/09/22 18:07	100-41-4	
Hexachloro-1,3-butadiene	**<547**	ug/L	1000	547	200		06/09/22 18:07	87-68-3	
Isopropylbenzene (Cumene)	**<200**	ug/L	1000	200	200		06/09/22 18:07	98-82-8	
p-Isopropyltoluene	**<209**	ug/L	1000	209	200		06/09/22 18:07	99-87-6	
Methylene Chloride	**<63.9**	ug/L	1000	63.9	200		06/09/22 18:07	75-09-2	
Methyl-tert-butyl ether	**<226**	ug/L	1000	226	200		06/09/22 18:07	1634-04-4	
Naphthalene	**<226**	ug/L	1000	226	200		06/09/22 18:07	91-20-3	
n-Propylbenzene	**<69.1**	ug/L	200	69.1	200		06/09/22 18:07	103-65-1	
Styrene	**<71.3**	ug/L	200	71.3	200		06/09/22 18:07	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: TW-11 **Lab ID: 40246149020** Collected: 06/07/22 13:30 Received: 06/08/22 09:25 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	**<71.1**	ug/L	200	71.1	200		06/09/22 18:07	630-20-6	
1,1,2,2-Tetrachloroethane	**<75.6**	ug/L	200	75.6	200		06/09/22 18:07	79-34-5	
Tetrachloroethene	**<81.7**	ug/L	200	81.7	200		06/09/22 18:07	127-18-4	
Toluene	**<57.6**	ug/L	200	57.6	200		06/09/22 18:07	108-88-3	
1,2,3-Trichlorobenzene	**<204**	ug/L	1000	204	200		06/09/22 18:07	87-61-6	
1,2,4-Trichlorobenzene	**<190**	ug/L	1000	190	200		06/09/22 18:07	120-82-1	
1,1,1-Trichloroethane	**<60.5**	ug/L	200	60.5	200		06/09/22 18:07	71-55-6	
1,1,2-Trichloroethane	**<68.9**	ug/L	1000	68.9	200		06/09/22 18:07	79-00-5	
Trichloroethene	**29600**	ug/L	200	63.9	200		06/09/22 18:07	79-01-6	
Trichlorofluoromethane	**<83.7**	ug/L	200	83.7	200		06/09/22 18:07	75-69-4	
1,2,3-Trichloropropane	**<111**	ug/L	1000	111	200		06/09/22 18:07	96-18-4	
1,2,4-Trimethylbenzene	**<89.7**	ug/L	200	89.7	200		06/09/22 18:07	95-63-6	
1,3,5-Trimethylbenzene	**<71.5**	ug/L	200	71.5	200		06/09/22 18:07	108-67-8	
Vinyl chloride	**<34.9**	ug/L	200	34.9	200		06/09/22 18:07	75-01-4	
m&p-Xylene	**<140**	ug/L	400	140	200		06/09/22 18:07	179601-23-1	
o-Xylene	**<69.6**	ug/L	200	69.6	200		06/09/22 18:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		200		06/09/22 18:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		200		06/09/22 18:07	2199-69-1	
Toluene-d8 (S)	100	%	70-130		200		06/09/22 18:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: TW-20 **Lab ID: 40246149021** Collected: 06/07/22 14:00 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<7.4**	ug/L	25.0	7.4	25		06/10/22 14:26	71-43-2	
Bromobenzene	**<9.0**	ug/L	25.0	9.0	25		06/10/22 14:26	108-86-1	
Bromochloromethane	**<8.9**	ug/L	125	8.9	25		06/10/22 14:26	74-97-5	
Bromodichloromethane	**<10.4**	ug/L	25.0	10.4	25		06/10/22 14:26	75-27-4	
Bromoform	**<95.0**	ug/L	125	95.0	25		06/10/22 14:26	75-25-2	
Bromomethane	**<29.8**	ug/L	125	29.8	25		06/10/22 14:26	74-83-9	
n-Butylbenzene	**<21.4**	ug/L	25.0	21.4	25		06/10/22 14:26	104-51-8	
sec-Butylbenzene	**<10.6**	ug/L	25.0	10.6	25		06/10/22 14:26	135-98-8	
tert-Butylbenzene	**<14.7**	ug/L	25.0	14.7	25		06/10/22 14:26	98-06-6	
Carbon tetrachloride	**<9.2**	ug/L	25.0	9.2	25		06/10/22 14:26	56-23-5	
Chlorobenzene	**<21.4**	ug/L	25.0	21.4	25		06/10/22 14:26	108-90-7	
Chloroethane	**<34.5**	ug/L	125	34.5	25		06/10/22 14:26	75-00-3	
Chloroform	**<29.6**	ug/L	125	29.6	25		06/10/22 14:26	67-66-3	
Chloromethane	**<40.9**	ug/L	125	40.9	25		06/10/22 14:26	74-87-3	
2-Chlorotoluene	**<22.2**	ug/L	125	22.2	25		06/10/22 14:26	95-49-8	
4-Chlorotoluene	**<22.4**	ug/L	125	22.4	25		06/10/22 14:26	106-43-4	
1,2-Dibromo-3-chloropropane	**<59.2**	ug/L	125	59.2	25		06/10/22 14:26	96-12-8	
Dibromochloromethane	**<66.1**	ug/L	125	66.1	25		06/10/22 14:26	124-48-1	
1,2-Dibromoethane (EDB)	**<7.7**	ug/L	25.0	7.7	25		06/10/22 14:26	106-93-4	
Dibromomethane	**<24.8**	ug/L	125	24.8	25		06/10/22 14:26	74-95-3	
1,2-Dichlorobenzene	**<8.1**	ug/L	25.0	8.1	25		06/10/22 14:26	95-50-1	
1,3-Dichlorobenzene	**<8.8**	ug/L	25.0	8.8	25		06/10/22 14:26	541-73-1	
1,4-Dichlorobenzene	**<22.3**	ug/L	25.0	22.3	25		06/10/22 14:26	106-46-7	
Dichlorodifluoromethane	**<11.4**	ug/L	125	11.4	25		06/10/22 14:26	75-71-8	
1,1-Dichloroethane	**<7.4**	ug/L	25.0	7.4	25		06/10/22 14:26	75-34-3	
1,2-Dichloroethane	**<7.3**	ug/L	25.0	7.3	25		06/10/22 14:26	107-06-2	
1,1-Dichloroethene	**<14.6**	ug/L	25.0	14.6	25		06/10/22 14:26	75-35-4	
cis-1,2-Dichloroethene	**166**	ug/L	25.0	11.8	25		06/10/22 14:26	156-59-2	
trans-1,2-Dichloroethene	**<13.2**	ug/L	25.0	13.2	25		06/10/22 14:26	156-60-5	
1,2-Dichloropropane	**<11.2**	ug/L	25.0	11.2	25		06/10/22 14:26	78-87-5	
1,3-Dichloropropane	**<7.6**	ug/L	25.0	7.6	25		06/10/22 14:26	142-28-9	
2,2-Dichloropropane	**<104**	ug/L	125	104	25		06/10/22 14:26	594-20-7	
1,1-Dichloropropene	**<10.3**	ug/L	25.0	10.3	25		06/10/22 14:26	563-58-6	
cis-1,3-Dichloropropene	**<9.0**	ug/L	25.0	9.0	25		06/10/22 14:26	10061-01-5	
trans-1,3-Dichloropropene	**<86.6**	ug/L	125	86.6	25		06/10/22 14:26	10061-02-6	
Diisopropyl ether	**<27.5**	ug/L	125	27.5	25		06/10/22 14:26	108-20-3	
Ethylbenzene	**<8.1**	ug/L	25.0	8.1	25		06/10/22 14:26	100-41-4	
Hexachloro-1,3-butadiene	**<68.4**	ug/L	125	68.4	25		06/10/22 14:26	87-68-3	
Isopropylbenzene (Cumene)	**<25.0**	ug/L	125	25.0	25		06/10/22 14:26	98-82-8	
p-Isopropyltoluene	**<26.1**	ug/L	125	26.1	25		06/10/22 14:26	99-87-6	
Methylene Chloride	**<8.0**	ug/L	125	8.0	25		06/10/22 14:26	75-09-2	
Methyl-tert-butyl ether	**<28.2**	ug/L	125	28.2	25		06/10/22 14:26	1634-04-4	
Naphthalene	**<28.2**	ug/L	125	28.2	25		06/10/22 14:26	91-20-3	
n-Propylbenzene	**<8.6**	ug/L	25.0	8.6	25		06/10/22 14:26	103-65-1	
Styrene	**<8.9**	ug/L	25.0	8.9	25		06/10/22 14:26	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: TW-20 **Lab ID: 40246149021** Collected: 06/07/22 14:00 Received: 06/08/22 09:25 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		06/10/22 14:26	630-20-6	
1,1,2,2-Tetrachloroethane	**<9.4**	ug/L	25.0	9.4	25		06/10/22 14:26	79-34-5	
Tetrachloroethene	**<10.2**	ug/L	25.0	10.2	25		06/10/22 14:26	127-18-4	
Toluene	**<7.2**	ug/L	25.0	7.2	25		06/10/22 14:26	108-88-3	
1,2,3-Trichlorobenzene	**<25.5**	ug/L	125	25.5	25		06/10/22 14:26	87-61-6	
1,2,4-Trichlorobenzene	**<23.8**	ug/L	125	23.8	25		06/10/22 14:26	120-82-1	
1,1,1-Trichloroethane	**<7.6**	ug/L	25.0	7.6	25		06/10/22 14:26	71-55-6	
1,1,2-Trichloroethane	**<8.6**	ug/L	125	8.6	25		06/10/22 14:26	79-00-5	
Trichloroethene	**2390**	ug/L	25.0	8.0	25		06/10/22 14:26	79-01-6	
Trichlorofluoromethane	**<10.5**	ug/L	25.0	10.5	25		06/10/22 14:26	75-69-4	
1,2,3-Trichloropropane	**<13.9**	ug/L	125	13.9	25		06/10/22 14:26	96-18-4	
1,2,4-Trimethylbenzene	**<11.2**	ug/L	25.0	11.2	25		06/10/22 14:26	95-63-6	
1,3,5-Trimethylbenzene	**<8.9**	ug/L	25.0	8.9	25		06/10/22 14:26	108-67-8	
Vinyl chloride	**<4.4**	ug/L	25.0	4.4	25		06/10/22 14:26	75-01-4	
m&p-Xylene	**<17.5**	ug/L	50.0	17.5	25		06/10/22 14:26	179601-23-1	
o-Xylene	**<8.7**	ug/L	25.0	8.7	25		06/10/22 14:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		25		06/10/22 14:26	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		25		06/10/22 14:26	2199-69-1	
Toluene-d8 (S)	98	%	70-130		25		06/10/22 14:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: TW-18 **Lab ID: 40246149022** Collected: 06/07/22 13:45 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<1480**	ug/L	5000	1480	5000		06/10/22 13:52	71-43-2	
Bromobenzene	**<1800**	ug/L	5000	1800	5000		06/10/22 13:52	108-86-1	
Bromochloromethane	**<1790**	ug/L	25000	1790	5000		06/10/22 13:52	74-97-5	
Bromodichloromethane	**<2080**	ug/L	5000	2080	5000		06/10/22 13:52	75-27-4	
Bromoform	**<19000**	ug/L	25000	19000	5000		06/10/22 13:52	75-25-2	
Bromomethane	**<5960**	ug/L	25000	5960	5000		06/10/22 13:52	74-83-9	
n-Butylbenzene	**<4290**	ug/L	5000	4290	5000		06/10/22 13:52	104-51-8	
sec-Butylbenzene	**<2120**	ug/L	5000	2120	5000		06/10/22 13:52	135-98-8	
tert-Butylbenzene	**<2930**	ug/L	5000	2930	5000		06/10/22 13:52	98-06-6	
Carbon tetrachloride	**<1850**	ug/L	5000	1850	5000		06/10/22 13:52	56-23-5	
Chlorobenzene	**<4280**	ug/L	5000	4280	5000		06/10/22 13:52	108-90-7	
Chloroethane	**<6900**	ug/L	25000	6900	5000		06/10/22 13:52	75-00-3	
Chloroform	**<5910**	ug/L	25000	5910	5000		06/10/22 13:52	67-66-3	
Chloromethane	**<8180**	ug/L	25000	8180	5000		06/10/22 13:52	74-87-3	
2-Chlorotoluene	**<4450**	ug/L	25000	4450	5000		06/10/22 13:52	95-49-8	
4-Chlorotoluene	**<4470**	ug/L	25000	4470	5000		06/10/22 13:52	106-43-4	
1,2-Dibromo-3-chloropropane	**<11800**	ug/L	25000	11800	5000		06/10/22 13:52	96-12-8	
Dibromochloromethane	**<13200**	ug/L	25000	13200	5000		06/10/22 13:52	124-48-1	
1,2-Dibromoethane (EDB)	**<1550**	ug/L	5000	1550	5000		06/10/22 13:52	106-93-4	
Dibromomethane	**<4950**	ug/L	25000	4950	5000		06/10/22 13:52	74-95-3	
1,2-Dichlorobenzene	**<1630**	ug/L	5000	1630	5000		06/10/22 13:52	95-50-1	
1,3-Dichlorobenzene	**<1760**	ug/L	5000	1760	5000		06/10/22 13:52	541-73-1	
1,4-Dichlorobenzene	**<4460**	ug/L	5000	4460	5000		06/10/22 13:52	106-46-7	
Dichlorodifluoromethane	**<2280**	ug/L	25000	2280	5000		06/10/22 13:52	75-71-8	
1,1-Dichloroethane	**<1480**	ug/L	5000	1480	5000		06/10/22 13:52	75-34-3	
1,2-Dichloroethane	**<1460**	ug/L	5000	1460	5000		06/10/22 13:52	107-06-2	
1,1-Dichloroethene	**<2910**	ug/L	5000	2910	5000		06/10/22 13:52	75-35-4	
cis-1,2-Dichloroethene	**5810**	ug/L	5000	2360	5000		06/10/22 13:52	156-59-2	
trans-1,2-Dichloroethene	**<2640**	ug/L	5000	2640	5000		06/10/22 13:52	156-60-5	
1,2-Dichloropropane	**<2240**	ug/L	5000	2240	5000		06/10/22 13:52	78-87-5	
1,3-Dichloropropane	**<1520**	ug/L	5000	1520	5000		06/10/22 13:52	142-28-9	
2,2-Dichloropropane	**<20900**	ug/L	25000	20900	5000		06/10/22 13:52	594-20-7	
1,1-Dichloropropene	**<2050**	ug/L	5000	2050	5000		06/10/22 13:52	563-58-6	
cis-1,3-Dichloropropene	**<1790**	ug/L	5000	1790	5000		06/10/22 13:52	10061-01-5	
trans-1,3-Dichloropropene	**<17300**	ug/L	25000	17300	5000		06/10/22 13:52	10061-02-6	
Diisopropyl ether	**<5500**	ug/L	25000	5500	5000		06/10/22 13:52	108-20-3	
Ethylbenzene	**<1630**	ug/L	5000	1630	5000		06/10/22 13:52	100-41-4	
Hexachloro-1,3-butadiene	**<13700**	ug/L	25000	13700	5000		06/10/22 13:52	87-68-3	
Isopropylbenzene (Cumene)	**<5000**	ug/L	25000	5000	5000		06/10/22 13:52	98-82-8	
p-Isopropyltoluene	**<5220**	ug/L	25000	5220	5000		06/10/22 13:52	99-87-6	
Methylene Chloride	**<1600**	ug/L	25000	1600	5000		06/10/22 13:52	75-09-2	
Methyl-tert-butyl ether	**<5650**	ug/L	25000	5650	5000		06/10/22 13:52	1634-04-4	
Naphthalene	**<5650**	ug/L	25000	5650	5000		06/10/22 13:52	91-20-3	
n-Propylbenzene	**<1730**	ug/L	5000	1730	5000		06/10/22 13:52	103-65-1	
Styrene	**<1780**	ug/L	5000	1780	5000		06/10/22 13:52	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: TW-18 **Lab ID: 40246149022** Collected: 06/07/22 13:45 Received: 06/08/22 09:25 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	**<1780**	ug/L	5000	1780	5000		06/10/22 13:52	630-20-6	
1,1,2,2-Tetrachloroethane	**<1890**	ug/L	5000	1890	5000		06/10/22 13:52	79-34-5	
