



Stantec Consulting Services Inc.  
12075 Corporate Parkway, Suite 200, Mequon WI 53092

February 19, 2021

**Attention: Jeff Ackerman**

Wisconsin Department of Natural Resources  
3911 Fish Hatchery Road  
Fitchburg, Wisconsin 53711-5397

**Reference: Groundwater Monitoring Summary  
Care'n Cleaners, 735 West Main Street, Waupun, Wisconsin  
WDNR BRRTS #02-14-552053**

Dear Mr. Ackerman:

Stantec Consulting Services Inc. (Stantec) continues to investigate a tetrachloroethene (PCE) release at the above-referenced property (the Site), which is presently occupied by an active dry-cleaning business. During April 2020, the Wisconsin Department of Natural Resources (WDNR) requested a workplan and cost estimate for additional groundwater monitoring at the Site. Stantec submitted a workplan detailing proposed additional groundwater monitoring activities to the WDNR in a letter dated July 23, 2020 (Stantec, 2020). In a September 9, 2020 letter, the WDNR approved the workplan and stated that the investigation is eligible for reimbursement under the Drycleaner Environmental Response Fund (Ackerman, 2020). This letter summarizes the results of additional groundwater monitoring activities outlined in the workplan.

## **METHODS OF INVESTIGATION**

On October 7, 2020 and January 12, 2021, Stantec collected groundwater samples from existing groundwater monitoring wells MW1 through MW8, MW10, and PZ1. Prior to sampling, Stantec personnel measured water levels in all monitoring wells to evaluate groundwater flow conditions. Wells with expandable caps were opened and allowed to equilibrate prior to taking measurements. Measurements were made using a Slope Indicator electronic water level sensor (accuracy 0.01 feet). Stantec personnel recorded the water level depth, as well as the total well depth, in a bound field notebook. After measuring groundwater elevations, Stantec personnel purged and sampled groundwater from each monitoring well using a new polyethylene bailer in a manner such that disturbance to the water column was reduced. The groundwater samples were transferred to laboratory provided containers, placed on ice, and submitted to Eurofins for laboratory analysis. A duplicate sample was collected from MW4. Eurofins analyzed all groundwater samples for volatile organic compounds (VOCs). The Site layout is illustrated on Figure 1.

## **ADDITIONAL SITE INVESTIGATION RESULTS**

### **Groundwater**

Groundwater elevations measured in the monitoring wells are summarized on Table 1. The January 12, 2021 water table elevations and flow direction are illustrated on Figure 1. October 2020 and January 2021 water level data indicate that groundwater elevations decreased 7 to 10 feet from historically high-water levels recorded during October 2019. The water levels measured in October 2019 were significantly higher than all historical elevations likely due to the significant increase in precipitation that occurred in the Waupun area at that time. The water level elevations

**Reference:** Groundwater Monitoring Summary for Care'n Cleaners, 735 West Main Street, Waupun, Wisconsin; WDNR BRRTS #02-14-552053

measured during October 2020 and January 2021 are consistent with historical elevations which were generally consistent over time.

During January 2021, groundwater flow at the Site was generally flat with only a 0.24-foot difference in overall groundwater elevations across the Site. MW2, located on the western Site boundary appears to be the local groundwater high during January 2021 with groundwater flowing east away from this location. October 2020 groundwater flow conditions were very similar to those observed in January 2021. The easterly direction is generally consistent with historical groundwater flow.

PCE concentrations in groundwater ranged from <0.37 to 79 micrograms per liter (ug/L) with reported concentrations in MW1 through MW5, MW7, MW9, and MW10 continuing to exceed the Chapter NR140 Wisconsin Administrative Code (NR 140) enforcement standard (ES) of 5.0 ug/L. During the January 2021 sampling event, PCE in MW8 was less than the NR140 ES but exceeded the NR140 preventative action limit (PAL). PCE was not detected in MW6. The groundwater samples collected from PZ1 continued to have PCE concentrations exceeding the NR 140 PAL of 0.5 ug/L but less than the NR 140 ES. The PCE concentrations in groundwater significantly decreased in each of the wells except for MW3, MW7, and PZ1 as detailed below:

- MW1 – PCE concentrations decreased from 120 ug/L in October 2019 to 57 ug/L in January 2021.
- MW2 – PCE concentrations decreased from 110 ug/L in October 2019 to 69 ug/L in January 2021.
- MW4 – PCE concentrations decreased from 270 ug/L in October 2019 to 5.9 ug/L in January 2021.
- MW5 – PCE concentrations decreased from 160 ug/L in October 2019 to 50 ug/L in January 2021.
- MW6 – PCE concentrations decreased from 230 ug/L in October 2019 to below the laboratory limit of detection of 0.37 ug/L in January 2021.
- MW8 – PCE concentrations decreased below the NR 140 ES from 8.1 ug/L in October 2019 to 0.99 “J” ug/L in January 2021.
- MW10 – PCE concentrations decreased from 91 ug/L in October 2019 to 47 ug/L in January 2021.

Trichloroethene (TCE) was detected in monitoring wells MW1, MW2, MW5, and MW10. TCE detected in MW1 (0.92 ug/L) exceeded the NR 140 PAL, but was less than the ES of 5.0 ug/L. Cis 1,2-dichloroethene (cis 1,2-DCE) was detected in MW1 and MW10 at concentrations less than the NR 140 PAL. Toluene was detected in MW5 and MW8 at concentrations below the NR 140 PAL and the laboratory limit of quantification. No other VOCs were present above laboratory detection limits the groundwater samples collected from the groundwater monitoring wells.

The measured groundwater flow direction and extent of PCE in groundwater above the NR 140 ES are illustrated on Figure 1. Groundwater quality results are summarized on Table 2. Groundwater laboratory analytical reports and chain of custody records are included in Attachment A.



February 19, 2021  
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**Reference:** Groundwater Monitoring Summary for Care'n Cleaners, 735 West Main Street, Waupun, Wisconsin; WDNR BRRTS #02-14-552053

## CONCLUSIONS AND RECOMMENDATIONS

Measured PCE concentrations in groundwater significantly decreased during the recent sampling events compared to the concentrations measured in October 2019 which is likely attributable to the decrease in the groundwater table to historical elevations beneath the Site and continued attenuation of VOCs. Stantec recommends two additional quarterly groundwater monitoring events to provide additional data regarding long term groundwater quality. If PCE concentrations continue to decline or remain stable, preparation of a case closure request may be warranted.

## LIMITATIONS

Groundwater sampling activities were performed in accordance with generally accepted practices for the environmental consulting profession, undertaking similar studies at the same time and in the same geographical area as the work conducted by Stantec. Stantec observed the degree of care and skill that are generally exercised by the profession under similar circumstances and conditions. No other warranty is expressed or implied.

Stantec's observations, findings, and opinions should not be considered as scientific certainties, but only as opinion based on our professional judgment concerning the significance of the data gathered during the course of this investigation. Specifically, Stantec cannot represent that the Site does not contain any hazardous or toxic materials or other latent conditions beyond that observed by Stantec during the course of the investigation. Additionally, due to limitations of this investigation process and the necessary use of data furnished by others, Stantec and its subcontractors cannot assume liability if actual conditions differ from the information presented in this report.

Regards,

**STANTEC CONSULTING SERVICES INC.**

Rex A. Key, EIT  
Staff Geologist  
Tel: 262-665-4043  
Rex.Key@stantec.com

Christopher C. Hatfield, PG  
Associate / Senior Project Manager  
Tel: 414-687-3640  
Chris.Hatfield@stantec.com

c: Cal Lemmenes

**Reference:** Groundwater Monitoring Summary for Care'n Cleaners, 735 West Main Street, Waupun, Wisconsin; WDNR BRRTS #02-14-552053

## **REFERENCES**

Ackerman, Jeff (WDNR) letter to Cal Lemmenes (Care'n Cleaners LLC), "Workplan and Cost Estimate – Additional Groundwater Monitoring (dated July 23, 2020); Care'n Cleaners - 735 West Main Street, Waupun, Wisconsin; DNR BRRTS Activity # 02-14-552053" September 9, 2020.

Stantec Consulting Services Inc. letter to Jeff Ackerman (WDNR), "Workplan and Cost Estimate – Additional Groundwater Monitoring, Care'n Cleaners, 735 West Main Street, Waupun, Wisconsin; WDNR BRRTS #02-14-552053" July 23, 2020.

Wisconsin Department of Natural Resources, "Groundwater Quality," Wisconsin Administrative Code, Chapter NR 140, January 2020.

# **TABLES**

**Table 1: Water Level Data, Care'n Cleaners, 735 W Main St., Waupun, WI**

Well ID	Ground Surface Elevation (feet)	Reference Point Elevation (feet)	Date	Depth to Water (Feet Below Riser)	Water Table Elevation (feet)
MW1	97.77	97.28	08/09/11	22.83	74.45
			09/27/11	22.92	74.36
			04/20/12	21.21	76.07
			05/01/12	21.18	76.10
			08/28/12	24.45	72.83
			11/28/12	24.03	73.25
			08/07/14	22.50	74.78
			12/18/14	22.31	74.97
			06/03/16	21.63	75.65
			06/27/18	22.30	74.98
			10/03/19	14.33	82.95
			10/7/2020	22.61	74.67
			1/12/2021	23.31	73.97
MW2	97.52	96.89	08/09/11	21.96	74.93
			09/27/11	22.30	74.59
			04/20/12	20.62	76.27
			05/01/12	20.57	76.32
			08/28/12	23.86	73.03
			11/28/12	23.41	73.48
			08/07/14	21.87	75.02
			12/18/14	21.69	75.20
			06/03/16	21.03	75.86
			06/27/18	21.89	75.00
			10/03/19	13.92	82.97
			10/7/2020	22.23	74.66
			1/12/2021	22.88	74.01
MW3	97.48	97.02	08/09/11	22.23	74.79
			09/27/11	22.66	74.36
			04/20/12	20.94	76.08
			05/01/12	20.92	76.10
			08/28/12	24.22	72.80
			11/28/12	23.78	73.24
			08/07/14	22.20	74.82
			12/18/14	22.04	74.98
			06/03/16	21.38	75.64
			06/27/18	22.25	74.77
			10/03/19	14.06	82.96
			10/7/2020	22.59	74.43
			1/12/2021	23.25	73.77
MW4	98.13	97.57	08/09/11	22.87	74.70
			09/27/11	23.14	74.43
			04/20/12	21.39	76.18
			05/01/12	21.33	76.24
			08/28/12	24.71	72.86
			11/28/12	24.27	73.30
			08/07/14	22.71	74.86
			12/18/14	22.30	75.27
			06/03/16	21.83	75.74
			06/27/18	22.78	74.79
			10/03/19	14.26	83.31
			10/7/2020	23.06	74.51
			1/12/2021	23.74	73.83
MW5	98.19	97.56	04/20/12	-	-
			05/01/12	21.34	76.22
			08/28/12	24.77	72.79
			11/28/12	24.32	73.24
			08/07/14	22.75	74.81
			12/18/14	22.55	75.01
			06/03/16	21.81	75.75
			06/27/18	22.84	74.72
			10/03/19	14.50	83.06
			10/7/2020	23.11	74.45
			1/12/2021	23.80	73.76
MW6	97.58	97.10	04/20/12	-	-
			05/01/12	20.98	76.12
			08/28/12	24.12	72.98
			11/28/12	23.71	73.39
			08/07/14	22.83	74.27
			12/18/14	22.00	75.10
			06/03/16	21.41	75.69
			06/27/18	22.21	74.89
			10/03/19	14.23	82.87
			10/07/20	22.54	74.56
			01/12/21	23.22	73.88
MW7	97.45	96.79	08/07/14	22.83	73.96
			12/18/14	22.70	74.09
			06/03/16	21.71	75.08
			06/27/18	22.88	73.91
			10/03/19	14.16	82.63
			10/07/20	23.19	73.60
MW8	97.26	96.58	08/07/14	21.56	75.02
			12/18/14	21.39	75.19
			06/03/16	20.73	75.85
			06/27/18	21.65	74.93
			10/03/19	13.40	83.18
			10/07/20	21.94	74.64
MW9	95.88	95.39	08/07/14	20.02	75.37
			12/18/14	19.84	75.55
			06/03/16	19.26	76.13
			08/26/16	20.37	75.02
MW10	97.00	96.84	06/27/18	22.92	73.92
			10/03/19	14.50	82.34
			10/07/20	23.21	73.63
			01/12/21	23.91	72.93
PZ1	98.13	97.86	06/03/16	22.08	75.78
			06/27/18	23.09	74.77
			10/03/19	14.71	83.15
			10/07/20	23.31	74.55
			01/12/21	24.03	73.83