Tetrachloroethene	**<2040**	ug/L	5000	2040	5000		06/10/22 13:52	127-18-4	
Toluene	**<1440**	ug/L	5000	1440	5000		06/10/22 13:52	108-88-3	
1,2,3-Trichlorobenzene	**<5090**	ug/L	25000	5090	5000		06/10/22 13:52	87-61-6	
1,2,4-Trichlorobenzene	**<4750**	ug/L	25000	4750	5000		06/10/22 13:52	120-82-1	
1,1,1-Trichloroethane	**<1510**	ug/L	5000	1510	5000		06/10/22 13:52	71-55-6	
1,1,2-Trichloroethane	**<1720**	ug/L	25000	1720	5000		06/10/22 13:52	79-00-5	
Trichloroethene	**468000**	ug/L	5000	1600	5000		06/10/22 13:52	79-01-6	
Trichlorofluoromethane	**<2090**	ug/L	5000	2090	5000		06/10/22 13:52	75-69-4	
1,2,3-Trichloropropane	**<2780**	ug/L	25000	2780	5000		06/10/22 13:52	96-18-4	
1,2,4-Trimethylbenzene	**<2240**	ug/L	5000	2240	5000		06/10/22 13:52	95-63-6	
1,3,5-Trimethylbenzene	**<1790**	ug/L	5000	1790	5000		06/10/22 13:52	108-67-8	
Vinyl chloride	**<872**	ug/L	5000	872	5000		06/10/22 13:52	75-01-4	
m&p-Xylene	**<3500**	ug/L	10000	3500	5000		06/10/22 13:52	179601-23-1	
o-Xylene	**<1740**	ug/L	5000	1740	5000		06/10/22 13:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		5000		06/10/22 13:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		5000		06/10/22 13:52	2199-69-1	
Toluene-d8 (S)	99	%	70-130		5000		06/10/22 13:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: DUP-01 **Lab ID: 40246149023** Collected: 06/07/22 00:00 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<29.5**	ug/L	100	29.5	100		06/10/22 14:09	71-43-2	
Bromobenzene	**<36.1**	ug/L	100	36.1	100		06/10/22 14:09	108-86-1	
Bromochloromethane	**<35.8**	ug/L	500	35.8	100		06/10/22 14:09	74-97-5	
Bromodichloromethane	**<41.5**	ug/L	100	41.5	100		06/10/22 14:09	75-27-4	
Bromoform	**<380**	ug/L	500	380	100		06/10/22 14:09	75-25-2	
Bromomethane	**<119**	ug/L	500	119	100		06/10/22 14:09	74-83-9	
n-Butylbenzene	**<85.7**	ug/L	100	85.7	100		06/10/22 14:09	104-51-8	
sec-Butylbenzene	**<42.4**	ug/L	100	42.4	100		06/10/22 14:09	135-98-8	
tert-Butylbenzene	**<58.6**	ug/L	100	58.6	100		06/10/22 14:09	98-06-6	
Carbon tetrachloride	**<36.9**	ug/L	100	36.9	100		06/10/22 14:09	56-23-5	
Chlorobenzene	**<85.5**	ug/L	100	85.5	100		06/10/22 14:09	108-90-7	
Chloroethane	**<138**	ug/L	500	138	100		06/10/22 14:09	75-00-3	
Chloroform	**<118**	ug/L	500	118	100		06/10/22 14:09	67-66-3	
Chloromethane	**<164**	ug/L	500	164	100		06/10/22 14:09	74-87-3	
2-Chlorotoluene	**<89.0**	ug/L	500	89.0	100		06/10/22 14:09	95-49-8	
4-Chlorotoluene	**<89.4**	ug/L	500	89.4	100		06/10/22 14:09	106-43-4	
1,2-Dibromo-3-chloropropane	**<237**	ug/L	500	237	100		06/10/22 14:09	96-12-8	
Dibromochloromethane	**<264**	ug/L	500	264	100		06/10/22 14:09	124-48-1	
1,2-Dibromoethane (EDB)	**<30.9**	ug/L	100	30.9	100		06/10/22 14:09	106-93-4	
Dibromomethane	**<99.1**	ug/L	500	99.1	100		06/10/22 14:09	74-95-3	
1,2-Dichlorobenzene	**<32.6**	ug/L	100	32.6	100		06/10/22 14:09	95-50-1	
1,3-Dichlorobenzene	**<35.1**	ug/L	100	35.1	100		06/10/22 14:09	541-73-1	
1,4-Dichlorobenzene	**<89.2**	ug/L	100	89.2	100		06/10/22 14:09	106-46-7	
Dichlorodifluoromethane	**<45.5**	ug/L	500	45.5	100		06/10/22 14:09	75-71-8	
1,1-Dichloroethane	**<29.6**	ug/L	100	29.6	100		06/10/22 14:09	75-34-3	
1,2-Dichloroethane	**<29.2**	ug/L	100	29.2	100		06/10/22 14:09	107-06-2	
1,1-Dichloroethene	**<58.2**	ug/L	100	58.2	100		06/10/22 14:09	75-35-4	
cis-1,2-Dichloroethene	**<47.2**	ug/L	100	47.2	100		06/10/22 14:09	156-59-2	
trans-1,2-Dichloroethene	**<52.8**	ug/L	100	52.8	100		06/10/22 14:09	156-60-5	
1,2-Dichloropropane	**<44.8**	ug/L	100	44.8	100		06/10/22 14:09	78-87-5	
1,3-Dichloropropane	**<30.5**	ug/L	100	30.5	100		06/10/22 14:09	142-28-9	
2,2-Dichloropropane	**<418**	ug/L	500	418	100		06/10/22 14:09	594-20-7	
1,1-Dichloropropene	**<41.0**	ug/L	100	41.0	100		06/10/22 14:09	563-58-6	
cis-1,3-Dichloropropene	**<35.8**	ug/L	100	35.8	100		06/10/22 14:09	10061-01-5	
trans-1,3-Dichloropropene	**<346**	ug/L	500	346	100		06/10/22 14:09	10061-02-6	
Diisopropyl ether	**<110**	ug/L	500	110	100		06/10/22 14:09	108-20-3	
Ethylbenzene	**<32.5**	ug/L	100	32.5	100		06/10/22 14:09	100-41-4	
Hexachloro-1,3-butadiene	**<274**	ug/L	500	274	100		06/10/22 14:09	87-68-3	
Isopropylbenzene (Cumene)	**<100**	ug/L	500	100	100		06/10/22 14:09	98-82-8	
p-Isopropyltoluene	**<104**	ug/L	500	104	100		06/10/22 14:09	99-87-6	
Methylene Chloride	**<31.9**	ug/L	500	31.9	100		06/10/22 14:09	75-09-2	
Methyl-tert-butyl ether	**<113**	ug/L	500	113	100		06/10/22 14:09	1634-04-4	
Naphthalene	**<113**	ug/L	500	113	100		06/10/22 14:09	91-20-3	
n-Propylbenzene	**<34.5**	ug/L	100	34.5	100		06/10/22 14:09	103-65-1	
Styrene	**<35.6**	ug/L	100	35.6	100		06/10/22 14:09	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: DUP-01 **Lab ID: 40246149023** Collected: 06/07/22 00:00 Received: 06/08/22 09:25 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	**<35.5**	ug/L	100	35.5	100		06/10/22 14:09	630-20-6	
1,1,2,2-Tetrachloroethane	**<37.8**	ug/L	100	37.8	100		06/10/22 14:09	79-34-5	
Tetrachloroethene	**<40.9**	ug/L	100	40.9	100		06/10/22 14:09	127-18-4	
Toluene	**<28.8**	ug/L	100	28.8	100		06/10/22 14:09	108-88-3	
1,2,3-Trichlorobenzene	**<102**	ug/L	500	102	100		06/10/22 14:09	87-61-6	
1,2,4-Trichlorobenzene	**<95.1**	ug/L	500	95.1	100		06/10/22 14:09	120-82-1	
1,1,1-Trichloroethane	**<30.3**	ug/L	100	30.3	100		06/10/22 14:09	71-55-6	
1,1,2-Trichloroethane	**<34.4**	ug/L	500	34.4	100		06/10/22 14:09	79-00-5	
Trichloroethene	**5470**	ug/L	100	32.0	100		06/10/22 14:09	79-01-6	
Trichlorofluoromethane	**<41.9**	ug/L	100	41.9	100		06/10/22 14:09	75-69-4	
1,2,3-Trichloropropane	**<55.5**	ug/L	500	55.5	100		06/10/22 14:09	96-18-4	
1,2,4-Trimethylbenzene	**<44.9**	ug/L	100	44.9	100		06/10/22 14:09	95-63-6	
1,3,5-Trimethylbenzene	**<35.7**	ug/L	100	35.7	100		06/10/22 14:09	108-67-8	
Vinyl chloride	**<17.4**	ug/L	100	17.4	100		06/10/22 14:09	75-01-4	
m&p-Xylene	**<70.0**	ug/L	200	70.0	100		06/10/22 14:09	179601-23-1	
o-Xylene	**<34.8**	ug/L	100	34.8	100		06/10/22 14:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		100		06/10/22 14:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		100		06/10/22 14:09	2199-69-1	
Toluene-d8 (S)	99	%	70-130		100		06/10/22 14:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: TRIP BLANK **Lab ID: 40246149024** Collected: 06/07/22 00:00 Received: 06/08/22 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/10/22 11:01	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 11:01	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/10/22 11:01	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/10/22 11:01	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		06/10/22 11:01	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/10/22 11:01	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		06/10/22 11:01	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/10/22 11:01	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		06/10/22 11:01	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/10/22 11:01	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/10/22 11:01	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/10/22 11:01	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		06/10/22 11:01	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/10/22 11:01	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/10/22 11:01	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		06/10/22 11:01	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/10/22 11:01	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/10/22 11:01	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/10/22 11:01	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/10/22 11:01	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/10/22 11:01	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/10/22 11:01	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/10/22 11:01	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/10/22 11:01	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/10/22 11:01	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/10/22 11:01	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/10/22 11:01	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		06/10/22 11:01	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		06/10/22 11:01	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/10/22 11:01	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		06/10/22 11:01	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		06/10/22 11:01	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		06/10/22 11:01	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 11:01	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		06/10/22 11:01	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		06/10/22 11:01	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/10/22 11:01	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		06/10/22 11:01	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		06/10/22 11:01	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		06/10/22 11:01	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/10/22 11:01	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/10/22 11:01	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/10/22 11:01	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		06/10/22 11:01	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 11:01	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Sample: TRIP BLANK **Lab ID: 40246149024** Collected: 06/07/22 00:00 Received: 06/08/22 09:25 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		06/10/22 11:01	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		06/10/22 11:01	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/10/22 11:01	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/10/22 11:01	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		06/10/22 11:01	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/10/22 11:01	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/10/22 11:01	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		06/10/22 11:01	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		06/10/22 11:01	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/10/22 11:01	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		06/10/22 11:01	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		06/10/22 11:01	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		06/10/22 11:01	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/10/22 11:01	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		06/10/22 11:01	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		06/10/22 11:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/10/22 11:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		06/10/22 11:01	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		06/10/22 11:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

QC Batch: 417867
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40246149001, 40246149002, 40246149003, 40246149004, 40246149005, 40246149006, 40246149007, 40246149008, 40246149009, 40246149010, 40246149011, 40246149012, 40246149013, 40246149014, 40246149015, 40246149016, 40246149017, 40246149018, 40246149019, 40246149020

METHOD BLANK: 2406479
Matrix: Water
Associated Lab Samples: 40246149001, 40246149002, 40246149003, 40246149004, 40246149005, 40246149006, 40246149007, 40246149008, 40246149009, 40246149010, 40246149011, 40246149012, 40246149013, 40246149014, 40246149015, 40246149016, 40246149017, 40246149018, 40246149019, 40246149020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	06/09/22 10:40	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/09/22 10:40	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	06/09/22 10:40	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	06/09/22 10:40	
1,1-Dichloroethane	ug/L	<0.30	1.0	06/09/22 10:40	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/09/22 10:40	
1,1-Dichloropropene	ug/L	<0.41	1.0	06/09/22 10:40	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	06/09/22 10:40	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	06/09/22 10:40	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	06/09/22 10:40	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	06/09/22 10:40	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	06/09/22 10:40	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	06/09/22 10:40	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	06/09/22 10:40	
1,2-Dichloroethane	ug/L	<0.29	1.0	06/09/22 10:40	
1,2-Dichloropropane	ug/L	<0.45	1.0	06/09/22 10:40	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	06/09/22 10:40	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	06/09/22 10:40	
1,3-Dichloropropane	ug/L	<0.30	1.0	06/09/22 10:40	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	06/09/22 10:40	
2,2-Dichloropropane	ug/L	<4.2	5.0	06/09/22 10:40	
2-Chlorotoluene	ug/L	<0.89	5.0	06/09/22 10:40	
4-Chlorotoluene	ug/L	<0.89	5.0	06/09/22 10:40	
Benzene	ug/L	<0.30	1.0	06/09/22 10:40	
Bromobenzene	ug/L	<0.36	1.0	06/09/22 10:40	
Bromochloromethane	ug/L	<0.36	5.0	06/09/22 10:40	
Bromodichloromethane	ug/L	<0.42	1.0	06/09/22 10:40	
Bromoform	ug/L	<3.8	5.0	06/09/22 10:40	
Bromomethane	ug/L	<1.2	5.0	06/09/22 10:40	
Carbon tetrachloride	ug/L	<0.37	1.0	06/09/22 10:40	
Chlorobenzene	ug/L	<0.86	1.0	06/09/22 10:40	
Chloroethane	ug/L	<1.4	5.0	06/09/22 10:40	
Chloroform	ug/L	<1.2	5.0	06/09/22 10:40	
Chloromethane	ug/L	<1.6	5.0	06/09/22 10:40	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	06/09/22 10:40	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	06/09/22 10:40	
Dibromochloromethane	ug/L	<2.6	5.0	06/09/22 10:40	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

METHOD BLANK: 2406479 Matrix: Water

Associated Lab Samples: 40246149001, 40246149002, 40246149003, 40246149004, 40246149005, 40246149006, 40246149007, 40246149008, 40246149009, 40246149010, 40246149011, 40246149012, 40246149013, 40246149014, 40246149015, 40246149016, 40246149017, 40246149018, 40246149019, 40246149020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.99	5.0	06/09/22 10:40	
Dichlorodifluoromethane	ug/L	<0.46	5.0	06/09/22 10:40	
Diisopropyl ether	ug/L	<1.1	5.0	06/09/22 10:40	
Ethylbenzene	ug/L	<0.33	1.0	06/09/22 10:40	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	06/09/22 10:40	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	06/09/22 10:40	
m&p-Xylene	ug/L	<0.70	2.0	06/09/22 10:40	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	06/09/22 10:40	
Methylene Chloride	ug/L	<0.32	5.0	06/09/22 10:40	
n-Butylbenzene	ug/L	<0.86	1.0	06/09/22 10:40	
n-Propylbenzene	ug/L	<0.35	1.0	06/09/22 10:40	
Naphthalene	ug/L	<1.1	5.0	06/09/22 10:40	
o-Xylene	ug/L	<0.35	1.0	06/09/22 10:40	
p-Isopropyltoluene	ug/L	<1.0	5.0	06/09/22 10:40	
sec-Butylbenzene	ug/L	<0.42	1.0	06/09/22 10:40	
Styrene	ug/L	<0.36	1.0	06/09/22 10:40	
tert-Butylbenzene	ug/L	<0.59	1.0	06/09/22 10:40	
Tetrachloroethene	ug/L	<0.41	1.0	06/09/22 10:40	
Toluene	ug/L	<0.29	1.0	06/09/22 10:40	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	06/09/22 10:40	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	06/09/22 10:40	
Trichloroethene	ug/L	<0.32	1.0	06/09/22 10:40	
Trichlorofluoromethane	ug/L	<0.42	1.0	06/09/22 10:40	
Vinyl chloride	ug/L	<0.17	1.0	06/09/22 10:40	
1,2-Dichlorobenzene-d4 (S)	%	95	70-130	06/09/22 10:40	
4-Bromofluorobenzene (S)	%	103	70-130	06/09/22 10:40	
Toluene-d8 (S)	%	103	70-130	06/09/22 10:40	