Note:  
 1) Bench mark is top bolt of fire hydrant (assigned an elevation of 100 feet) on northside of Main Street east of Fox Lake Road

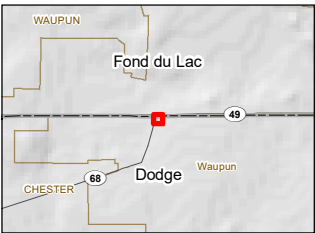
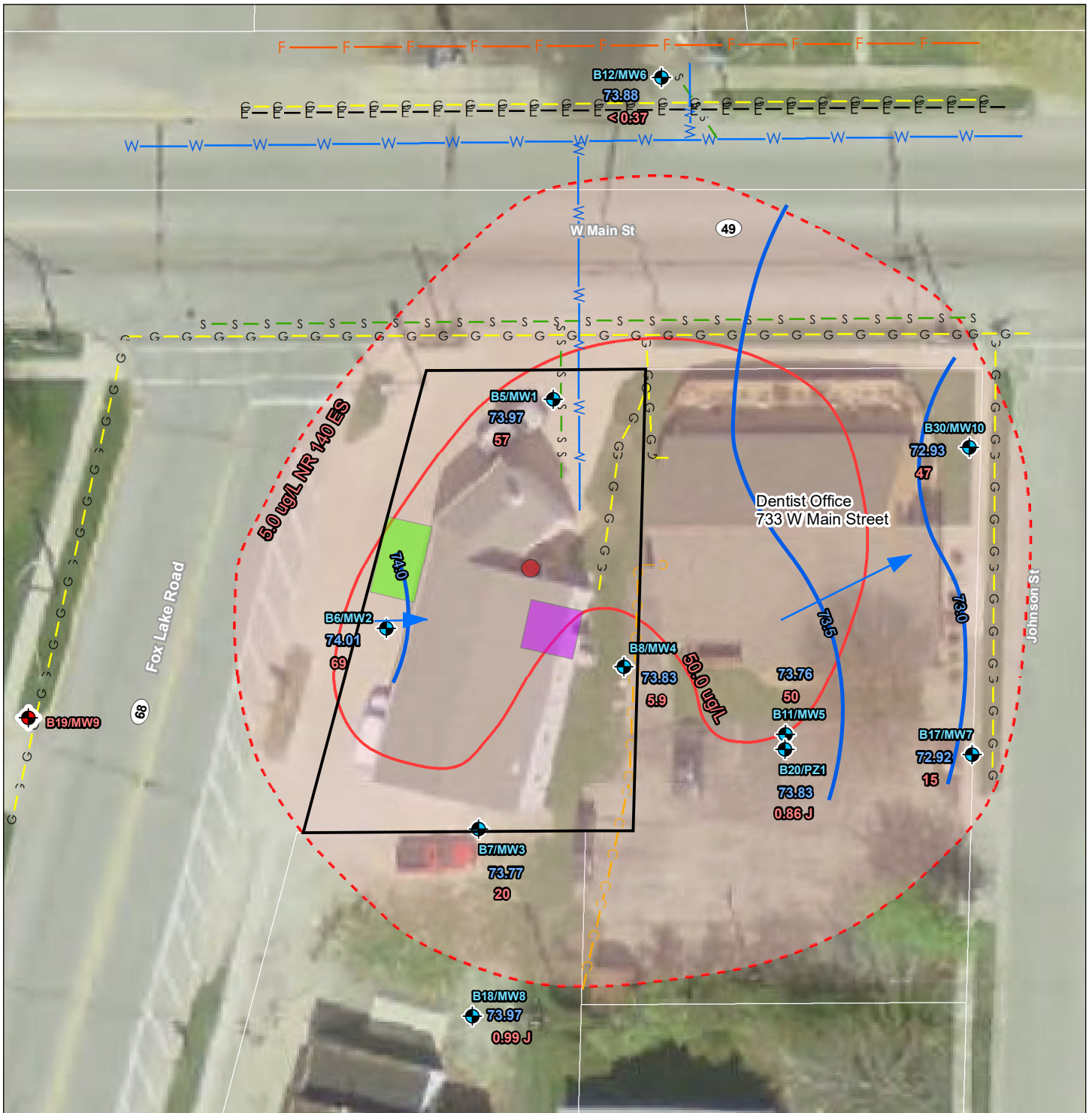


Well ID	Date Sampled	Water Table Elevation (feet)	Relevant and Significant VOC Analytical Results (µg/l)												
			Petroleum-Related VOCs							Chlorinated VOCs					
			n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Toluene	Trimethylbenzenes	Tetrachloroethene	Trichloroethene	cis 1,2-DCE	trans 1,2-DCE	Vinyl Chloride
NR 140 Preventive Action Limit (µg/l)			NE	NE	140	NE	NE	NE	160	96	0.5	0.5	7	20	0.02
NR 140 Enforcement Standard (µg/l)			NE	NE	700	NE	NE	NE	800	480	5	5	70	100	0.2
	06/27/18	73.91	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.15	<0.61	<b>8.9</b>	0.41 J	0.84 J	<0.35	<0.20
	10/03/19	82.63	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.15	<0.61	<b>17</b>	0.41 J	0.84 J	<0.35	<0.20
	10/07/20	73.60	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.15	<0.61	<b>13</b>	<0.16	<0.41	<0.35	<0.20
	01/12/21	72.92	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.15	<0.61	<b>15</b>	<0.16	<0.41	<0.35	<0.20
MW8	08/07/14	75.02	---	---	---	---	---	---	---	---	<u>0.69 J</u>	<0.33	<0.38	<0.35	<0.18
	12/18/14	75.19	---	---	---	---	---	---	---	---	<u>0.78 J</u>	<0.19	<0.12	<0.25	<0.10
	06/03/16	75.85	<0.39	<0.40	<0.18	<0.28	<0.36	<0.41	<0.15	<0.51	<u>1.2</u>	<0.16	<0.41	<0.35	<0.20
	06/27/18	74.93	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.15	<0.61	<u>2.2</u>	<0.16	<0.41	<0.35	<0.20
	10/03/19	83.18	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.15	<0.61	<b>8.1</b>	<0.16	<0.41	<0.35	<0.20
	10/07/20	74.64	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.15	<0.61	<b>5.2</b>	<0.16	<0.41	<0.35	<0.20
	01/12/21	73.97	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	0.20 J	<0.61	<u>0.99 J</u>	<0.16	<0.41	<0.35	<0.20
MW9	08/07/14	75.37	<0.35	<0.33	<0.55	<0.3	<0.31	<0.25	<0.69	<3.6	<0.33	<0.33	<0.38	<0.35	<0.18
	12/18/14	75.55	<0.13	<0.15	<0.13	<0.14	<0.17	<0.13	<0.11	<0.14	<b>16</b>	<0.19	<0.12	<0.25	<0.10
	06/03/16	76.13	<0.39	<0.40	<0.18	<0.28	<0.36	<0.41	<0.15	<0.51	<b>24</b>	<0.16	<0.41	<0.35	<0.20
	08/26/16	75.02	<0.39	<0.40	<0.18	<0.28	<0.36	<0.41	<0.15	<0.61	<b>26</b>	<0.16	<0.41	<0.35	<0.20
MW10	06/27/18	73.92	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.15	<0.61	<b>9.7</b>	<0.16	<0.41	<0.35	<0.20
	10/03/19	82.34	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.15	<0.61	<b>91</b>	<0.16	<0.41	<0.35	<0.20
	10/07/20	73.63	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.15	<0.61	<b>34</b>	<u>0.57</u>	0.53 J	<0.35	<0.20
	01/12/21	72.93	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.15	<0.61	<b>47</b>	0.35 J	1.1	<0.35	<0.20
PZ1	06/03/16	75.78	<0.39	<0.40	<0.18	<0.28	<0.36	<0.41	<0.15	<0.51	<u>1.0</u>	<0.16	<0.41	<0.35	<0.20
	10/03/19	83.15	<0.39	<0.40	<0.18	<0.28	<0.36	<0.41	<0.15	<0.51	<u>1.0</u>	<0.16	<0.41	<0.35	<0.20
	10/07/20	74.55	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.15	<0.61	<u>0.83 J</u>	<0.16	<0.41	<0.35	<0.20
	01/12/21	73.83	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.15	<0.61	<u>0.86 J</u>	<0.16	<0.41	<0.35	<0.20

Key:  
 NA = not applicable  
 µg/l = micrograms per liter  
 cis 1,2-DCE = cis 1,2-dichloroethene  
 trans 1,2-DCE = trans 1,2-dichloroethene  
 < X = Not detected above Laboratory Limit of Detection (LOD) of X.  
 J = Analyte detected between Limit of Detection and Limit of Quantitation  
 VOC = Volatile Organic Compound  
32 = NR 140 Preventive Action Limit Exceeded  
**32** = NR 140 Enforcement Standard Exceeded  
 \* = duplicate sample



# FIGURES



- Notes**
1. Coordinate System: NAD 1983 HARN WISCRS Dodge County Feet
  2. Data Sources Include: Stantec, NADS Orthophotography; ESRI

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data, the recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.

**Legend**

- Approximate Site Boundary
- ◆ Abandoned Monitoring Well
- ◆ Soil Borehole / Monitoring Well Location and Identification
- AST - PCE - Removed 1980s
- Former PCE Drycleaning Machine Area
- Former Gas UST Area
- Extent of Groundwater with PCE Concentrations Exceeding NR 140 ES (dashed where inferred)
- Groundwater Contour Line
- Electric
- Fiber Optic Line
- Buried Gas Line
- Sanitary Sewer
- Buried Communication Line
- Water Line
- 74.77 Groundwater Elevation (ft)
- 32 PCE Concentration in Groundwater (ug/L) - January 2021

Figure No. **1**  
 Title **Groundwater Contour Map**  
**January 12, 2021**

Client/Project  
 Care'N Cleaners  
 735 West Main Street  
 Waupun, Wisconsin

Project Location 193702865  
 T14N, R15E, S31 Prepared by AJS on 2016-07-05  
 C. of Waupun, Updated by AJS on 2021-02-17  
 Dodge Co., WI Independent Review by CCH on 2021-02-17



# **ATTACHMENT A**

LABORATORY ANALYSIS REPORTS AND CHAIN-OF-CUSTODY

## ANALYTICAL REPORT

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

Laboratory Job ID: 500-189035-1  
Client Project/Site: Care n Cleaners - 193702865

For:  
Stantec Consulting Corp.  
1165 Scheuring Road  
De Pere, Wisconsin 54115

Attn: Mr. Jeff Brand



Authorized for release by:  
10/16/2020 4:35:43 PM

Sandie Fredrick, Project Manager II  
(920)261-1660  
[sandra.fredrick@eurofinset.com](mailto:sandra.fredrick@eurofinset.com)

### LINKS

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Case Narrative

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

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## Job ID: 500-189035-1

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Laboratory: Eurofins TestAmerica, Chicago

### Narrative

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#### Job Narrative 500-189035-1

### Comments

No additional comments.

### Receipt

The samples were received on 10/8/2020 9:30 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8° C.