LABORATORY CONTROL SAMPLE: 2406480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.3	111	70-134	
1,1,2,2-Tetrachloroethane	ug/L	50	49.0	98	69-130	
1,1,2-Trichloroethane	ug/L	50	51.2	102	70-130	
1,1-Dichloroethane	ug/L	50	51.9	104	70-130	
1,1-Dichloroethene	ug/L	50	51.9	104	74-131	
1,2,4-Trichlorobenzene	ug/L	50	49.1	98	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.0	96	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	48.8	98	70-130	
1,2-Dichlorobenzene	ug/L	50	48.7	97	70-130	
1,2-Dichloroethane	ug/L	50	49.7	99	70-137	
1,2-Dichloropropane	ug/L	50	49.2	98	80-121	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

LABORATORY CONTROL SAMPLE: 2406480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	50	53.0	106	70-130	
1,4-Dichlorobenzene	ug/L	50	50.3	101	70-130	
Benzene	ug/L	50	51.3	103	70-130	
Bromodichloromethane	ug/L	50	49.7	99	70-130	
Bromoform	ug/L	50	49.2	98	70-130	
Bromomethane	ug/L	50	41.7	83	21-147	
Carbon tetrachloride	ug/L	50	55.6	111	80-146	
Chlorobenzene	ug/L	50	51.7	103	70-130	
Chloroethane	ug/L	50	46.8	94	52-165	
Chloroform	ug/L	50	53.9	108	80-123	
Chloromethane	ug/L	50	48.5	97	51-122	
cis-1,2-Dichloroethene	ug/L	50	51.5	103	70-130	
cis-1,3-Dichloropropene	ug/L	50	53.8	108	70-130	
Dibromochloromethane	ug/L	50	51.5	103	70-130	
Dichlorodifluoromethane	ug/L	50	42.5	85	25-121	
Ethylbenzene	ug/L	50	51.9	104	80-120	
Isopropylbenzene (Cumene)	ug/L	50	52.2	104	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	49.1	98	70-130	
Methylene Chloride	ug/L	50	54.5	109	70-130	
o-Xylene	ug/L	50	52.0	104	70-130	
Styrene	ug/L	50	51.1	102	70-130	
Tetrachloroethene	ug/L	50	52.5	105	70-130	
Toluene	ug/L	50	51.0	102	80-120	
trans-1,2-Dichloroethene	ug/L	50	54.6	109	70-130	
trans-1,3-Dichloropropene	ug/L	50	52.6	105	70-130	
Trichloroethene	ug/L	50	53.6	107	70-130	
Trichlorofluoromethane	ug/L	50	51.7	103	65-160	
Vinyl chloride	ug/L	50	47.0	94	63-134	
1,2-Dichlorobenzene-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2406807 2406808

Parameter	Units	40246149004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.30	50	50	52.7	54.8	105	110	70-134	4	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	47.4	48.9	95	98	61-135	3	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	48.0	50.6	96	101	70-130	5	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	50.8	52.0	102	104	70-130	2	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	51.2	52.3	102	105	71-130	2	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	49.0	49.5	98	99	68-131	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	44.7	45.6	89	91	51-141	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2406807 2406808

Parameter	Units	40246149004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	47.8	48.7	96	97	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	48.2	48.5	96	97	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	47.4	48.4	95	97	70-137	2	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	48.0	49.8	96	100	80-121	4	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	52.6	54.5	105	109	70-130	4	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	49.7	50.9	99	102	70-130	2	20	
Benzene	ug/L	<0.30	50	50	49.0	51.7	98	103	70-130	5	20	
Bromodichloromethane	ug/L	<0.42	50	50	48.1	49.4	96	99	70-130	3	20	
Bromoform	ug/L	<3.8	50	50	49.6	50.2	99	100	70-133	1	20	
Bromomethane	ug/L	<1.2	50	50	43.8	45.9	88	92	21-149	5	22	
Carbon tetrachloride	ug/L	<0.37	50	50	54.2	56.1	108	112	80-146	3	20	
Chlorobenzene	ug/L	<0.86	50	50	50.3	52.5	101	105	70-130	4	20	
Chloroethane	ug/L	<1.4	50	50	46.0	48.1	92	96	52-165	5	20	
Chloroform	ug/L	<1.2	50	50	51.2	54.0	102	108	80-123	5	20	
Chloromethane	ug/L	<1.6	50	50	48.0	49.0	96	98	42-125	2	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	49.4	51.4	99	103	70-130	4	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	51.6	53.7	103	107	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	50.0	51.7	100	103	70-130	3	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	40.3	42.3	81	85	25-121	5	20	
Ethylbenzene	ug/L	<0.33	50	50	51.3	52.8	103	106	80-121	3	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	52.1	53.3	104	107	70-130	2	20	
m&p-Xylene	ug/L	<0.70	100	100	101	103	101	103	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	46.0	48.7	92	97	70-130	6	20	
Methylene Chloride	ug/L	<0.32	50	50	51.0	53.7	102	107	70-130	5	20	
o-Xylene	ug/L	<0.35	50	50	50.6	52.3	101	105	70-130	3	20	
Styrene	ug/L	<0.36	50	50	50.4	51.9	101	104	70-132	3	20	
Tetrachloroethene	ug/L	<0.41	50	50	51.3	53.3	103	107	70-130	4	20	
Toluene	ug/L	<0.29	50	50	50.3	51.8	101	104	80-120	3	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	52.8	53.3	106	107	70-130	1	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	50.0	53.0	100	106	70-130	6	20	
Trichloroethene	ug/L	<0.32	50	50	51.5	53.1	103	106	70-130	3	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	48.9	51.3	98	103	65-160	5	20	
Vinyl chloride	ug/L	<0.17	50	50	45.4	47.0	91	94	60-137	3	20	
1,2-Dichlorobenzene-d4 (S)	%						98	97	70-130			
4-Bromofluorobenzene (S)	%						101	100	70-130			
Toluene-d8 (S)	%						103	102	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

QC Batch: 417911
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40246149021, 40246149022, 40246149023, 40246149024

METHOD BLANK: 2406735 Matrix: Water
Associated Lab Samples: 40246149021, 40246149022, 40246149023, 40246149024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	06/10/22 08:56	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/10/22 08:56	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	06/10/22 08:56	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	06/10/22 08:56	
1,1-Dichloroethane	ug/L	<0.30	1.0	06/10/22 08:56	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/10/22 08:56	
1,1-Dichloropropene	ug/L	<0.41	1.0	06/10/22 08:56	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	06/10/22 08:56	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	06/10/22 08:56	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	06/10/22 08:56	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	06/10/22 08:56	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	06/10/22 08:56	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	06/10/22 08:56	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	06/10/22 08:56	
1,2-Dichloroethane	ug/L	<0.29	1.0	06/10/22 08:56	
1,2-Dichloropropane	ug/L	<0.45	1.0	06/10/22 08:56	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	06/10/22 08:56	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	06/10/22 08:56	
1,3-Dichloropropane	ug/L	<0.30	1.0	06/10/22 08:56	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	06/10/22 08:56	
2,2-Dichloropropane	ug/L	<4.2	5.0	06/10/22 08:56	
2-Chlorotoluene	ug/L	<0.89	5.0	06/10/22 08:56	
4-Chlorotoluene	ug/L	<0.89	5.0	06/10/22 08:56	
Benzene	ug/L	<0.30	1.0	06/10/22 08:56	
Bromobenzene	ug/L	<0.36	1.0	06/10/22 08:56	
Bromochloromethane	ug/L	<0.36	5.0	06/10/22 08:56	
Bromodichloromethane	ug/L	<0.42	1.0	06/10/22 08:56	
Bromoform	ug/L	<3.8	5.0	06/10/22 08:56	
Bromomethane	ug/L	<1.2	5.0	06/10/22 08:56	
Carbon tetrachloride	ug/L	<0.37	1.0	06/10/22 08:56	
Chlorobenzene	ug/L	<0.86	1.0	06/10/22 08:56	
Chloroethane	ug/L	<1.4	5.0	06/10/22 08:56	
Chloroform	ug/L	<1.2	5.0	06/10/22 08:56	
Chloromethane	ug/L	<1.6	5.0	06/10/22 08:56	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	06/10/22 08:56	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	06/10/22 08:56	
Dibromochloromethane	ug/L	<2.6	5.0	06/10/22 08:56	
Dibromomethane	ug/L	<0.99	5.0	06/10/22 08:56	
Dichlorodifluoromethane	ug/L	<0.46	5.0	06/10/22 08:56	
Diisopropyl ether	ug/L	<1.1	5.0	06/10/22 08:56	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

METHOD BLANK: 2406735 Matrix: Water
Associated Lab Samples: 40246149021, 40246149022, 40246149023, 40246149024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.33	1.0	06/10/22 08:56	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	06/10/22 08:56	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	06/10/22 08:56	
m&p-Xylene	ug/L	<0.70	2.0	06/10/22 08:56	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	06/10/22 08:56	
Methylene Chloride	ug/L	<0.32	5.0	06/10/22 08:56	
n-Butylbenzene	ug/L	<0.86	1.0	06/10/22 08:56	
n-Propylbenzene	ug/L	<0.35	1.0	06/10/22 08:56	
Naphthalene	ug/L	<1.1	5.0	06/10/22 08:56	
o-Xylene	ug/L	<0.35	1.0	06/10/22 08:56	
p-Isopropyltoluene	ug/L	<1.0	5.0	06/10/22 08:56	
sec-Butylbenzene	ug/L	<0.42	1.0	06/10/22 08:56	
Styrene	ug/L	<0.36	1.0	06/10/22 08:56	
tert-Butylbenzene	ug/L	<0.59	1.0	06/10/22 08:56	
Tetrachloroethene	ug/L	<0.41	1.0	06/10/22 08:56	
Toluene	ug/L	<0.29	1.0	06/10/22 08:56	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	06/10/22 08:56	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	06/10/22 08:56	
Trichloroethene	ug/L	<0.32	1.0	06/10/22 08:56	
Trichlorofluoromethane	ug/L	<0.42	1.0	06/10/22 08:56	
Vinyl chloride	ug/L	<0.17	1.0	06/10/22 08:56	
1,2-Dichlorobenzene-d4 (S)	%	104	70-130	06/10/22 08:56	
4-Bromofluorobenzene (S)	%	100	70-130	06/10/22 08:56	
Toluene-d8 (S)	%	97	70-130	06/10/22 08:56	

LABORATORY CONTROL SAMPLE: 2406736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.7	111	70-134	
1,1,2,2-Tetrachloroethane	ug/L	50	50.9	102	69-130	
1,1,2-Trichloroethane	ug/L	50	51.3	103	70-130	
1,1-Dichloroethane	ug/L	50	53.3	107	70-130	
1,1-Dichloroethene	ug/L	50	52.3	105	74-131	
1,2,4-Trichlorobenzene	ug/L	50	50.3	101	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.0	98	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	48.7	97	70-130	
1,2-Dichlorobenzene	ug/L	50	51.2	102	70-130	
1,2-Dichloroethane	ug/L	50	51.3	103	70-137	
1,2-Dichloropropane	ug/L	50	52.8	106	80-121	
1,3-Dichlorobenzene	ug/L	50	51.5	103	70-130	
1,4-Dichlorobenzene	ug/L	50	52.2	104	70-130	
Benzene	ug/L	50	52.8	106	70-130	
Bromodichloromethane	ug/L	50	50.7	101	70-130	
Bromoform	ug/L	50	53.0	106	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

LABORATORY CONTROL SAMPLE: 2406736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	37.4	75	21-147	
Carbon tetrachloride	ug/L	50	56.9	114	80-146	
Chlorobenzene	ug/L	50	53.3	107	70-130	
Chloroethane	ug/L	50	48.5	97	52-165	
Chloroform	ug/L	50	51.7	103	80-123	
Chloromethane	ug/L	50	44.3	89	51-122	
cis-1,2-Dichloroethene	ug/L	50	49.7	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	51.0	102	70-130	
Dibromochloromethane	ug/L	50	52.7	105	70-130	
Dichlorodifluoromethane	ug/L	50	37.2	74	25-121	
Ethylbenzene	ug/L	50	53.3	107	80-120	
Isopropylbenzene (Cumene)	ug/L	50	55.6	111	70-130	
m&p-Xylene	ug/L	100	110	110	70-130	
Methyl-tert-butyl ether	ug/L	50	52.2	104	70-130	
Methylene Chloride	ug/L	50	54.3	109	70-130	
o-Xylene	ug/L	50	54.5	109	70-130	
Styrene	ug/L	50	54.7	109	70-130	
Tetrachloroethene	ug/L	50	53.7	107	70-130	
Toluene	ug/L	50	51.9	104	80-120	
trans-1,2-Dichloroethene	ug/L	50	55.6	111	70-130	
trans-1,3-Dichloropropene	ug/L	50	52.3	105	70-130	
Trichloroethene	ug/L	50	54.2	108	70-130	
Trichlorofluoromethane	ug/L	50	50.0	100	65-160	
Vinyl chloride	ug/L	50	43.1	86	63-134	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2407196 2407197

Parameter	Units	40246146007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.30	50	50	54.0	54.1	108	108	70-134	0	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	50.8	49.2	102	98	61-135	3	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	52.8	51.0	106	102	70-130	3	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	51.8	52.2	104	104	70-130	1	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	51.0	51.3	102	103	71-130	1	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	52.1	48.5	104	97	68-131	7	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	52.2	49.7	104	99	51-141	5	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	50.4	48.6	101	97	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	52.9	50.3	106	101	70-130	5	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	52.5	51.4	105	103	70-137	2	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	52.5	50.0	105	100	80-121	5	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	53.4	51.3	107	103	70-130	4	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2407196 2407197

Parameter	Units	40246146007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dichlorobenzene	ug/L	<0.89	50	50	52.8	50.3	106	101	70-130	5	20	
Benzene	ug/L	<0.30	50	50	52.9	52.4	106	105	70-130	1	20	
Bromodichloromethane	ug/L	<0.42	50	50	51.7	49.9	103	100	70-130	4	20	
Bromoform	ug/L	<3.8	50	50	53.1	52.8	106	106	70-133	0	20	
Bromomethane	ug/L	<1.2	50	50	40.4	41.1	81	82	21-149	2	22	
Carbon tetrachloride	ug/L	<0.37	50	50	55.1	56.3	110	113	80-146	2	20	
Chlorobenzene	ug/L	<0.86	50	50	54.1	51.7	108	103	70-130	5	20	
Chloroethane	ug/L	<1.4	50	50	48.8	48.1	98	96	52-165	1	20	
Chloroform	ug/L	<1.2	50	50	52.8	51.6	106	103	80-123	2	20	
Chloromethane	ug/L	<1.6	50	50	45.6	43.9	91	88	42-125	4	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	50.6	49.3	101	99	70-130	3	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	53.6	51.9	107	104	70-130	3	20	
Dibromochloromethane	ug/L	<2.6	50	50	54.4	51.2	109	102	70-130	6	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	34.9	35.0	70	70	25-121	0	20	
Ethylbenzene	ug/L	<0.33	50	50	53.6	52.9	107	106	80-121	1	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	56.7	55.9	113	112	70-130	1	20	
m&p-Xylene	ug/L	<0.70	100	100	111	108	111	108	70-130	3	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	51.9	50.9	104	102	70-130	2	20	
Methylene Chloride	ug/L	<0.32	50	50	54.8	54.6	110	109	70-130	0	20	
o-Xylene	ug/L	<0.35	50	50	55.7	55.0	111	110	70-130	1	20	
Styrene	ug/L	<0.36	50	50	56.4	54.3	113	109	70-132	4	20	
Tetrachloroethene	ug/L	<0.41	50	50	54.2	53.4	108	107	70-130	1	20	
Toluene	ug/L	<0.29	50	50	52.8	50.6	106	101	80-120	4	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	54.1	54.9	108	110	70-130	1	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	54.2	51.9	108	104	70-130	4	20	
Trichloroethene	ug/L	<0.32	50	50	53.7	52.8	107	106	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	48.7	49.1	97	98	65-160	1	20	
Vinyl chloride	ug/L	<0.17	50	50	42.1	43.4	84	87	60-137	3	20	
1,2-Dichlorobenzene-d4 (S)	%						100	98	70-130			
4-Bromofluorobenzene (S)	%						101	100	70-130			
Toluene-d8 (S)	%						100	100	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

QC Batch: 417834
QC Batch Method: EPA 3510
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E Water PAH
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40246149001, 40246149004

METHOD BLANK: 2406302 Matrix: Water
Associated Lab Samples: 40246149001, 40246149004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.018	0.050	06/10/22 07:26	
2-Methylnaphthalene	ug/L	<0.014	0.050	06/10/22 07:26	
Acenaphthene	ug/L	<0.014	0.050	06/10/22 07:26	
Acenaphthylene	ug/L	<0.013	0.050	06/10/22 07:26	
Anthracene	ug/L	<0.018	0.050	06/10/22 07:26	
Benzo(a)anthracene	ug/L	<0.014	0.050	06/10/22 07:26	
Benzo(a)pyrene	ug/L	<0.013	0.050	06/10/22 07:26	
Benzo(b)fluoranthene	ug/L	<0.0091	0.050	06/10/22 07:26	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	06/10/22 07:26	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	06/10/22 07:26	
Chrysene	ug/L	<0.013	0.050	06/10/22 07:26	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	06/10/22 07:26	
Fluoranthene	ug/L	<0.026	0.050	06/10/22 07:26	
Fluorene	ug/L	<0.024	0.050	06/10/22 07:26	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	06/10/22 07:26	
Naphthalene	ug/L	<0.020	0.050	06/10/22 07:26	
Phenanthrene	ug/L	<0.026	0.050	06/10/22 07:26	
Pyrene	ug/L	<0.023	0.050	06/10/22 07:26	
2-Fluorobiphenyl (S)	%	68	44-120	06/10/22 07:26	
Terphenyl-d14 (S)	%	70	49-120	06/10/22 07:26	

LABORATORY CONTROL SAMPLE & LCSD: 2406303 2406304

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	2	1.4	1.4	68	72	51-120	7	20	
2-Methylnaphthalene	ug/L	2	1.3	1.4	66	70	50-120	6	20	
Acenaphthene	ug/L	2	1.5	1.6	74	80	65-120	7	20	
Acenaphthylene	ug/L	2	1.4	1.5	69	74	61-120	8	20	
Anthracene	ug/L	2	1.5	1.6	77	81	61-104	5	20	
Benzo(a)anthracene	ug/L	2	1.5	1.5	73	75	51-96	3	20	
Benzo(a)pyrene	ug/L	2	1.6	1.6	80	81	68-120	1	20	
Benzo(b)fluoranthene	ug/L	2	1.5	1.6	76	79	55-97	3	20	
Benzo(g,h,i)perylene	ug/L	2	1.6	1.7	82	87	69-120	6	20	
Benzo(k)fluoranthene	ug/L	2	1.7	1.8	83	89	73-120	7	20	
Chrysene	ug/L	2	1.8	1.9	88	95	72-126	7	20	
Dibenz(a,h)anthracene	ug/L	2	1.5	1.6	77	78	57-115	2	20	
Fluoranthene	ug/L	2	1.5	1.6	73	79	58-111	8	20	
Fluorene	ug/L	2	1.4	1.6	72	81	62-120	12	20	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.5	1.6	76	79	66-120	4	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

LABORATORY CONTROL SAMPLE & LCSD: 2406303 2406304

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Naphthalene	ug/L	2	1.3	1.4	67	71	53-120	6	20	
Phenanthrene	ug/L	2	1.3	1.4	66	72	59-120	8	20	
Pyrene	ug/L	2	1.4	1.5	72	76	59-120	6	20	
2-Fluorobiphenyl (S)	%				67	69	44-120			
Terphenyl-d14 (S)	%				68	67	49-120			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

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: 417880

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JOHNSON CONTROLS
Pace Project No.: 40246149

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40246149001	**S01 EFFLUENT**	EPA 3510	417834	EPA 8270E by SIM	417880
40246149004	**S03 EFFLUENT**	EPA 3510	417834	EPA 8270E by SIM	417880
40246149001	**S01 EFFLUENT**	EPA 8260	417867		
40246149002	**S01 C1**	EPA 8260	417867		
40246149003	**S01 INFLUENT**	EPA 8260	417867		
40246149004	**S03 EFFLUENT**	EPA 8260	417867		
40246149005	**S03 BETWEEN C2**	EPA 8260	417867		
40246149006	**S03 BETWEEN C1**	EPA 8260	417867		
40246149007	**INFLUENT**	EPA 8260	417867		
40246149008	**TW-1**	EPA 8260	417867		
40246149009	**TW-2**	EPA 8260	417867		
40246149010	**MW-4A**	EPA 8260	417867		
40246149011	**MW-4B**	EPA 8260	417867		
40246149012	**MW-5**	EPA 8260	417867		
40246149013	**MW-6**	EPA 8260	417867		
40246149014	**MW-7A**	EPA 8260	417867		
40246149015	**MW-7B**	EPA 8260	417867		
40246149016	**TW-4**	EPA 8260	417867		
40246149017	**MW-9**	EPA 8260	417867		
40246149018	**MW-8**	EPA 8260	417867		
40246149019	**TW-8**	EPA 8260	417867		
40246149020	**TW-11**	EPA 8260	417867		
40246149021	**TW-20**	EPA 8260	417911		
40246149022	**TW-18**	EPA 8260	417911		
40246149023	**DUP-01**	EPA 8260	417911		
40246149024	**TRIP BLANK**	EPA 8260	417911		