### GC/MS VOA

Method 8260B: The laboratory control sample (LCS) for 566656 recovered outside control limits for the following analytes: 1,2-Dibromo-3-Chloropropane and Dibromochloromethane. These analytes were biased low in the LCS and were not detected in the associated samples; therefore, the data have been reported. MW10 (500-189035-9), PZ1 (500-189035-10), DUP01 (500-189035-11) and TRIP BLANK (500-189035-12)

Method 8260B: The method blank for preparation batch 566656 contained Methylene chloride above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed. MW10 (500-189035-9), PZ1 (500-189035-10), DUP01 (500-189035-11) and TRIP BLANK (500-189035-12)

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



# Detection Summary

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

## Client Sample ID: MW1

## Lab Sample ID: 500-189035-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.85	J	1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	79		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	1.1		0.50	0.16	ug/L	1		8260B	Total/NA

## Client Sample ID: MW2

## Lab Sample ID: 500-189035-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	78		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	0.55		0.50	0.16	ug/L	1		8260B	Total/NA

## Client Sample ID: MW3

## Lab Sample ID: 500-189035-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	23		1.0	0.37	ug/L	1		8260B	Total/NA

## Client Sample ID: MW4

## Lab Sample ID: 500-189035-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	16		1.0	0.37	ug/L	1		8260B	Total/NA

## Client Sample ID: MW5

## Lab Sample ID: 500-189035-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.7		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	74		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	0.40	J	0.50	0.16	ug/L	1		8260B	Total/NA

## Client Sample ID: MW6

## Lab Sample ID: 500-189035-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.3		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	10		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	0.61		0.50	0.16	ug/L	1		8260B	Total/NA

## Client Sample ID: MW7

## Lab Sample ID: 500-189035-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	13		1.0	0.37	ug/L	1		8260B	Total/NA

## Client Sample ID: MW8

## Lab Sample ID: 500-189035-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	5.2		1.0	0.37	ug/L	1		8260B	Total/NA

## Client Sample ID: MW10

## Lab Sample ID: 500-189035-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.53	J	1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	34		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	0.57		0.50	0.16	ug/L	1		8260B	Total/NA

## Client Sample ID: PZ1

## Lab Sample ID: 500-189035-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.83	J	1.0	0.37	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

# Detection Summary

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: DUP01**

**Lab Sample ID: 500-189035-11**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	12		1.0	0.37	ug/L	1		8260B	Total/NA

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 500-189035-12**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

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# Method Summary

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

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

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# Sample Summary

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-189035-1	MW1	Water	10/07/20 10:30	10/08/20 09:30	
500-189035-2	MW2	Water	10/07/20 10:40	10/08/20 09:30	
500-189035-3	MW3	Water	10/07/20 11:30	10/08/20 09:30	
500-189035-4	MW4	Water	10/07/20 11:45	10/08/20 09:30	
500-189035-5	MW5	Water	10/07/20 12:40	10/08/20 09:30	
500-189035-6	MW6	Water	10/07/20 11:00	10/08/20 09:30	
500-189035-7	MW7	Water	10/07/20 12:45	10/08/20 09:30	
500-189035-8	MW8	Water	10/07/20 11:10	10/08/20 09:30	
500-189035-9	MW10	Water	10/07/20 12:50	10/08/20 09:30	
500-189035-10	PZ1	Water	10/07/20 12:35	10/08/20 09:30	
500-189035-11	DUP01	Water	10/07/20 00:00	10/08/20 09:30	
500-189035-12	TRIP BLANK	Water	10/07/20 00:00	10/08/20 09:30	

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW1**

**Lab Sample ID: 500-189035-1**

**Date Collected: 10/07/20 10:30**

**Matrix: Water**

**Date Received: 10/08/20 09:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/14/20 16:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/14/20 16:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/14/20 16:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/14/20 16:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/14/20 16:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/14/20 16:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/14/20 16:08	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/20 16:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/14/20 16:08	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/14/20 16:08	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/14/20 16:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/14/20 16:08	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/14/20 16:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/14/20 16:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/14/20 16:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/14/20 16:08	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/14/20 16:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/14/20 16:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/14/20 16:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/14/20 16:08	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/14/20 16:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/14/20 16:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/14/20 16:08	1
Benzene	<0.15		0.50	0.15	ug/L			10/14/20 16:08	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/14/20 16:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/14/20 16:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/14/20 16:08	1
Bromoform	<0.48		1.0	0.48	ug/L			10/14/20 16:08	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/14/20 16:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/14/20 16:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/14/20 16:08	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/14/20 16:08	1
Chloroform	<0.37		2.0	0.37	ug/L			10/14/20 16:08	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/14/20 16:08	1
<b>cis-1,2-Dichloroethene</b>	<b>0.85 J</b>		1.0	0.41	ug/L			10/14/20 16:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/14/20 16:08	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/14/20 16:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/14/20 16:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/14/20 16:08	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/14/20 16:08	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/14/20 16:08	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/14/20 16:08	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/14/20 16:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/14/20 16:08	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/14/20 16:08	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/14/20 16:08	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/14/20 16:08	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/14/20 16:08	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/14/20 16:08	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW1**

**Lab Sample ID: 500-189035-1**

**Date Collected: 10/07/20 10:30**

**Matrix: Water**

**Date Received: 10/08/20 09:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/14/20 16:08	1
Styrene	<0.39		1.0	0.39	ug/L			10/14/20 16:08	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/14/20 16:08	1
<b>Tetrachloroethene</b>	<b>79</b>		1.0	0.37	ug/L			10/14/20 16:08	1
Toluene	<0.15		0.50	0.15	ug/L			10/14/20 16:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/14/20 16:08	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/14/20 16:08	1
<b>Trichloroethene</b>	<b>1.1</b>		0.50	0.16	ug/L			10/14/20 16:08	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/14/20 16:08	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/14/20 16:08	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/14/20 16:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		75 - 126		10/14/20 16:08	1
4-Bromofluorobenzene (Surr)	90		72 - 124		10/14/20 16:08	1
Dibromofluoromethane (Surr)	111		75 - 120		10/14/20 16:08	1
Toluene-d8 (Surr)	96		75 - 120		10/14/20 16:08	1

# Client Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW2**

**Lab Sample ID: 500-189035-2**

**Date Collected: 10/07/20 10:40**

**Matrix: Water**

**Date Received: 10/08/20 09:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/14/20 16:36	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/14/20 16:36	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/14/20 16:36	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/14/20 16:36	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/14/20 16:36	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/14/20 16:36	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/14/20 16:36	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/20 16:36	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/14/20 16:36	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/14/20 16:36	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/14/20 16:36	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/14/20 16:36	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/14/20 16:36	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/14/20 16:36	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/14/20 16:36	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/14/20 16:36	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/14/20 16:36	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/14/20 16:36	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/14/20 16:36	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/14/20 16:36	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/14/20 16:36	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/14/20 16:36	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/14/20 16:36	1
Benzene	<0.15		0.50	0.15	ug/L			10/14/20 16:36	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/14/20 16:36	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/14/20 16:36	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/14/20 16:36	1
Bromoform	<0.48		1.0	0.48	ug/L			10/14/20 16:36	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/14/20 16:36	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/14/20 16:36	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/14/20 16:36	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/14/20 16:36	1
Chloroform	<0.37		2.0	0.37	ug/L			10/14/20 16:36	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/14/20 16:36	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/14/20 16:36	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/14/20 16:36	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/14/20 16:36	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/14/20 16:36	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/14/20 16:36	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/14/20 16:36	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/14/20 16:36	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/14/20 16:36	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/14/20 16:36	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/14/20 16:36	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/14/20 16:36	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/14/20 16:36	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/14/20 16:36	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/14/20 16:36	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/14/20 16:36	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW2**

**Lab Sample ID: 500-189035-2**

**Date Collected: 10/07/20 10:40**

**Matrix: Water**

**Date Received: 10/08/20 09:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/14/20 16:36	1
Styrene	<0.39		1.0	0.39	ug/L			10/14/20 16:36	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/14/20 16:36	1
<b>Tetrachloroethene</b>	<b>78</b>		1.0	0.37	ug/L			10/14/20 16:36	1
Toluene	<0.15		0.50	0.15	ug/L			10/14/20 16:36	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/14/20 16:36	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/14/20 16:36	1
<b>Trichloroethene</b>	<b>0.55</b>		0.50	0.16	ug/L			10/14/20 16:36	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/14/20 16:36	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/14/20 16:36	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/14/20 16:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		75 - 126		10/14/20 16:36	1
4-Bromofluorobenzene (Surr)	88		72 - 124		10/14/20 16:36	1
Dibromofluoromethane (Surr)	112		75 - 120		10/14/20 16:36	1
Toluene-d8 (Surr)	95		75 - 120		10/14/20 16:36	1

# Client Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW3**

**Lab Sample ID: 500-189035-3**

**Date Collected: 10/07/20 11:30**

**Matrix: Water**

**Date Received: 10/08/20 09:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/14/20 17:05	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/14/20 17:05	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/14/20 17:05	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/14/20 17:05	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/14/20 17:05	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/14/20 17:05	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/14/20 17:05	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/20 17:05	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/14/20 17:05	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/14/20 17:05	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/14/20 17:05	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/14/20 17:05	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/14/20 17:05	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/14/20 17:05	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/14/20 17:05	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/14/20 17:05	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/14/20 17:05	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/14/20 17:05	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/14/20 17:05	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/14/20 17:05	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/14/20 17:05	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/14/20 17:05	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/14/20 17:05	1
Benzene	<0.15		0.50	0.15	ug/L			10/14/20 17:05	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/14/20 17:05	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/14/20 17:05	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/14/20 17:05	1
Bromoform	<0.48		1.0	0.48	ug/L			10/14/20 17:05	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/14/20 17:05	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/14/20 17:05	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/14/20 17:05	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/14/20 17:05	1
Chloroform	<0.37		2.0	0.37	ug/L			10/14/20 17:05	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/14/20 17:05	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/14/20 17:05	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/14/20 17:05	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/14/20 17:05	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/14/20 17:05	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/14/20 17:05	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/14/20 17:05	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/14/20 17:05	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/14/20 17:05	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/14/20 17:05	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/14/20 17:05	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/14/20 17:05	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/14/20 17:05	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/14/20 17:05	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/14/20 17:05	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/14/20 17:05	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW3**

**Lab Sample ID: 500-189035-3**

**Date Collected: 10/07/20 11:30**

**Matrix: Water**

**Date Received: 10/08/20 09:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/14/20 17:05	1
Styrene	<0.39		1.0	0.39	ug/L			10/14/20 17:05	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/14/20 17:05	1
<b>Tetrachloroethene</b>	<b>23</b>		1.0	0.37	ug/L			10/14/20 17:05	1
Toluene	<0.15		0.50	0.15	ug/L			10/14/20 17:05	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/14/20 17:05	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/14/20 17:05	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/14/20 17:05	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/14/20 17:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/14/20 17:05	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/14/20 17:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		75 - 126		10/14/20 17:05	1
4-Bromofluorobenzene (Surr)	88		72 - 124		10/14/20 17:05	1
Dibromofluoromethane (Surr)	112		75 - 120		10/14/20 17:05	1
Toluene-d8 (Surr)	96		75 - 120		10/14/20 17:05	1



# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW4**  
**Date Collected: 10/07/20 11:45**  
**Date Received: 10/08/20 09:30**

**Lab Sample ID: 500-189035-4**  
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/14/20 17:33	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/14/20 17:33	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/14/20 17:33	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/14/20 17:33	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/14/20 17:33	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/14/20 17:33	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/14/20 17:33	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/20 17:33	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/14/20 17:33	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/14/20 17:33	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/14/20 17:33	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/14/20 17:33	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/14/20 17:33	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/14/20 17:33	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/14/20 17:33	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/14/20 17:33	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/14/20 17:33	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/14/20 17:33	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/14/20 17:33	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/14/20 17:33	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/14/20 17:33	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/14/20 17:33	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/14/20 17:33	1
Benzene	<0.15		0.50	0.15	ug/L			10/14/20 17:33	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/14/20 17:33	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/14/20 17:33	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/14/20 17:33	1
Bromoform	<0.48		1.0	0.48	ug/L			10/14/20 17:33	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/14/20 17:33	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/14/20 17:33	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/14/20 17:33	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/14/20 17:33	1
Chloroform	<0.37		2.0	0.37	ug/L			10/14/20 17:33	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/14/20 17:33	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/14/20 17:33	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/14/20 17:33	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/14/20 17:33	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/14/20 17:33	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/14/20 17:33	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/14/20 17:33	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/14/20 17:33	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/14/20 17:33	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/14/20 17:33	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/14/20 17:33	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/14/20 17:33	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/14/20 17:33	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/14/20 17:33	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/14/20 17:33	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/14/20 17:33	1