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

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

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 402416149

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information:
Address: 708 Heartland Tr, Suite 3000	
Report To: Andy Stehn	Email To: astehn@trcompanies.com
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: Johnson Controls	State: WI County/City: Milwaukee Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: (608) 807-8112 Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Zach Radtke	Purchase Order #: Quote #: 178257 DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: — Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] 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 [X] No Analysis: _____

Container Preservative Type **: 3, 4

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: VOC's, PAH's

Lab Profile/Line:

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:

* 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) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOC's	PAH's	Lab Sample # / Comments
S01 Effluent	GW	Grab	6/6/22	9:20	—	—		5	3	2	001
S01 C1				9:27	—	—		3	3		002
S01 Influent				9:33	—	—		3	3		003
S03 Effluent				8:25				5	3	2	004
S03 between C2				8:32				3	3		005
S03 between C1				8:39				3	3		006
Influent				8:45				3	3		007
TW-1			6/7/22	10:45				3	3		008
TW-2				11:04							009
TW-4				11:20							~~010~~ 6/8/22 SW

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

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

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

Lab Tracking #: 2767691

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#:
Cooler 1 Temp Upon Receipt: 1.3 oC
Cooler 1 Therm Corr. Factor: _____ oC
Cooler 1 Corrected Temp: _____ oC
Comments:

Relinquished by/Company: (Signature) TRC	Date/Time: 1630 6/7/2022	Received by/Company: (Signature)	Date/Time:	MTJL LAB USE ONLY
Relinquished by/Company: (Signature) Fed Ex	Date/Time: 6/8/22 0925	Received by/Company: (Signature) Pace	Date/Time: 6/8/22 0925	Table #: Acctnum: Template: Prelogin: PM: PB:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 3 of: 3

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: L1024161149

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: 708 Heartland Tr. Suite 3000 madison WI 53717
Address: 708 Heartland Tr. Suite 3000	
Report To: Andy Stehn	Email To: astehn@trccompanies.com
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: Johnson Controls	State: WI County/City: Milwaukee Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: (608) 807-8112 Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): John Koelke	Purchase Order #: Quote #: 178257 DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: — Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] 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 [X] No Analysis: _____

Container Preservative Type **: 3 4

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: VOC's PAH's

Lab Profile/Line:

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:

* 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) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns			Lab Sample # / Comments	
MW-4A	GW	Grab	6/7/22	~~11:26~~ 11:36	—	—		3	3		011	010
MW-4B				11:40				3	3		012	011
MW-5				11:58				3	3		013	012
MW-6				12:15				3	3		014	013
MW-7A				12:26				3	3		015	014
MW-7B				12:36				3	3		016	015
TW-4				11:20				3	3		017	016
MW-9				12:57				3	3		018	017
MW-8				13:08				3	3		019	018
TW-8				12:43				3	3		020	019

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

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

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

Lab Tracking #: 2767692

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: _____oC
Cooler 1 Therm Corr. Factor: _____oC
Cooler 1 Corrected Temp: _____oC
Comments:

Relinquished by/Company: (Signature) TRC	Date/Time: 1630 6/7/2022	Received by/Company: (Signature)	Date/Time:	MTJL LAB USE ONLY Table #: Acctnum: Template: Prelogin: PM: PB:
Relinquished by/Company: (Signature)	Date/Time: 6/8/22 0925	Received by/Company: (Signature) Pace	Date/Time: 6/8/22 0925	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 2 of: 3

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 402416140

ALL SHADED AREAS are for LAB USE ONLY

Company: TRC	Billing Information: 708 Heartland Trail Suite 3000 Madison WI 53717
Address: 708 Heartland Trail suite 3000	
Report To: Andy Stehn	Email To: astehn@trccompanies.com
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: Johnson Controls	State: / County/City: Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET
Phone: (608) 807-8112 Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): John Reike	Purchase Order #: Quote #: 178257 DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: — Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [X] 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: _____

Container Preservative Type **: 3

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: VOCs

Lab Profile/Line:

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:

* 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) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOCs	Lab Sample # / Comments
TW-11	GW	Grab	6/7/22	13:30	—	—		3	3	021 020
TW-20				14:00				3	3	022 021
TW-18				13:45				3	3	023 022
DUP-01				—				3	3	024 023
Trip Blank			3/22/22	—				2	2	025 024

6/8/22

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

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

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

Lab Tracking #: 2767693

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: _____oC
Cooler 1 Therm Corr. Factor: _____oC
Cooler 1 Corrected Temp: _____oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
TRC	6/7/2022 1630		
Fed Ex	6/8/22 0925	Susan Kilpatrick Pace	6/8/22 0925

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Sample Preservation Receipt Form

Client Name: TRC Project # 40246149

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):

	Glass								Plastic					Vials						Jars				General							
Pace Lab #	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	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001						2																										2.5 / 5 / 10
002																																2.5 / 5 / 10
003																																2.5 / 5 / 10
004						2																										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
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Page 1 of 9

Sample Preservation Receipt Form

Client Name: TRC

Project #: 40246149

Pace Lab #	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	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
021																	3																2.5 / 5 / 10
022																	3																**2.5 / 5 / 10**
023																	3																2.5 / 5 / 10
024																	2																**2.5 / 5 / 10**
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6/8/22 SEW

Page 2 of 3

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40246149

40246149

Client Name: TRC

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

Tracking #: 8153 7726 0900

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: 6/8/22 /Initials: SW

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:	☑Yes ☐No ☐N/A	1. +CC 6/8/22 SW
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2. No Analyses for 009,010 6/8/22 SW
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: 6/8/22 SW For Analysis: ~~☐Yes~~ ☑No	MS/MSD: ☐Yes ☑No ☐N/A	8. No Volume for TW4 PM informed. 6/8/22 SW
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. 004 - No time on vials, 007 - 010 is SB3 Influent - time matched. 6-8-22 SW
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 483		

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 3 of 3

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6/23/2022
Mr. Andrew Stehn
TRC Corporation (RMT)
708 Heartland Trail
Suite 3000
Madison WI 53717

Project Name: Johnson Controls
Project #: 470548
Workorder #: 2206259

Dear Mr. Andrew Stehn

The following report includes the data for the above referenced project for sample(s) received on 6/10/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-14A (5&20 ppbv) 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

eurofins | Air Toxics

WORK ORDER #: 2206259

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. #**	178255
FAX:	608-826-3941	**PROJECT #**	470548 Johnson Controls
DATE RECEIVED:	06/10/2022	**CONTACT:**	Jade White
DATE COMPLETED:	06/23/2022		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SVE Exhaust	Modified TO-14A (5&20 pp	6.9 "Hg	9.9 psi
02A	Lab Blank	Modified TO-14A (5&20 pp	NA	NA
03A	CCV	Modified TO-14A (5&20 pp	NA	NA
04A	LCS	Modified TO-14A (5&20 pp	NA	NA
04AA	LCSD	Modified TO-14A (5&20 pp	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 06/23/22

Technical Director

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

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

LABORATORY NARRATIVE
Modified TO-14A Soil Gas
TRC Corporation (RMT)
Workorder# 2206259

One 1 Liter Summa Canister sample was received on June 10, 2022. The laboratory performed analysis via modified EPA Method TO-14A using GC/MS in the full scan mode.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the EATL modifications. Please note that TO-14A was validated for specially treated canisters, and the use of Tedlar bags for sample collection is outside the scope of the method.

Requirement	***TO-14A***	***ATL Modifications***
Initial Calibration criteria	RSD</=30%	Follow TO-15 requirements of RSD</=30% with two compounds allowed out to </=40%RSD.
BFB absolute abundance criteria	Within 10% of that from previous day	CCV internal standard area counts are compared to ICAL, corrective action when recovery is less than 60%.
Blank acceptance criteria	<0.20 ppbv	<Reporting Limit
Sample Drying System	Nafion Dryer	Multibed hydrophobic sorbent
BFB ion abundance criteria	Ion abundance listed in Table 4 of TO-14A	Follow ion abundance criteria listed in Method TO-15

Receiving Notes

The Chain of Custody was missing method information. EATL proceeded with the analysis as per verbal agreement.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight 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.

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

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-14A GC/MS

Client Sample ID: SVE Exhaust

Lab ID#: 2206259-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	11	230	58	1200

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Client Sample ID: SVE Exhaust

Lab ID#: 2206259-01A

MODIFIED EPA METHOD TO-14A GC/MS

File Name:	**14061509**	**Date of Collection:**	**6/6/22 2:10:00 PM**
Dil. Factor:	**2.18**	**Date of Analysis:**	**6/15/22 12:58 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	11	Not Detected	54	Not Detected
Freon 114	11	Not Detected	76	Not Detected
Chloromethane	44	Not Detected	90	Not Detected
Vinyl Chloride	11	Not Detected	28	Not Detected
1,3-Butadiene	11	Not Detected	24	Not Detected
Bromomethane	44	Not Detected	170	Not Detected
Chloroethane	44	Not Detected	120	Not Detected
Freon 11	11	Not Detected	61	Not Detected
Ethanol	54	Not Detected	100	Not Detected
Freon 113	11	Not Detected	84	Not Detected
1,1-Dichloroethene	11	Not Detected	43	Not Detected
Acetone	44	Not Detected	100	Not Detected
2-Propanol	54	Not Detected	130	Not Detected
Carbon Disulfide	44	Not Detected	140	Not Detected
3-Chloropropene	44	Not Detected	140	Not Detected
Methylene Chloride	44	Not Detected	150	Not Detected
Methyl tert-butyl ether	11	Not Detected	39	Not Detected
trans-1,2-Dichloroethene	11	Not Detected	43	Not Detected
Hexane	11	Not Detected	38	Not Detected
1,1-Dichloroethane	11	Not Detected	44	Not Detected
2-Butanone (Methyl Ethyl Ketone)	44	Not Detected	130	Not Detected
cis-1,2-Dichloroethene	11	Not Detected	43	Not Detected
Tetrahydrofuran	11	Not Detected	32	Not Detected
Chloroform	11	Not Detected	53	Not Detected
1,1,1-Trichloroethane	11	Not Detected	59	Not Detected
Cyclohexane	11	Not Detected	38	Not Detected
Carbon Tetrachloride	11	Not Detected	68	Not Detected
2,2,4-Trimethylpentane	11	Not Detected	51	Not Detected
Benzene	11	Not Detected	35	Not Detected
1,2-Dichloroethane	11	Not Detected	44	Not Detected
Heptane	11	Not Detected	45	Not Detected
Trichloroethene	11	230	58	1200
1,2-Dichloropropane	11	Not Detected	50	Not Detected
1,4-Dioxane	44	Not Detected	160	Not Detected
Bromodichloromethane	11	Not Detected	73	Not Detected
cis-1,3-Dichloropropene	11	Not Detected	49	Not Detected
4-Methyl-2-pentanone	44	Not Detected	180	Not Detected
Toluene	11	Not Detected	41	Not Detected
trans-1,3-Dichloropropene	11	Not Detected	49	Not Detected
1,1,2-Trichloroethane	11	Not Detected	59	Not Detected
Tetrachloroethene	11	Not Detected	74	Not Detected
2-Hexanone	44	Not Detected	180	Not Detected