# Client Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW4**

**Lab Sample ID: 500-189035-4**

**Date Collected: 10/07/20 11:45**

**Matrix: Water**

**Date Received: 10/08/20 09:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/14/20 17:33	1
Styrene	<0.39		1.0	0.39	ug/L			10/14/20 17:33	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/14/20 17:33	1
<b>Tetrachloroethene</b>	<b>16</b>		1.0	0.37	ug/L			10/14/20 17:33	1
Toluene	<0.15		0.50	0.15	ug/L			10/14/20 17:33	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/14/20 17:33	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/14/20 17:33	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/14/20 17:33	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/14/20 17:33	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/14/20 17:33	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/14/20 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		75 - 126		10/14/20 17:33	1
4-Bromofluorobenzene (Surr)	91		72 - 124		10/14/20 17:33	1
Dibromofluoromethane (Surr)	113		75 - 120		10/14/20 17:33	1
Toluene-d8 (Surr)	95		75 - 120		10/14/20 17:33	1

# Client Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW5**

**Lab Sample ID: 500-189035-5**

**Date Collected: 10/07/20 12:40**

**Matrix: Water**

**Date Received: 10/08/20 09:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/14/20 18:02	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/14/20 18:02	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/14/20 18:02	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/14/20 18:02	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/14/20 18:02	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/14/20 18:02	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/14/20 18:02	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/20 18:02	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/14/20 18:02	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/14/20 18:02	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/14/20 18:02	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/14/20 18:02	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/14/20 18:02	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/14/20 18:02	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/14/20 18:02	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/14/20 18:02	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/14/20 18:02	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/14/20 18:02	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/14/20 18:02	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/14/20 18:02	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/14/20 18:02	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/14/20 18:02	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/14/20 18:02	1
Benzene	<0.15		0.50	0.15	ug/L			10/14/20 18:02	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/14/20 18:02	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/14/20 18:02	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/14/20 18:02	1
Bromoform	<0.48		1.0	0.48	ug/L			10/14/20 18:02	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/14/20 18:02	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/14/20 18:02	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/14/20 18:02	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/14/20 18:02	1
Chloroform	<0.37		2.0	0.37	ug/L			10/14/20 18:02	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/14/20 18:02	1
<b>cis-1,2-Dichloroethene</b>	<b>1.7</b>		1.0	0.41	ug/L			10/14/20 18:02	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/14/20 18:02	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/14/20 18:02	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/14/20 18:02	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/14/20 18:02	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/14/20 18:02	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/14/20 18:02	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/14/20 18:02	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/14/20 18:02	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/14/20 18:02	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/14/20 18:02	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/14/20 18:02	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/14/20 18:02	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/14/20 18:02	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/14/20 18:02	1

# Client Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW5**  
**Date Collected: 10/07/20 12:40**  
**Date Received: 10/08/20 09:30**

**Lab Sample ID: 500-189035-5**  
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/14/20 18:02	1
Styrene	<0.39		1.0	0.39	ug/L			10/14/20 18:02	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/14/20 18:02	1
<b>Tetrachloroethene</b>	<b>74</b>		1.0	0.37	ug/L			10/14/20 18:02	1
Toluene	<0.15		0.50	0.15	ug/L			10/14/20 18:02	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/14/20 18:02	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/14/20 18:02	1
<b>Trichloroethene</b>	<b>0.40 J</b>		0.50	0.16	ug/L			10/14/20 18:02	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/14/20 18:02	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/14/20 18:02	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/14/20 18:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		75 - 126		10/14/20 18:02	1
4-Bromofluorobenzene (Surr)	89		72 - 124		10/14/20 18:02	1
Dibromofluoromethane (Surr)	112		75 - 120		10/14/20 18:02	1
Toluene-d8 (Surr)	96		75 - 120		10/14/20 18:02	1

# Client Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW6**

**Lab Sample ID: 500-189035-6**

**Date Collected: 10/07/20 11:00**

**Matrix: Water**

**Date Received: 10/08/20 09:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/14/20 18:31	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/14/20 18:31	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/14/20 18:31	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/14/20 18:31	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/14/20 18:31	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/14/20 18:31	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/14/20 18:31	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/20 18:31	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/14/20 18:31	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/14/20 18:31	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/14/20 18:31	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/14/20 18:31	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/14/20 18:31	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/14/20 18:31	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/14/20 18:31	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/14/20 18:31	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/14/20 18:31	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/14/20 18:31	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/14/20 18:31	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/14/20 18:31	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/14/20 18:31	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/14/20 18:31	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/14/20 18:31	1
Benzene	<0.15		0.50	0.15	ug/L			10/14/20 18:31	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/14/20 18:31	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/14/20 18:31	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/14/20 18:31	1
Bromoform	<0.48		1.0	0.48	ug/L			10/14/20 18:31	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/14/20 18:31	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/14/20 18:31	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/14/20 18:31	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/14/20 18:31	1
Chloroform	<0.37		2.0	0.37	ug/L			10/14/20 18:31	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/14/20 18:31	1
<b>cis-1,2-Dichloroethene</b>	<b>1.3</b>		1.0	0.41	ug/L			10/14/20 18:31	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/14/20 18:31	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/14/20 18:31	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/14/20 18:31	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/14/20 18:31	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/14/20 18:31	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/14/20 18:31	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/14/20 18:31	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/14/20 18:31	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/14/20 18:31	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/14/20 18:31	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/14/20 18:31	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/14/20 18:31	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/14/20 18:31	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/14/20 18:31	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW6**

**Lab Sample ID: 500-189035-6**

**Date Collected: 10/07/20 11:00**

**Matrix: Water**

**Date Received: 10/08/20 09:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/14/20 18:31	1
Styrene	<0.39		1.0	0.39	ug/L			10/14/20 18:31	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/14/20 18:31	1
<b>Tetrachloroethene</b>	<b>10</b>		1.0	0.37	ug/L			10/14/20 18:31	1
Toluene	<0.15		0.50	0.15	ug/L			10/14/20 18:31	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/14/20 18:31	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/14/20 18:31	1
<b>Trichloroethene</b>	<b>0.61</b>		0.50	0.16	ug/L			10/14/20 18:31	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/14/20 18:31	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/14/20 18:31	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/14/20 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		75 - 126		10/14/20 18:31	1
4-Bromofluorobenzene (Surr)	90		72 - 124		10/14/20 18:31	1
Dibromofluoromethane (Surr)	114		75 - 120		10/14/20 18:31	1
Toluene-d8 (Surr)	95		75 - 120		10/14/20 18:31	1

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW7**

**Lab Sample ID: 500-189035-7**

**Date Collected: 10/07/20 12:45**

**Matrix: Water**

**Date Received: 10/08/20 09:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/14/20 18:59	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/14/20 18:59	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/14/20 18:59	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/14/20 18:59	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/14/20 18:59	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/14/20 18:59	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/14/20 18:59	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/20 18:59	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/14/20 18:59	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/14/20 18:59	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/14/20 18:59	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/14/20 18:59	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/14/20 18:59	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/14/20 18:59	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/14/20 18:59	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/14/20 18:59	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/14/20 18:59	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/14/20 18:59	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/14/20 18:59	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/14/20 18:59	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/14/20 18:59	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/14/20 18:59	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/14/20 18:59	1
Benzene	<0.15		0.50	0.15	ug/L			10/14/20 18:59	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/14/20 18:59	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/14/20 18:59	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/14/20 18:59	1
Bromoform	<0.48		1.0	0.48	ug/L			10/14/20 18:59	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/14/20 18:59	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/14/20 18:59	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/14/20 18:59	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/14/20 18:59	1
Chloroform	<0.37		2.0	0.37	ug/L			10/14/20 18:59	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/14/20 18:59	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/14/20 18:59	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/14/20 18:59	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/14/20 18:59	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/14/20 18:59	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/14/20 18:59	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/14/20 18:59	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/14/20 18:59	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/14/20 18:59	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/14/20 18:59	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/14/20 18:59	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/14/20 18:59	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/14/20 18:59	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/14/20 18:59	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/14/20 18:59	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/14/20 18:59	1

# Client Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW7**

**Lab Sample ID: 500-189035-7**

**Date Collected: 10/07/20 12:45**

**Matrix: Water**

**Date Received: 10/08/20 09:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/14/20 18:59	1
Styrene	<0.39		1.0	0.39	ug/L			10/14/20 18:59	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/14/20 18:59	1
<b>Tetrachloroethene</b>	<b>13</b>		1.0	0.37	ug/L			10/14/20 18:59	1
Toluene	<0.15		0.50	0.15	ug/L			10/14/20 18:59	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/14/20 18:59	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/14/20 18:59	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/14/20 18:59	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/14/20 18:59	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/14/20 18:59	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/14/20 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		75 - 126		10/14/20 18:59	1
4-Bromofluorobenzene (Surr)	91		72 - 124		10/14/20 18:59	1
Dibromofluoromethane (Surr)	114		75 - 120		10/14/20 18:59	1
Toluene-d8 (Surr)	96		75 - 120		10/14/20 18:59	1



# Client Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW8**

**Lab Sample ID: 500-189035-8**

**Date Collected: 10/07/20 11:10**

**Matrix: Water**

**Date Received: 10/08/20 09:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/14/20 19:27	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/14/20 19:27	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/14/20 19:27	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/14/20 19:27	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/14/20 19:27	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/14/20 19:27	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/14/20 19:27	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/20 19:27	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/14/20 19:27	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/14/20 19:27	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/14/20 19:27	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/14/20 19:27	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/14/20 19:27	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/14/20 19:27	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/14/20 19:27	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/14/20 19:27	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/14/20 19:27	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/14/20 19:27	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/14/20 19:27	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/14/20 19:27	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/14/20 19:27	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/14/20 19:27	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/14/20 19:27	1
Benzene	<0.15		0.50	0.15	ug/L			10/14/20 19:27	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/14/20 19:27	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/14/20 19:27	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/14/20 19:27	1
Bromoform	<0.48		1.0	0.48	ug/L			10/14/20 19:27	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/14/20 19:27	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/14/20 19:27	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/14/20 19:27	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/14/20 19:27	1
Chloroform	<0.37		2.0	0.37	ug/L			10/14/20 19:27	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/14/20 19:27	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/14/20 19:27	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/14/20 19:27	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/14/20 19:27	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/14/20 19:27	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/14/20 19:27	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/14/20 19:27	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/14/20 19:27	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/14/20 19:27	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/14/20 19:27	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/14/20 19:27	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/14/20 19:27	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/14/20 19:27	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/14/20 19:27	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/14/20 19:27	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/14/20 19:27	1

# Client Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW8**

**Lab Sample ID: 500-189035-8**

**Date Collected: 10/07/20 11:10**

**Matrix: Water**

**Date Received: 10/08/20 09:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/14/20 19:27	1
Styrene	<0.39		1.0	0.39	ug/L			10/14/20 19:27	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/14/20 19:27	1
<b>Tetrachloroethene</b>	<b>5.2</b>		1.0	0.37	ug/L			10/14/20 19:27	1
Toluene	<0.15		0.50	0.15	ug/L			10/14/20 19:27	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/14/20 19:27	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/14/20 19:27	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/14/20 19:27	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/14/20 19:27	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/14/20 19:27	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/14/20 19:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		75 - 126		10/14/20 19:27	1
4-Bromofluorobenzene (Surr)	91		72 - 124		10/14/20 19:27	1
Dibromofluoromethane (Surr)	114		75 - 120		10/14/20 19:27	1
Toluene-d8 (Surr)	96		75 - 120		10/14/20 19:27	1

# Client Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW10**

**Lab Sample ID: 500-189035-9**

**Date Collected: 10/07/20 12:50**

**Matrix: Water**

**Date Received: 10/08/20 09:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/15/20 17:46	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/15/20 17:46	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/15/20 17:46	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/15/20 17:46	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/15/20 17:46	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/15/20 17:46	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/15/20 17:46	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/15/20 17:46	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/15/20 17:46	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/15/20 17:46	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/15/20 17:46	1
1,2-Dibromo-3-Chloropropane	<2.0 *		5.0	2.0	ug/L			10/15/20 17:46	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/15/20 17:46	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/15/20 17:46	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/15/20 17:46	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/15/20 17:46	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/15/20 17:46	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/15/20 17:46	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/15/20 17:46	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/15/20 17:46	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/15/20 17:46	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/15/20 17:46	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/15/20 17:46	1
Benzene	<0.15		0.50	0.15	ug/L			10/15/20 17:46	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/15/20 17:46	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/15/20 17:46	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/15/20 17:46	1
Bromoform	<0.48		1.0	0.48	ug/L			10/15/20 17:46	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/15/20 17:46	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/15/20 17:46	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/15/20 17:46	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/15/20 17:46	1
Chloroform	<0.37		2.0	0.37	ug/L			10/15/20 17:46	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/15/20 17:46	1
<b>cis-1,2-Dichloroethene</b>	<b>0.53 J</b>		1.0	0.41	ug/L			10/15/20 17:46	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/15/20 17:46	1
Dibromochloromethane	<0.49 *		1.0	0.49	ug/L			10/15/20 17:46	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/15/20 17:46	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/15/20 17:46	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/15/20 17:46	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/15/20 17:46	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/15/20 17:46	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/15/20 17:46	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/15/20 17:46	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/15/20 17:46	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/15/20 17:46	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/15/20 17:46	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/15/20 17:46	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/15/20 17:46	1

# Client Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW10**

**Lab Sample ID: 500-189035-9**

**Date Collected: 10/07/20 12:50**

**Matrix: Water**

**Date Received: 10/08/20 09:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/20 17:46	1
Styrene	<0.39		1.0	0.39	ug/L			10/15/20 17:46	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/20 17:46	1
<b>Tetrachloroethene</b>	<b>34</b>		1.0	0.37	ug/L			10/15/20 17:46	1
Toluene	<0.15		0.50	0.15	ug/L			10/15/20 17:46	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/15/20 17:46	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/15/20 17:46	1
<b>Trichloroethene</b>	<b>0.57</b>		0.50	0.16	ug/L			10/15/20 17:46	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/15/20 17:46	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/15/20 17:46	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/15/20 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		75 - 126		10/15/20 17:46	1
4-Bromofluorobenzene (Surr)	92		72 - 124		10/15/20 17:46	1
Dibromofluoromethane (Surr)	88		75 - 120		10/15/20 17:46	1
Toluene-d8 (Surr)	95		75 - 120		10/15/20 17:46	1

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: PZ1**

**Lab Sample ID: 500-189035-10**

**Date Collected: 10/07/20 12:35**

**Matrix: Water**

**Date Received: 10/08/20 09:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/15/20 18:12	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/15/20 18:12	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/15/20 18:12	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/15/20 18:12	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/15/20 18:12	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/15/20 18:12	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/15/20 18:12	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/15/20 18:12	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/15/20 18:12	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/15/20 18:12	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/15/20 18:12	1
1,2-Dibromo-3-Chloropropane	<2.0 *		5.0	2.0	ug/L			10/15/20 18:12	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/15/20 18:12	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/15/20 18:12	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/15/20 18:12	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/15/20 18:12	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/15/20 18:12	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/15/20 18:12	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/15/20 18:12	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/15/20 18:12	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/15/20 18:12	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/15/20 18:12	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/15/20 18:12	1
Benzene	<0.15		0.50	0.15	ug/L			10/15/20 18:12	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/15/20 18:12	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/15/20 18:12	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/15/20 18:12	1
Bromoform	<0.48		1.0	0.48	ug/L			10/15/20 18:12	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/15/20 18:12	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/15/20 18:12	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/15/20 18:12	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/15/20 18:12	1
Chloroform	<0.37		2.0	0.37	ug/L			10/15/20 18:12	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/15/20 18:12	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/15/20 18:12	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/15/20 18:12	1
Dibromochloromethane	<0.49 *		1.0	0.49	ug/L			10/15/20 18:12	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/15/20 18:12	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/15/20 18:12	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/15/20 18:12	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/15/20 18:12	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/15/20 18:12	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/15/20 18:12	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/15/20 18:12	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/15/20 18:12	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/15/20 18:12	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/15/20 18:12	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/15/20 18:12	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/15/20 18:12	1

# Client Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: PZ1**

**Lab Sample ID: 500-189035-10**

**Date Collected: 10/07/20 12:35**

**Matrix: Water**

**Date Received: 10/08/20 09:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/20 18:12	1
Styrene	<0.39		1.0	0.39	ug/L			10/15/20 18:12	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/20 18:12	1
<b>Tetrachloroethene</b>	<b>0.83</b>	<b>J</b>	1.0	0.37	ug/L			10/15/20 18:12	1
Toluene	<0.15		0.50	0.15	ug/L			10/15/20 18:12	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/15/20 18:12	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/15/20 18:12	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/15/20 18:12	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/15/20 18:12	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/15/20 18:12	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/15/20 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		75 - 126		10/15/20 18:12	1
4-Bromofluorobenzene (Surr)	92		72 - 124		10/15/20 18:12	1
Dibromofluoromethane (Surr)	86		75 - 120		10/15/20 18:12	1
Toluene-d8 (Surr)	95		75 - 120		10/15/20 18:12	1

# Client Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: DUP01**

**Lab Sample ID: 500-189035-11**

**Date Collected: 10/07/20 00:00**

**Matrix: Water**

**Date Received: 10/08/20 09:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/15/20 18:39	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/15/20 18:39	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/15/20 18:39	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/15/20 18:39	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/15/20 18:39	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/15/20 18:39	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/15/20 18:39	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/15/20 18:39	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/15/20 18:39	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/15/20 18:39	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/15/20 18:39	1
1,2-Dibromo-3-Chloropropane	<2.0 *		5.0	2.0	ug/L			10/15/20 18:39	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/15/20 18:39	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/15/20 18:39	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/15/20 18:39	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/15/20 18:39	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/15/20 18:39	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/15/20 18:39	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/15/20 18:39	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/15/20 18:39	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/15/20 18:39	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/15/20 18:39	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/15/20 18:39	1
Benzene	<0.15		0.50	0.15	ug/L			10/15/20 18:39	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/15/20 18:39	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/15/20 18:39	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/15/20 18:39	1
Bromoform	<0.48		1.0	0.48	ug/L			10/15/20 18:39	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/15/20 18:39	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/15/20 18:39	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/15/20 18:39	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/15/20 18:39	1
Chloroform	<0.37		2.0	0.37	ug/L			10/15/20 18:39	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/15/20 18:39	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/15/20 18:39	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/15/20 18:39	1
Dibromochloromethane	<0.49 *		1.0	0.49	ug/L			10/15/20 18:39	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/15/20 18:39	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/15/20 18:39	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/15/20 18:39	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/15/20 18:39	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/15/20 18:39	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/15/20 18:39	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/15/20 18:39	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/15/20 18:39	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/15/20 18:39	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/15/20 18:39	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/15/20 18:39	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/15/20 18:39	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: DUP01**  
**Date Collected: 10/07/20 00:00**  
**Date Received: 10/08/20 09:30**

**Lab Sample ID: 500-189035-11**  
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/20 18:39	1
Styrene	<0.39		1.0	0.39	ug/L			10/15/20 18:39	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/20 18:39	1
<b>Tetrachloroethene</b>	<b>12</b>		1.0	0.37	ug/L			10/15/20 18:39	1
Toluene	<0.15		0.50	0.15	ug/L			10/15/20 18:39	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/15/20 18:39	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/15/20 18:39	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/15/20 18:39	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/15/20 18:39	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/15/20 18:39	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/15/20 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		75 - 126		10/15/20 18:39	1
4-Bromofluorobenzene (Surr)	92		72 - 124		10/15/20 18:39	1
Dibromofluoromethane (Surr)	86		75 - 120		10/15/20 18:39	1
Toluene-d8 (Surr)	96		75 - 120		10/15/20 18:39	1



# Client Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 500-189035-12**

Date Collected: 10/07/20 00:00

Matrix: Water

Date Received: 10/08/20 09:30

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/15/20 19:06	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/15/20 19:06	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/15/20 19:06	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/15/20 19:06	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/15/20 19:06	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/15/20 19:06	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/15/20 19:06	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/15/20 19:06	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/15/20 19:06	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/15/20 19:06	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/15/20 19:06	1
1,2-Dibromo-3-Chloropropane	<2.0 *		5.0	2.0	ug/L			10/15/20 19:06	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/15/20 19:06	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/15/20 19:06	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/15/20 19:06	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/15/20 19:06	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/15/20 19:06	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/15/20 19:06	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/15/20 19:06	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/15/20 19:06	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/15/20 19:06	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/15/20 19:06	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/15/20 19:06	1
Benzene	<0.15		0.50	0.15	ug/L			10/15/20 19:06	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/15/20 19:06	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/15/20 19:06	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/15/20 19:06	1
Bromoform	<0.48		1.0	0.48	ug/L			10/15/20 19:06	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/15/20 19:06	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/15/20 19:06	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/15/20 19:06	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/15/20 19:06	1
Chloroform	<0.37		2.0	0.37	ug/L			10/15/20 19:06	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/15/20 19:06	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/15/20 19:06	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/15/20 19:06	1
Dibromochloromethane	<0.49 *		1.0	0.49	ug/L			10/15/20 19:06	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/15/20 19:06	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/15/20 19:06	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/15/20 19:06	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/15/20 19:06	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/15/20 19:06	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/15/20 19:06	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/15/20 19:06	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/15/20 19:06	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/15/20 19:06	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/15/20 19:06	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/15/20 19:06	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/15/20 19:06	1

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 500-189035-12**

Date Collected: 10/07/20 00:00

Matrix: Water

Date Received: 10/08/20 09:30

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/20 19:06	1
Styrene	<0.39		1.0	0.39	ug/L			10/15/20 19:06	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/20 19:06	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/15/20 19:06	1
Toluene	<0.15		0.50	0.15	ug/L			10/15/20 19:06	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/15/20 19:06	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/15/20 19:06	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/15/20 19:06	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/15/20 19:06	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/15/20 19:06	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/15/20 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		75 - 126		10/15/20 19:06	1
4-Bromofluorobenzene (Surr)	92		72 - 124		10/15/20 19:06	1
Dibromofluoromethane (Surr)	87		75 - 120		10/15/20 19:06	1
Toluene-d8 (Surr)	94		75 - 120		10/15/20 19:06	1

# Definitions/Glossary

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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

# QC Association Summary

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

## GC/MS VOA

### Analysis Batch: 566441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-189035-1	MW1	Total/NA	Water	8260B	
500-189035-2	MW2	Total/NA	Water	8260B	
500-189035-3	MW3	Total/NA	Water	8260B	
500-189035-4	MW4	Total/NA	Water	8260B	
500-189035-5	MW5	Total/NA	Water	8260B	
500-189035-6	MW6	Total/NA	Water	8260B	
500-189035-7	MW7	Total/NA	Water	8260B	
500-189035-8	MW8	Total/NA	Water	8260B	
MB 500-566441/6	Method Blank	Total/NA	Water	8260B	
LCS 500-566441/4	Lab Control Sample	Total/NA	Water	8260B	
500-189035-8 MS	MW8	Total/NA	Water	8260B	
500-189035-8 MSD	MW8	Total/NA	Water	8260B	

### Analysis Batch: 566656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-189035-9	MW10	Total/NA	Water	8260B	
500-189035-10	PZ1	Total/NA	Water	8260B	
500-189035-11	DUP01	Total/NA	Water	8260B	
500-189035-12	TRIP BLANK	Total/NA	Water	8260B	
MB 500-566656/6	Method Blank	Total/NA	Water	8260B	
LCS 500-566656/4	Lab Control Sample	Total/NA	Water	8260B	
500-189035-11 MS	DUP01	Total/NA	Water	8260B	
500-189035-11 MSD	DUP01	Total/NA	Water	8260B	