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Client Sample ID: SVE Exhaust

Lab ID#: 2206259-01A

MODIFIED EPA METHOD TO-14A GC/MS

File Name:	**14061509**	**Date of Collection:**	**6/6/22 2:10:00 PM**
Dil. Factor:	**2.18**	**Date of Analysis:**	**6/15/22 12:58 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	11	Not Detected	93	Not Detected
1,2-Dibromoethane (EDB)	11	Not Detected	84	Not Detected
Chlorobenzene	11	Not Detected	50	Not Detected
Ethyl Benzene	11	Not Detected	47	Not Detected
m,p-Xylene	11	Not Detected	47	Not Detected
o-Xylene	11	Not Detected	47	Not Detected
Styrene	11	Not Detected	46	Not Detected
Bromoform	11	Not Detected	110	Not Detected
Cumene	11	Not Detected	54	Not Detected
1,1,2,2-Tetrachloroethane	11	Not Detected	75	Not Detected
Propylbenzene	11	Not Detected	54	Not Detected
4-Ethyltoluene	11	Not Detected	54	Not Detected
1,3,5-Trimethylbenzene	11	Not Detected	54	Not Detected
1,2,4-Trimethylbenzene	11	Not Detected	54	Not Detected
1,3-Dichlorobenzene	11	Not Detected	66	Not Detected
1,4-Dichlorobenzene	11	Not Detected	66	Not Detected
alpha-Chlorotoluene	11	Not Detected	56	Not Detected
1,2-Dichlorobenzene	11	Not Detected	66	Not Detected
1,2,4-Trichlorobenzene	44	Not Detected	320	Not Detected
Hexachlorobutadiene	44	Not Detected	460	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	87	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	90	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2206259-02A

MODIFIED EPA METHOD TO-14A GC/MS

File Name:	**14061505e**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/15/22 10:40 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	5.0	Not Detected	25	Not Detected
Freon 114	5.0	Not Detected	35	Not Detected
Chloromethane	20	Not Detected	41	Not Detected
Vinyl Chloride	5.0	Not Detected	13	Not Detected
1,3-Butadiene	5.0	Not Detected	11	Not Detected
Bromomethane	20	Not Detected	78	Not Detected
Chloroethane	20	Not Detected	53	Not Detected
Freon 11	5.0	Not Detected	28	Not Detected
Ethanol	25	Not Detected	47	Not Detected
Freon 113	5.0	Not Detected	38	Not Detected
1,1-Dichloroethene	5.0	Not Detected	20	Not Detected
Acetone	20	Not Detected	48	Not Detected
2-Propanol	25	Not Detected	61	Not Detected
Carbon Disulfide	20	Not Detected	62	Not Detected
3-Chloropropene	20	Not Detected	63	Not Detected
Methylene Chloride	20	Not Detected	69	Not Detected
Methyl tert-butyl ether	5.0	Not Detected	18	Not Detected
trans-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Hexane	5.0	Not Detected	18	Not Detected
1,1-Dichloroethane	5.0	Not Detected	20	Not Detected
2-Butanone (Methyl Ethyl Ketone)	20	Not Detected	59	Not Detected
cis-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Tetrahydrofuran	5.0	Not Detected	15	Not Detected
Chloroform	5.0	Not Detected	24	Not Detected
1,1,1-Trichloroethane	5.0	Not Detected	27	Not Detected
Cyclohexane	5.0	Not Detected	17	Not Detected
Carbon Tetrachloride	5.0	Not Detected	31	Not Detected
2,2,4-Trimethylpentane	5.0	Not Detected	23	Not Detected
Benzene	5.0	Not Detected	16	Not Detected
1,2-Dichloroethane	5.0	Not Detected	20	Not Detected
Heptane	5.0	Not Detected	20	Not Detected
Trichloroethene	5.0	Not Detected	27	Not Detected
1,2-Dichloropropane	5.0	Not Detected	23	Not Detected
1,4-Dioxane	20	Not Detected	72	Not Detected
Bromodichloromethane	5.0	Not Detected	34	Not Detected
cis-1,3-Dichloropropene	5.0	Not Detected	23	Not Detected
4-Methyl-2-pentanone	20	Not Detected	82	Not Detected
Toluene	5.0	Not Detected	19	Not Detected
trans-1,3-Dichloropropene	5.0	Not Detected	23	Not Detected
1,1,2-Trichloroethane	5.0	Not Detected	27	Not Detected
Tetrachloroethene	5.0	Not Detected	34	Not Detected
2-Hexanone	20	Not Detected	82	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 2206259-02A

MODIFIED EPA METHOD TO-14A GC/MS

File Name:	**14061505e**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/15/22 10:40 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	5.0	Not Detected	42	Not Detected
1,2-Dibromoethane (EDB)	5.0	Not Detected	38	Not Detected
Chlorobenzene	5.0	Not Detected	23	Not Detected
Ethyl Benzene	5.0	Not Detected	22	Not Detected
m,p-Xylene	5.0	Not Detected	22	Not Detected
o-Xylene	5.0	Not Detected	22	Not Detected
Styrene	5.0	Not Detected	21	Not Detected
Bromoform	5.0	Not Detected	52	Not Detected
Cumene	5.0	Not Detected	24	Not Detected
1,1,2,2-Tetrachloroethane	5.0	Not Detected	34	Not Detected
Propylbenzene	5.0	Not Detected	24	Not Detected
4-Ethyltoluene	5.0	Not Detected	24	Not Detected
1,3,5-Trimethylbenzene	5.0	Not Detected	24	Not Detected
1,2,4-Trimethylbenzene	5.0	Not Detected	24	Not Detected
1,3-Dichlorobenzene	5.0	Not Detected	30	Not Detected
1,4-Dichlorobenzene	5.0	Not Detected	30	Not Detected
alpha-Chlorotoluene	5.0	Not Detected	26	Not Detected
1,2-Dichlorobenzene	5.0	Not Detected	30	Not Detected
1,2,4-Trichlorobenzene	20	Not Detected	150	Not Detected
Hexachlorobutadiene	20	Not Detected	210	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	92	70-130

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Client Sample ID: CCV

Lab ID#: 2206259-03A

MODIFIED EPA METHOD TO-14A GC/MS

File Name:	**14061502**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 6/15/22 09:28 AM**

Compound	%Recovery
Freon 12	99
Freon 114	109
Chloromethane	85
Vinyl Chloride	90
1,3-Butadiene	79
Bromomethane	97
Chloroethane	83
Freon 11	90
Ethanol	95
Freon 113	104
1,1-Dichloroethene	93
Acetone	102
2-Propanol	97
Carbon Disulfide	94
3-Chloropropene	97
Methylene Chloride	98
Methyl tert-butyl ether	101
trans-1,2-Dichloroethene	99
Hexane	96
1,1-Dichloroethane	92
2-Butanone (Methyl Ethyl Ketone)	94
cis-1,2-Dichloroethene	98
Tetrahydrofuran	91
Chloroform	90
1,1,1-Trichloroethane	91
Cyclohexane	91
Carbon Tetrachloride	96
2,2,4-Trimethylpentane	95
Benzene	95
1,2-Dichloroethane	87
Heptane	97
Trichloroethene	96
1,2-Dichloropropane	93
1,4-Dioxane	98
Bromodichloromethane	90
cis-1,3-Dichloropropene	93
4-Methyl-2-pentanone	100
Toluene	92
trans-1,3-Dichloropropene	104
1,1,2-Trichloroethane	100
Tetrachloroethene	107
2-Hexanone	98

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Client Sample ID: CCV

Lab ID#: 2206259-03A

MODIFIED EPA METHOD TO-14A GC/MS

File Name:	**14061502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/15/22 09:28 AM**	

Compound	%Recovery
Dibromochloromethane	105
1,2-Dibromoethane (EDB)	102
Chlorobenzene	97
Ethyl Benzene	96
m,p-Xylene	95
o-Xylene	94
Styrene	108
Bromoform	102
Cumene	100
1,1,2,2-Tetrachloroethane	92
Propylbenzene	106
4-Ethyltoluene	100
1,3,5-Trimethylbenzene	100
1,2,4-Trimethylbenzene	98
1,3-Dichlorobenzene	99
1,4-Dichlorobenzene	96
alpha-Chlorotoluene	96
1,2-Dichlorobenzene	95
1,2,4-Trichlorobenzene	79
Hexachlorobutadiene	81

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: LCS

Lab ID#: 2206259-04A

MODIFIED EPA METHOD TO-14A GC/MS

File Name:	**14061503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/15/22 09:52 AM**	

Compound	%Recovery	Method Limits
Freon 12	96	70-130
Freon 114	107	70-130
Chloromethane	82	70-130
Vinyl Chloride	88	70-130
1,3-Butadiene	78	70-130
Bromomethane	90	70-130
Chloroethane	82	70-130
Freon 11	92	70-130
Ethanol	87	70-130
Freon 113	101	70-130
1,1-Dichloroethene	90	70-130
Acetone	99	70-130
2-Propanol	101	70-130
Carbon Disulfide	93	70-130
3-Chloropropene	98	70-130
Methylene Chloride	90	70-130
Methyl tert-butyl ether	98	70-130
trans-1,2-Dichloroethene	98	70-130
Hexane	94	70-130
1,1-Dichloroethane	92	70-130
2-Butanone (Methyl Ethyl Ketone)	95	70-130
cis-1,2-Dichloroethene	93	70-130
Tetrahydrofuran	89	70-130
Chloroform	87	70-130
1,1,1-Trichloroethane	91	70-130
Cyclohexane	92	70-130
Carbon Tetrachloride	92	70-130
2,2,4-Trimethylpentane	94	70-130
Benzene	93	70-130
1,2-Dichloroethane	85	70-130
Heptane	95	70-130
Trichloroethene	94	70-130
1,2-Dichloropropane	87	70-130
1,4-Dioxane	92	70-130
Bromodichloromethane	85	70-130
cis-1,3-Dichloropropene	90	70-130
4-Methyl-2-pentanone	94	70-130
Toluene	88	70-130
trans-1,3-Dichloropropene	102	70-130
1,1,2-Trichloroethane	99	70-130
Tetrachloroethene	103	70-130
2-Hexanone	93	70-130