# Surrogate Summary

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

**Matrix: Water**

**Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-189035-1	MW1	107	90	111	96
500-189035-2	MW2	111	88	112	95
500-189035-3	MW3	108	88	112	96
500-189035-4	MW4	111	91	113	95
500-189035-5	MW5	112	89	112	96
500-189035-6	MW6	112	90	114	95
500-189035-7	MW7	110	91	114	96
500-189035-8	MW8	112	91	114	96
500-189035-8 MS	MW8	107	90	109	96
500-189035-8 MSD	MW8	108	90	109	96
500-189035-9	MW10	90	92	88	95
500-189035-10	PZ1	90	92	86	95
500-189035-11	DUP01	90	92	86	96
500-189035-11 MS	DUP01	90	90	90	97
500-189035-11 MSD	DUP01	90	90	91	97
500-189035-12	TRIP BLANK	93	92	87	94
LCS 500-566441/4	Lab Control Sample	103	89	106	95
LCS 500-566656/4	Lab Control Sample	86	90	88	97
MB 500-566441/6	Method Blank	105	89	110	95
MB 500-566656/6	Method Blank	90	92	87	96

### Surrogate Legend

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

# QC Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 500-566441/6**  
**Matrix: Water**  
**Analysis Batch: 566441**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/14/20 11:19	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/14/20 11:19	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/14/20 11:19	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/14/20 11:19	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/14/20 11:19	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/14/20 11:19	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/14/20 11:19	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/20 11:19	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/14/20 11:19	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/14/20 11:19	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/14/20 11:19	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/14/20 11:19	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/14/20 11:19	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/14/20 11:19	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/14/20 11:19	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/14/20 11:19	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/14/20 11:19	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/14/20 11:19	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/14/20 11:19	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/14/20 11:19	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/14/20 11:19	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/14/20 11:19	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/14/20 11:19	1
Benzene	<0.15		0.50	0.15	ug/L			10/14/20 11:19	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/14/20 11:19	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/14/20 11:19	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/14/20 11:19	1
Bromoform	<0.48		1.0	0.48	ug/L			10/14/20 11:19	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/14/20 11:19	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/14/20 11:19	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/14/20 11:19	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/14/20 11:19	1
Chloroform	0.402	J	2.0	0.37	ug/L			10/14/20 11:19	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/14/20 11:19	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/14/20 11:19	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/14/20 11:19	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/14/20 11:19	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/14/20 11:19	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/14/20 11:19	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/14/20 11:19	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/14/20 11:19	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/14/20 11:19	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/14/20 11:19	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/14/20 11:19	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/14/20 11:19	1
Naphthalene	0.389	J	1.0	0.34	ug/L			10/14/20 11:19	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/14/20 11:19	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/14/20 11:19	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-566441/6**  
**Matrix: Water**  
**Analysis Batch: 566441**

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/14/20 11:19	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/14/20 11:19	1
Styrene	<0.39		1.0	0.39	ug/L			10/14/20 11:19	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/14/20 11:19	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/14/20 11:19	1
Toluene	<0.15		0.50	0.15	ug/L			10/14/20 11:19	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/14/20 11:19	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/14/20 11:19	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/14/20 11:19	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/14/20 11:19	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/14/20 11:19	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/14/20 11:19	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	105		75 - 126		10/14/20 11:19	1
4-Bromofluorobenzene (Surr)	89		72 - 124		10/14/20 11:19	1
Dibromofluoromethane (Surr)	110		75 - 120		10/14/20 11:19	1
Toluene-d8 (Surr)	95		75 - 120		10/14/20 11:19	1

**Lab Sample ID: LCS 500-566441/4**  
**Matrix: Water**  
**Analysis Batch: 566441**

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

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	50.0	53.4		ug/L		107	70 - 125
1,1,1-Trichloroethane	50.0	54.6		ug/L		109	70 - 125
1,1,1,2-Tetrachloroethane	50.0	44.8		ug/L		90	62 - 140
1,1,2-Trichloroethane	50.0	47.6		ug/L		95	71 - 130
1,1-Dichloroethane	50.0	49.5		ug/L		99	70 - 125
1,1-Dichloroethene	50.0	52.3		ug/L		105	67 - 122
1,1-Dichloropropene	50.0	55.3		ug/L		111	70 - 121
1,2,3-Trichlorobenzene	50.0	53.1		ug/L		106	51 - 145
1,2,3-Trichloropropane	50.0	47.5		ug/L		95	50 - 133
1,2,4-Trichlorobenzene	50.0	53.9		ug/L		108	57 - 137
1,2,4-Trimethylbenzene	50.0	50.8		ug/L		102	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	48.0		ug/L		96	56 - 123
1,2-Dibromoethane	50.0	48.2		ug/L		96	70 - 125
1,2-Dichlorobenzene	50.0	51.2		ug/L		102	70 - 125
1,2-Dichloroethane	50.0	50.7		ug/L		101	68 - 127
1,2-Dichloropropane	50.0	49.0		ug/L		98	67 - 130
1,3,5-Trimethylbenzene	50.0	50.7		ug/L		101	70 - 123
1,3-Dichlorobenzene	50.0	51.8		ug/L		104	70 - 125
1,3-Dichloropropane	50.0	49.2		ug/L		98	62 - 136
1,4-Dichlorobenzene	50.0	52.2		ug/L		104	70 - 120
2,2-Dichloropropane	50.0	51.5		ug/L		103	58 - 139
2-Chlorotoluene	50.0	49.5		ug/L		99	70 - 125
4-Chlorotoluene	50.0	50.3		ug/L		101	68 - 124
Benzene	50.0	51.9		ug/L		104	70 - 120

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-566441/4**  
**Matrix: Water**  
**Analysis Batch: 566441**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	50.0	50.5		ug/L		101	70 - 122
Bromochloromethane	50.0	54.6		ug/L		109	65 - 122
Bromodichloromethane	50.0	52.6		ug/L		105	69 - 120
Bromoform	50.0	54.0		ug/L		108	56 - 132
Bromomethane	50.0	69.5		ug/L		139	40 - 152
Carbon tetrachloride	50.0	58.0		ug/L		116	59 - 133
Chlorobenzene	50.0	51.8		ug/L		104	70 - 120
Chloroethane	50.0	49.1		ug/L		98	48 - 136
Chloroform	50.0	51.8		ug/L		104	70 - 120
Chloromethane	50.0	39.0		ug/L		78	56 - 152
cis-1,2-Dichloroethene	50.0	51.3		ug/L		103	70 - 125
cis-1,3-Dichloropropene	50.0	49.8		ug/L		100	64 - 127
Dibromochloromethane	50.0	52.1		ug/L		104	68 - 125
Dibromomethane	50.0	54.4		ug/L		109	70 - 120
Dichlorodifluoromethane	50.0	45.8		ug/L		92	40 - 159
Ethylbenzene	50.0	50.3		ug/L		101	70 - 123
Hexachlorobutadiene	50.0	56.4		ug/L		113	51 - 150
Isopropylbenzene	50.0	51.1		ug/L		102	70 - 126
Methyl tert-butyl ether	50.0	50.8		ug/L		102	55 - 123
Methylene Chloride	50.0	49.0		ug/L		98	69 - 125
Naphthalene	50.0	48.3		ug/L		97	53 - 144
n-Butylbenzene	50.0	52.6		ug/L		105	68 - 125
N-Propylbenzene	50.0	51.0		ug/L		102	69 - 127
p-Isopropyltoluene	50.0	50.4		ug/L		101	70 - 125
sec-Butylbenzene	50.0	51.1		ug/L		102	70 - 123
Styrene	50.0	51.5		ug/L		103	70 - 120
tert-Butylbenzene	50.0	49.1		ug/L		98	70 - 121
Tetrachloroethene	50.0	54.7		ug/L		109	70 - 128
Toluene	50.0	50.9		ug/L		102	70 - 125
trans-1,2-Dichloroethene	50.0	52.2		ug/L		104	70 - 125
trans-1,3-Dichloropropene	50.0	49.4		ug/L		99	62 - 128
Trichloroethene	50.0	57.8		ug/L		116	70 - 125
Trichlorofluoromethane	50.0	56.4		ug/L		113	55 - 128
Vinyl chloride	50.0	46.5		ug/L		93	64 - 126
Xylenes, Total	100	101		ug/L		101	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		75 - 126
4-Bromofluorobenzene (Surr)	89		72 - 124
Dibromofluoromethane (Surr)	106		75 - 120
Toluene-d8 (Surr)	95		75 - 120

**Lab Sample ID: 500-189035-8 MS**  
**Matrix: Water**  
**Analysis Batch: 566441**

**Client Sample ID: MW8**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	<0.46		50.0	50.6		ug/L		101	70 - 125

Eurofins TestAmerica, Chicago



# QC Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-189035-8 MS

Matrix: Water

Analysis Batch: 566441

Client Sample ID: MW8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	<0.38		50.0	52.2		ug/L		104	70 - 125
1,1,1,2-Tetrachloroethane	<0.40		50.0	42.0		ug/L		84	62 - 140
1,1,2-Trichloroethane	<0.35		50.0	43.9		ug/L		88	71 - 130
1,1-Dichloroethane	<0.41		50.0	47.0		ug/L		94	70 - 125
1,1-Dichloroethene	<0.39		50.0	48.4		ug/L		97	67 - 122
1,1-Dichloropropene	<0.30		50.0	51.5		ug/L		103	70 - 121
1,2,3-Trichlorobenzene	<0.46		50.0	46.0		ug/L		92	51 - 145
1,2,3-Trichloropropane	<0.41		50.0	44.3		ug/L		89	50 - 133
1,2,4-Trichlorobenzene	<0.34		50.0	44.8		ug/L		90	57 - 137
1,2,4-Trimethylbenzene	<0.36		50.0	47.1		ug/L		94	70 - 123
1,2-Dibromo-3-Chloropropane	<2.0		50.0	44.0		ug/L		88	56 - 123
1,2-Dibromoethane	<0.39		50.0	44.2		ug/L		88	70 - 125
1,2-Dichlorobenzene	<0.33		50.0	48.3		ug/L		97	70 - 125
1,2-Dichloroethane	<0.39		50.0	49.8		ug/L		100	68 - 127
1,2-Dichloropropane	<0.43		50.0	44.9		ug/L		90	67 - 130
1,3,5-Trimethylbenzene	<0.25		50.0	47.5		ug/L		95	70 - 123
1,3-Dichlorobenzene	<0.40		50.0	47.6		ug/L		95	70 - 125
1,3-Dichloropropane	<0.36		50.0	46.1		ug/L		92	62 - 136
1,4-Dichlorobenzene	<0.36		50.0	47.6		ug/L		95	70 - 120
2,2-Dichloropropane	<0.44		50.0	46.6		ug/L		93	58 - 139
2-Chlorotoluene	<0.31		50.0	46.9		ug/L		94	70 - 125
4-Chlorotoluene	<0.35		50.0	46.8		ug/L		94	68 - 124
Benzene	<0.15		50.0	48.6		ug/L		97	70 - 120
Bromobenzene	<0.36		50.0	48.3		ug/L		97	70 - 122
Bromochloromethane	<0.43		50.0	52.1		ug/L		104	65 - 122
Bromodichloromethane	<0.37		50.0	49.6		ug/L		99	69 - 120
Bromoform	<0.48		50.0	51.0		ug/L		102	56 - 132
Bromomethane	<0.80		50.0	64.6		ug/L		129	40 - 152
Carbon tetrachloride	<0.38		50.0	56.4		ug/L		113	59 - 133
Chlorobenzene	<0.39		50.0	48.3		ug/L		97	70 - 120
Chloroethane	<0.51		50.0	46.6		ug/L		93	48 - 136
Chloroform	<0.37		50.0	49.4		ug/L		99	70 - 120
Chloromethane	<0.32		50.0	33.4		ug/L		67	56 - 152
cis-1,2-Dichloroethene	<0.41		50.0	48.2		ug/L		96	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	45.2		ug/L		90	64 - 127
Dibromochloromethane	<0.49		50.0	49.3		ug/L		99	68 - 125
Dibromomethane	<0.27		50.0	51.4		ug/L		103	70 - 120
Dichlorodifluoromethane	<0.67		50.0	44.0		ug/L		88	40 - 159
Ethylbenzene	<0.18		50.0	46.8		ug/L		94	70 - 123
Hexachlorobutadiene	<0.45		50.0	51.2		ug/L		102	51 - 150
Isopropylbenzene	<0.39		50.0	48.3		ug/L		97	70 - 126
Methyl tert-butyl ether	<0.39		50.0	46.1		ug/L		92	55 - 123
Methylene Chloride	<1.6		50.0	45.7		ug/L		91	69 - 125
Naphthalene	<0.34		50.0	43.4		ug/L		87	53 - 144
n-Butylbenzene	<0.39		50.0	46.1		ug/L		92	68 - 125
N-Propylbenzene	<0.41		50.0	47.4		ug/L		95	69 - 127
p-Isopropyltoluene	<0.36		50.0	46.2		ug/L		92	70 - 125
sec-Butylbenzene	<0.40		50.0	47.7		ug/L		95	70 - 123
Styrene	<0.39		50.0	47.9		ug/L		96	70 - 120

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 500-189035-8 MS**  
**Matrix: Water**  
**Analysis Batch: 566441**

**Client Sample ID: MW8**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
tert-Butylbenzene	<0.40		50.0	46.8		ug/L		94	70 - 121
Tetrachloroethene	5.2		50.0	55.2		ug/L		100	70 - 128
Toluene	<0.15		50.0	47.7		ug/L		95	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	47.9		ug/L		96	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	45.2		ug/L		90	62 - 128
Trichloroethene	<0.16		50.0	53.7		ug/L		107	70 - 125
Trichlorofluoromethane	<0.43		50.0	55.9		ug/L		112	55 - 128
Vinyl chloride	<0.20		50.0	43.8		ug/L		88	64 - 126
Xylenes, Total	<0.22		100	94.3		ug/L		94	70 - 125

Surrogate	MS %Recovery	MS Qualifier	MS Limits
1,2-Dichloroethane-d4 (Surr)	107		75 - 126
4-Bromofluorobenzene (Surr)	90		72 - 124
Dibromofluoromethane (Surr)	109		75 - 120
Toluene-d8 (Surr)	96		75 - 120

**Lab Sample ID: 500-189035-8 MSD**  
**Matrix: Water**  
**Analysis Batch: 566441**

**Client Sample ID: MW8**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.46		50.0	50.1		ug/L		100	70 - 125	1	20
1,1,1-Trichloroethane	<0.38		50.0	51.8		ug/L		104	70 - 125	1	20
1,1,1,2-Tetrachloroethane	<0.40		50.0	42.0		ug/L		84	62 - 140	0	20
1,1,2-Trichloroethane	<0.35		50.0	43.6		ug/L		87	71 - 130	1	20
1,1-Dichloroethane	<0.41		50.0	46.6		ug/L		93	70 - 125	1	20
1,1-Dichloroethene	<0.39		50.0	47.5		ug/L		95	67 - 122	2	20
1,1-Dichloropropene	<0.30		50.0	50.4		ug/L		101	70 - 121	2	20
1,2,3-Trichlorobenzene	<0.46		50.0	46.7		ug/L		93	51 - 145	1	20
1,2,3-Trichloropropane	<0.41		50.0	43.7		ug/L		87	50 - 133	1	20
1,2,4-Trichlorobenzene	<0.34		50.0	44.3		ug/L		89	57 - 137	1	20
1,2,4-Trimethylbenzene	<0.36		50.0	46.4		ug/L		93	70 - 123	1	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	44.9		ug/L		90	56 - 123	2	20
1,2-Dibromoethane	<0.39		50.0	44.6		ug/L		89	70 - 125	1	20
1,2-Dichlorobenzene	<0.33		50.0	47.7		ug/L		95	70 - 125	1	20
1,2-Dichloroethane	<0.39		50.0	49.1		ug/L		98	68 - 127	1	20
1,2-Dichloropropane	<0.43		50.0	45.4		ug/L		91	67 - 130	1	20
1,3,5-Trimethylbenzene	<0.25		50.0	46.5		ug/L		93	70 - 123	2	20
1,3-Dichlorobenzene	<0.40		50.0	46.6		ug/L		93	70 - 125	2	20
1,3-Dichloropropane	<0.36		50.0	45.7		ug/L		91	62 - 136	1	20
1,4-Dichlorobenzene	<0.36		50.0	46.5		ug/L		93	70 - 120	2	20
2,2-Dichloropropane	<0.44		50.0	47.2		ug/L		94	58 - 139	1	20
2-Chlorotoluene	<0.31		50.0	46.1		ug/L		92	70 - 125	2	20
4-Chlorotoluene	<0.35		50.0	46.0		ug/L		92	68 - 124	2	20
Benzene	<0.15		50.0	48.2		ug/L		96	70 - 120	1	20
Bromobenzene	<0.36		50.0	47.2		ug/L		94	70 - 122	2	20
Bromochloromethane	<0.43		50.0	52.2		ug/L		104	65 - 122	0	20
Bromodichloromethane	<0.37		50.0	49.1		ug/L		98	69 - 120	1	20

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# QC Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 500-189035-8 MSD**  
**Matrix: Water**  
**Analysis Batch: 566441**

**Client Sample ID: MW8**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	<0.48		50.0	50.4		ug/L		101	56 - 132	1	20
Bromomethane	<0.80		50.0	64.9		ug/L		130	40 - 152	0	20
Carbon tetrachloride	<0.38		50.0	55.9		ug/L		112	59 - 133	1	20
Chlorobenzene	<0.39		50.0	47.6		ug/L		95	70 - 120	1	20
Chloroethane	<0.51		50.0	45.3		ug/L		91	48 - 136	3	20
Chloroform	<0.37		50.0	49.1		ug/L		98	70 - 120	1	20
Chloromethane	<0.32		50.0	37.0		ug/L		74	56 - 152	10	20
cis-1,2-Dichloroethene	<0.41		50.0	48.1		ug/L		96	70 - 125	0	20
cis-1,3-Dichloropropene	<0.42		50.0	44.8		ug/L		90	64 - 127	1	20
Dibromochloromethane	<0.49		50.0	49.6		ug/L		99	68 - 125	0	20
Dibromomethane	<0.27		50.0	50.8		ug/L		102	70 - 120	1	20
Dichlorodifluoromethane	<0.67		50.0	41.6		ug/L		83	40 - 159	6	20
Ethylbenzene	<0.18		50.0	45.8		ug/L		92	70 - 123	2	20
Hexachlorobutadiene	<0.45		50.0	50.5		ug/L		101	51 - 150	1	20
Isopropylbenzene	<0.39		50.0	47.6		ug/L		95	70 - 126	1	20
Methyl tert-butyl ether	<0.39		50.0	46.2		ug/L		92	55 - 123	0	20
Methylene Chloride	<1.6		50.0	46.2		ug/L		92	69 - 125	1	20
Naphthalene	<0.34		50.0	44.8		ug/L		90	53 - 144	3	20
n-Butylbenzene	<0.39		50.0	45.2		ug/L		90	68 - 125	2	20
N-Propylbenzene	<0.41		50.0	46.3		ug/L		93	69 - 127	2	20
p-Isopropyltoluene	<0.36		50.0	45.2		ug/L		90	70 - 125	2	20
sec-Butylbenzene	<0.40		50.0	47.1		ug/L		94	70 - 123	1	20
Styrene	<0.39		50.0	47.3		ug/L		95	70 - 120	1	20
tert-Butylbenzene	<0.40		50.0	46.2		ug/L		92	70 - 121	1	20
Tetrachloroethene	5.2		50.0	54.0		ug/L		98	70 - 128	2	20
Toluene	<0.15		50.0	46.8		ug/L		94	70 - 125	2	20
trans-1,2-Dichloroethene	<0.35		50.0	47.9		ug/L		96	70 - 125	0	20
trans-1,3-Dichloropropene	<0.36		50.0	45.5		ug/L		91	62 - 128	1	20
Trichloroethene	<0.16		50.0	53.7		ug/L		107	70 - 125	0	20
Trichlorofluoromethane	<0.43		50.0	53.1		ug/L		106	55 - 128	5	20
Vinyl chloride	<0.20		50.0	42.6		ug/L		85	64 - 126	3	20
Xylenes, Total	<0.22		100	92.7		ug/L		93	70 - 125	2	20

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	108		75 - 126
4-Bromofluorobenzene (Surr)	90		72 - 124
Dibromofluoromethane (Surr)	109		75 - 120
Toluene-d8 (Surr)	96		75 - 120

**Lab Sample ID: MB 500-566656/6**  
**Matrix: Water**  
**Analysis Batch: 566656**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/15/20 11:31	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/15/20 11:31	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/15/20 11:31	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/15/20 11:31	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-566656/6**  
**Matrix: Water**  
**Analysis Batch: 566656**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/15/20 11:31	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/15/20 11:31	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/15/20 11:31	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/15/20 11:31	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/15/20 11:31	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/15/20 11:31	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/15/20 11:31	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/15/20 11:31	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/15/20 11:31	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/15/20 11:31	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/15/20 11:31	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/15/20 11:31	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/15/20 11:31	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/15/20 11:31	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/15/20 11:31	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/15/20 11:31	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/15/20 11:31	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/15/20 11:31	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/15/20 11:31	1
Benzene	<0.15		0.50	0.15	ug/L			10/15/20 11:31	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/15/20 11:31	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/15/20 11:31	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/15/20 11:31	1
Bromoform	<0.48		1.0	0.48	ug/L			10/15/20 11:31	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/15/20 11:31	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/15/20 11:31	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/15/20 11:31	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/15/20 11:31	1
Chloroform	<0.37		2.0	0.37	ug/L			10/15/20 11:31	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/15/20 11:31	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/15/20 11:31	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/15/20 11:31	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/15/20 11:31	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/15/20 11:31	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/15/20 11:31	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/15/20 11:31	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/15/20 11:31	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/15/20 11:31	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/15/20 11:31	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/15/20 11:31	1
Methylene Chloride	5.54		5.0	1.6	ug/L			10/15/20 11:31	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/15/20 11:31	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/15/20 11:31	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/15/20 11:31	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/15/20 11:31	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/20 11:31	1
Styrene	<0.39		1.0	0.39	ug/L			10/15/20 11:31	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/20 11:31	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/15/20 11:31	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-566656/6**  
**Matrix: Water**  
**Analysis Batch: 566656**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.50	0.15	ug/L			10/15/20 11:31	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/15/20 11:31	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/15/20 11:31	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/15/20 11:31	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/15/20 11:31	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/15/20 11:31	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/15/20 11:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		75 - 126		10/15/20 11:31	1
4-Bromofluorobenzene (Surr)	92		72 - 124		10/15/20 11:31	1
Dibromofluoromethane (Surr)	87		75 - 120		10/15/20 11:31	1
Toluene-d8 (Surr)	96		75 - 120		10/15/20 11:31	1

**Lab Sample ID: LCS 500-566656/4**  
**Matrix: Water**  
**Analysis Batch: 566656**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	40.1		ug/L		80	70 - 125
1,1,1-Trichloroethane	50.0	41.8		ug/L		84	70 - 125
1,1,1,2-Tetrachloroethane	50.0	31.8		ug/L		64	62 - 140
1,1,2-Trichloroethane	50.0	37.1		ug/L		74	71 - 130
1,1-Dichloroethane	50.0	43.7		ug/L		87	70 - 125
1,1-Dichloroethene	50.0	41.4		ug/L		83	67 - 122
1,1-Dichloropropene	50.0	45.3		ug/L		91	70 - 121
1,2,3-Trichlorobenzene	50.0	40.6		ug/L		81	51 - 145
1,2,3-Trichloropropane	50.0	32.4		ug/L		65	50 - 133
1,2,4-Trichlorobenzene	50.0	41.9		ug/L		84	57 - 137
1,2,4-Trimethylbenzene	50.0	43.7		ug/L		87	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	26.3	*	ug/L		53	56 - 123
1,2-Dibromoethane	50.0	35.4		ug/L		71	70 - 125
1,2-Dichlorobenzene	50.0	39.6		ug/L		79	70 - 125
1,2-Dichloroethane	50.0	40.6		ug/L		81	68 - 127
1,2-Dichloropropane	50.0	45.4		ug/L		91	67 - 130
1,3,5-Trimethylbenzene	50.0	44.3		ug/L		89	70 - 123
1,3-Dichlorobenzene	50.0	42.9		ug/L		86	70 - 125
1,3-Dichloropropane	50.0	38.2		ug/L		76	62 - 136
1,4-Dichlorobenzene	50.0	42.2		ug/L		84	70 - 120
2,2-Dichloropropane	50.0	46.4		ug/L		93	58 - 139
2-Chlorotoluene	50.0	43.3		ug/L		87	70 - 125
4-Chlorotoluene	50.0	43.0		ug/L		86	68 - 124
Benzene	50.0	43.2		ug/L		86	70 - 120
Bromobenzene	50.0	38.5		ug/L		77	70 - 122
Bromochloromethane	50.0	39.5		ug/L		79	65 - 122
Bromodichloromethane	50.0	35.7		ug/L		71	69 - 120
Bromoform	50.0	31.0		ug/L		62	56 - 132
Bromomethane	50.0	48.1		ug/L		96	40 - 152