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Client Sample ID: LCS

Lab ID#: 2206259-04A

MODIFIED EPA METHOD TO-14A GC/MS

File Name:	**14061503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/15/22 09:52 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	100	70-130
1,2-Dibromoethane (EDB)	98	70-130
Chlorobenzene	95	70-130
Ethyl Benzene	95	70-130
m,p-Xylene	92	70-130
o-Xylene	90	70-130
Styrene	105	70-130
Bromoform	98	70-130
Cumene	95	70-130
1,1,2,2-Tetrachloroethane	91	70-130
Propylbenzene	103	70-130
4-Ethyltoluene	97	70-130
1,3,5-Trimethylbenzene	98	70-130
1,2,4-Trimethylbenzene	97	70-130
1,3-Dichlorobenzene	99	70-130
1,4-Dichlorobenzene	92	70-130
alpha-Chlorotoluene	95	70-130
1,2-Dichlorobenzene	94	70-130
1,2,4-Trichlorobenzene	88	70-130
Hexachlorobutadiene	87	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: LCSD

Lab ID#: 2206259-04AA

MODIFIED EPA METHOD TO-14A GC/MS

File Name:	**14061504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/15/22 10:15 AM**	

Compound	%Recovery	Method Limits
Freon 12	98	70-130
Freon 114	109	70-130
Chloromethane	84	70-130
Vinyl Chloride	86	70-130
1,3-Butadiene	80	70-130
Bromomethane	87	70-130
Chloroethane	83	70-130
Freon 11	92	70-130
Ethanol	92	70-130
Freon 113	102	70-130
1,1-Dichloroethene	91	70-130
Acetone	101	70-130
2-Propanol	102	70-130
Carbon Disulfide	92	70-130
3-Chloropropene	95	70-130
Methylene Chloride	90	70-130
Methyl tert-butyl ether	99	70-130
trans-1,2-Dichloroethene	97	70-130
Hexane	94	70-130
1,1-Dichloroethane	90	70-130
2-Butanone (Methyl Ethyl Ketone)	93	70-130
cis-1,2-Dichloroethene	94	70-130
Tetrahydrofuran	90	70-130
Chloroform	87	70-130
1,1,1-Trichloroethane	93	70-130
Cyclohexane	93	70-130
Carbon Tetrachloride	93	70-130
2,2,4-Trimethylpentane	95	70-130
Benzene	92	70-130
1,2-Dichloroethane	85	70-130
Heptane	94	70-130
Trichloroethene	93	70-130
1,2-Dichloropropane	87	70-130
1,4-Dioxane	93	70-130
Bromodichloromethane	86	70-130
cis-1,3-Dichloropropene	90	70-130
4-Methyl-2-pentanone	95	70-130
Toluene	88	70-130
trans-1,3-Dichloropropene	102	70-130
1,1,2-Trichloroethane	100	70-130
Tetrachloroethene	103	70-130
2-Hexanone	94	70-130

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Client Sample ID: LCSD

Lab ID#: 2206259-04AA

MODIFIED EPA METHOD TO-14A GC/MS

File Name:	**14061504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/15/22 10:15 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	102	70-130
1,2-Dibromoethane (EDB)	99	70-130
Chlorobenzene	94	70-130
Ethyl Benzene	93	70-130
m,p-Xylene	95	70-130
o-Xylene	92	70-130
Styrene	105	70-130
Bromoform	101	70-130
Cumene	97	70-130
1,1,2,2-Tetrachloroethane	92	70-130
Propylbenzene	99	70-130
4-Ethyltoluene	95	70-130
1,3,5-Trimethylbenzene	94	70-130
1,2,4-Trimethylbenzene	92	70-130
1,3-Dichlorobenzene	95	70-130
1,4-Dichlorobenzene	91	70-130
alpha-Chlorotoluene	94	70-130
1,2-Dichlorobenzene	91	70-130
1,2,4-Trichlorobenzene	78	70-130
Hexachlorobutadiene	75	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	99	70-130

Attachment D

Groundwater Monitoring Well Information

State of Wisconsin
Department of Natural Resources

GROUNDWATER MONITORING WELL INFORMATION FORM
Chapter 281 and 289, Wis. Stats.
Form 4400-89 Rev. 7-98

Facility Name	Facility ID Number	License, Permit or Monitoring No.	Date	Completed By (Name and Firm)
Johnson Controls Inc., Humboldt Blvd.			2/17/00	Leo Linnemanstons - Montgomery Watson

WI Unique Well No.	Well Name	DNR Well ID Number	Well Location	Dir. N/E	Dir. S/W	Date Established	Well Casing Diam.	Well Casing Type	Elevations Top of Well Casing	Elevations Ground Surface	Reference MSL (X)	Reference Site Datum (X)	Depths Screen Top	Depths Initial Groundwater	Depths Well Depth	Screen Length	Well Type	Well Status	Enf. Stds.	Grad-ient	Distance to Waste
	MW01					7/15/99	2"	PVC	653.92	654.2	X		6.9	7.50	17.10	10.3	11/mw	A		S	
	MW02					7/15/99	2"	PVC	663.79	664.3	X		8.2	13.22	18.60	10.4	11/mw	A		U	
	MW03					7/15/99	2"	PVC	649.69	650.1	X		7.3	3.37	17.66	10.5	11/mw	A		D	
	MW04A					2/2/00	2"	PVC	653.69	654.1	X		7.5	15.40	17.5	9.8	11/mw	A		D	
	MW04B					2/2/00	2"	PVC	653.85	662.8	X		32.0	Dry	37.0	4.7	12/pz	A		D	
	MW05					2/3/00	2"	PVC	662.57	662.8	X		9.5	12.47	19.5	9.8	11/mw	A		D	
	MW06					2/3/00	2"	PVC	662.38	662.8	X		7.5	9.38	17.5	9.8	11/mw	A		S	
	MW07A					2/4/00	2"	PVC	662.51	662.8	X		7.5	14.56	17.5	9.8	11/mw	A		D	
	MW07B					2/3/00	2"	PVC	662.48	662.8	X		34.0	Dry	39.0	4.7	12/pz	A		D	
	MW08					2/4/00	2"	SS	662.71	663.0	X		7.5	14.32	17.5	9.8	11/mw	A		N	0

Location Coordinates Are:
☐ State Plane Coordinate ☐ Local Grid System
☐ Northern
☐ Central
☐ Southern

Grid Origin Location: (Check if estimated:) ☐
Lat. _____ Long. _____ or
St. Plane _____ ft. N. _____ ft. E S/C/N/ Zone

Remarks: _____

FLUSH MOUNT MONITORING WELL
CONSTRUCTION SUMMARY

MWH

JOB NO. 2082302.06258901

Facility/Project Name Johnson Controls- Humboldt Blvd. Milwaukee, WI	Local Grid Location of Well ☐ N. ☐ E. ft. ☐ S. ft. ☐ W.	Well Name MW09
Type of Well Water Table Observation Well ■ Piezometer ☐	Grid Origin Location Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E.	Date Well Installed 9/19/2001
	Section Location of Waste/Source ☐ E. ☐ W.	Well Installed By: (Person's Name and Firm)
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source ■ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known	(Geologist) T. March-MWH (Driller) Giles Engineering

Watertight Cover elevation _____ ft. MSL

Well casing top elevation _____ ft. MSL

Land surface elevation _____ ft. MSL

Surface Seal, bottom _____ ft. MSL or _____ ft.

USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ■ CH ☐
Bedrock ☐

Sieve analysis attached? ☐ Yes ■ No

Drilling method used: Rotary ☐ Hollow Stem Auger ■ Other ☐

Drilling fluid used: Water ☐ Air ☐ Drilling Mud ☐ None ■

Drilling additives used? ☐ Yes ■ No

Describe _____

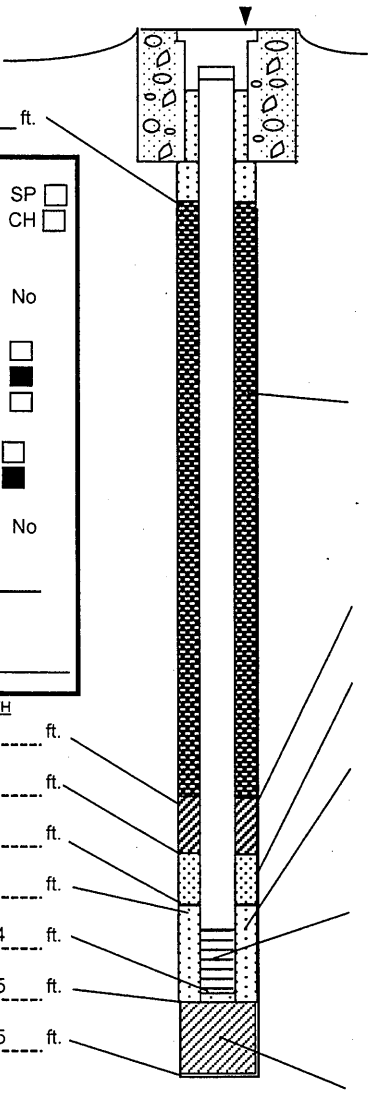
Source of water: N/A

	ELEVATION		DEPTH	
Bentonite seal, top	_____	ft. MSL or	1.0	ft.
Fine sand, top	_____	ft. MSL or	3.5	ft.
Filter pack, top	_____	ft. MSL or	4.0	ft.
Screen joint, top	_____	ft. MSL or	5.1	ft.
Well bottom	_____	ft. MSL or	15.4	ft.
Filter pack, bottom	_____	ft. MSL or	15.5	ft.
Borehole, bottom	_____	ft. MSL or	15.5	ft.

Borehole, diameter 8.5 in.

O.D. well casing 2.38 in.

I.D. well casing 2.05 in.



Bolt down water tight cover:
Inside Diameter: 9 (in.) Length 12 (in.)

Water tight well cap? Yes ■ No ☐
Lock? Yes ☐ No ☐

Surficial Seal: Concrete ■ Bentonite ☐

Sand Drainage? Yes ☐ No ■

Material between well casing and protective pipe:
Bentonite ☐
Annular space seal ☐
Other ■

Annular space seal: none ☐ Granular Bentonite ☐
_____ Lbs/gal mud weight... Bentonite-sand slurry ☐
_____ Lbs/gal mud weight..... Bentonite slurry ☐
_____ % Bentonite..... Bentonite-cement grout ☐
_____ cu ft volume added for any of the above

How installed:
Tremie ☐
Tremie pumped ☐
Gravity ☐

Bentonite seal:
☐ 1/4 in. ■ 3/8 in. ☐ 1/2 in.
Bentonite granules ■
Bentonite pellets ☐
Other ☐

Fine sand material: Manufacturer, product name & mesh size
American Materials, Red Flint, #45-55
Volume added 0.2 cu ft

Filter pack material: Manufacturer, product name & mesh size
American Materials, Red Flint, #30
Volume added 3.9 cu ft

Well casing:
Flush threaded PVC schedule 40 ■
Flush threaded PVC schedule 80 ☐
Other ☐

Screen material: PVC Schedule 40
Screen type:
Factory cut ■
Continuous slot ☐
Other ☐

Manufacturer Timco
Slot size: 0.010 in.
Slotted length: 9.8 ft.
Backfill material (below filter pack):
None ■
Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowlege.

Signature	Firm
TJM	MWH

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