Euofins TestAmerica, Chicago

# QC Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-566656/4**  
**Matrix: Water**  
**Analysis Batch: 566656**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	50.0	40.8		ug/L		82	59 - 133
Chlorobenzene	50.0	44.1		ug/L		88	70 - 120
Chloroethane	50.0	53.6		ug/L		107	48 - 136
Chloroform	50.0	38.7		ug/L		77	70 - 120
Chloromethane	50.0	52.3		ug/L		105	56 - 152
cis-1,2-Dichloroethene	50.0	41.0		ug/L		82	70 - 125
cis-1,3-Dichloropropene	50.0	37.9		ug/L		76	64 - 127
Dibromochloromethane	50.0	33.0	*	ug/L		66	68 - 125
Dibromomethane	50.0	37.6		ug/L		75	70 - 120
Dichlorodifluoromethane	50.0	49.9		ug/L		100	40 - 159
Ethylbenzene	50.0	45.4		ug/L		91	70 - 123
Hexachlorobutadiene	50.0	50.2		ug/L		100	51 - 150
Isopropylbenzene	50.0	44.5		ug/L		89	70 - 126
Methyl tert-butyl ether	50.0	40.4		ug/L		81	55 - 123
Methylene Chloride	50.0	38.4		ug/L		77	69 - 125
Naphthalene	50.0	36.5		ug/L		73	53 - 144
n-Butylbenzene	50.0	50.1		ug/L		100	68 - 125
N-Propylbenzene	50.0	46.4		ug/L		93	69 - 127
p-Isopropyltoluene	50.0	49.9		ug/L		100	70 - 125
sec-Butylbenzene	50.0	47.1		ug/L		94	70 - 123
Styrene	50.0	42.4		ug/L		85	70 - 120
tert-Butylbenzene	50.0	46.5		ug/L		93	70 - 121
Tetrachloroethene	50.0	46.7		ug/L		93	70 - 128
Toluene	50.0	45.0		ug/L		90	70 - 125
trans-1,2-Dichloroethene	50.0	42.5		ug/L		85	70 - 125
trans-1,3-Dichloropropene	50.0	35.1		ug/L		70	62 - 128
Trichloroethene	50.0	45.0		ug/L		90	70 - 125
Trichlorofluoromethane	50.0	38.5		ug/L		77	55 - 128
Vinyl chloride	50.0	50.5		ug/L		101	64 - 126
Xylenes, Total	100	93.7		ug/L		94	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	86		75 - 126
4-Bromofluorobenzene (Surr)	90		72 - 124
Dibromofluoromethane (Surr)	88		75 - 120
Toluene-d8 (Surr)	97		75 - 120

**Lab Sample ID: 500-189035-11 MS**  
**Matrix: Water**  
**Analysis Batch: 566656**

**Client Sample ID: DUP01**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	<0.46		50.0	45.5		ug/L		91	70 - 125
1,1,1-Trichloroethane	<0.38		50.0	46.2		ug/L		92	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	37.0		ug/L		74	62 - 140
1,1,2-Trichloroethane	<0.35		50.0	42.7		ug/L		85	71 - 130
1,1-Dichloroethane	<0.41		50.0	49.6		ug/L		99	70 - 125
1,1-Dichloroethene	<0.39		50.0	46.1		ug/L		92	67 - 122

Eurofins TestAmerica, Chicago



# QC Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-189035-11 MS

Client Sample ID: DUP01

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 566656

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	<0.30		50.0	48.7		ug/L		97	70 - 121
1,2,3-Trichlorobenzene	<0.46		50.0	44.6		ug/L		89	51 - 145
1,2,3-Trichloropropane	<0.41		50.0	37.6		ug/L		75	50 - 133
1,2,4-Trichlorobenzene	<0.34		50.0	45.1		ug/L		90	57 - 137
1,2,4-Trimethylbenzene	<0.36		50.0	48.7		ug/L		97	70 - 123
1,2-Dibromo-3-Chloropropane	<2.0 *		50.0	29.0		ug/L		58	56 - 123
1,2-Dibromoethane	<0.39		50.0	40.4		ug/L		81	70 - 125
1,2-Dichlorobenzene	<0.33		50.0	45.6		ug/L		91	70 - 125
1,2-Dichloroethane	<0.39		50.0	48.2		ug/L		96	68 - 127
1,2-Dichloropropane	<0.43		50.0	51.6		ug/L		103	67 - 130
1,3,5-Trimethylbenzene	<0.25		50.0	49.1		ug/L		98	70 - 123
1,3-Dichlorobenzene	<0.40		50.0	48.1		ug/L		96	70 - 125
1,3-Dichloropropane	<0.36		50.0	43.9		ug/L		88	62 - 136
1,4-Dichlorobenzene	<0.36		50.0	47.6		ug/L		95	70 - 120
2,2-Dichloropropane	<0.44		50.0	48.0		ug/L		96	58 - 139
2-Chlorotoluene	<0.31		50.0	48.6		ug/L		97	70 - 125
4-Chlorotoluene	<0.35		50.0	47.9		ug/L		96	68 - 124
Benzene	<0.15		50.0	48.9		ug/L		98	70 - 120
Bromobenzene	<0.36		50.0	44.1		ug/L		88	70 - 122
Bromochloromethane	<0.43		50.0	45.7		ug/L		91	65 - 122
Bromodichloromethane	<0.37		50.0	40.9		ug/L		82	69 - 120
Bromoform	<0.48		50.0	35.0		ug/L		70	56 - 132
Bromomethane	<0.80		50.0	56.0		ug/L		112	40 - 152
Carbon tetrachloride	<0.38		50.0	44.8		ug/L		90	59 - 133
Chlorobenzene	<0.39		50.0	49.8		ug/L		100	70 - 120
Chloroethane	<0.51		50.0	61.7		ug/L		123	48 - 136
Chloroform	<0.37		50.0	44.6		ug/L		89	70 - 120
Chloromethane	<0.32		50.0	60.3		ug/L		121	56 - 152
cis-1,2-Dichloroethene	<0.41		50.0	46.4		ug/L		93	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	41.3		ug/L		83	64 - 127
Dibromochloromethane	<0.49 *		50.0	37.4		ug/L		75	68 - 125
Dibromomethane	<0.27		50.0	44.0		ug/L		88	70 - 120
Dichlorodifluoromethane	<0.67		50.0	55.7		ug/L		111	40 - 159
Ethylbenzene	<0.18		50.0	50.2		ug/L		100	70 - 123
Hexachlorobutadiene	<0.45		50.0	55.3		ug/L		111	51 - 150
Isopropylbenzene	<0.39		50.0	49.5		ug/L		99	70 - 126
Methyl tert-butyl ether	<0.39		50.0	47.1		ug/L		94	55 - 123
Methylene Chloride	<1.6		50.0	43.0		ug/L		86	69 - 125
Naphthalene	<0.34		50.0	41.0		ug/L		82	53 - 144
n-Butylbenzene	<0.39		50.0	54.5		ug/L		109	68 - 125
N-Propylbenzene	<0.41		50.0	51.1		ug/L		102	69 - 127
p-Isopropyltoluene	<0.36		50.0	55.1		ug/L		110	70 - 125
sec-Butylbenzene	<0.40		50.0	52.1		ug/L		104	70 - 123
Styrene	<0.39		50.0	47.9		ug/L		96	70 - 120
tert-Butylbenzene	<0.40		50.0	51.8		ug/L		104	70 - 121
Tetrachloroethene	12		50.0	63.4		ug/L		102	70 - 128
Toluene	<0.15		50.0	49.6		ug/L		99	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	47.7		ug/L		95	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	38.3		ug/L		77	62 - 128

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 500-189035-11 MS**

**Matrix: Water**

**Analysis Batch: 566656**

**Client Sample ID: DUP01**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	<0.16		50.0	49.7		ug/L		99	70 - 125
Trichlorofluoromethane	<0.43		50.0	43.9		ug/L		88	55 - 128
Vinyl chloride	<0.20		50.0	57.2		ug/L		114	64 - 126
Xylenes, Total	<0.22		100	104		ug/L		104	70 - 125

Surrogate	MS %Recovery	MS Qualifier	MS Limits
1,2-Dichloroethane-d4 (Surr)	90		75 - 126
4-Bromofluorobenzene (Surr)	90		72 - 124
Dibromofluoromethane (Surr)	90		75 - 120
Toluene-d8 (Surr)	97		75 - 120

**Lab Sample ID: 500-189035-11 MSD**

**Matrix: Water**

**Analysis Batch: 566656**

**Client Sample ID: DUP01**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.46		50.0	44.6		ug/L		89	70 - 125	2	20
1,1,1-Trichloroethane	<0.38		50.0	44.4		ug/L		89	70 - 125	4	20
1,1,1,2-Tetrachloroethane	<0.40		50.0	36.6		ug/L		73	62 - 140	1	20
1,1,1,2-Trichloroethane	<0.35		50.0	41.9		ug/L		84	71 - 130	2	20
1,1-Dichloroethane	<0.41		50.0	47.8		ug/L		96	70 - 125	4	20
1,1-Dichloroethene	<0.39		50.0	43.8		ug/L		88	67 - 122	5	20
1,1-Dichloropropene	<0.30		50.0	46.9		ug/L		94	70 - 121	4	20
1,2,3-Trichlorobenzene	<0.46		50.0	44.9		ug/L		90	51 - 145	1	20
1,2,3-Trichloropropane	<0.41		50.0	37.1		ug/L		74	50 - 133	1	20
1,2,4-Trichlorobenzene	<0.34		50.0	44.7		ug/L		89	57 - 137	1	20
1,2,4-Trimethylbenzene	<0.36		50.0	47.1		ug/L		94	70 - 123	3	20
1,2-Dibromo-3-Chloropropane	<2.0 *		50.0	30.3		ug/L		61	56 - 123	4	20
1,2-Dibromoethane	<0.39		50.0	40.1		ug/L		80	70 - 125	1	20
1,2-Dichlorobenzene	<0.33		50.0	44.5		ug/L		89	70 - 125	2	20
1,2-Dichloroethane	<0.39		50.0	46.2		ug/L		92	68 - 127	4	20
1,2-Dichloropropane	<0.43		50.0	49.9		ug/L		100	67 - 130	3	20
1,3,5-Trimethylbenzene	<0.25		50.0	47.1		ug/L		94	70 - 123	4	20
1,3-Dichlorobenzene	<0.40		50.0	46.8		ug/L		94	70 - 125	3	20
1,3-Dichloropropane	<0.36		50.0	43.0		ug/L		86	62 - 136	2	20
1,4-Dichlorobenzene	<0.36		50.0	45.8		ug/L		92	70 - 120	4	20
2,2-Dichloropropane	<0.44		50.0	47.3		ug/L		95	58 - 139	1	20
2-Chlorotoluene	<0.31		50.0	46.6		ug/L		93	70 - 125	4	20
4-Chlorotoluene	<0.35		50.0	46.1		ug/L		92	68 - 124	4	20
Benzene	<0.15		50.0	47.4		ug/L		95	70 - 120	3	20
Bromobenzene	<0.36		50.0	42.7		ug/L		85	70 - 122	3	20
Bromochloromethane	<0.43		50.0	45.4		ug/L		91	65 - 122	1	20
Bromodichloromethane	<0.37		50.0	40.2		ug/L		80	69 - 120	2	20
Bromoform	<0.48		50.0	34.5		ug/L		69	56 - 132	1	20
Bromomethane	<0.80		50.0	53.2		ug/L		106	40 - 152	5	20
Carbon tetrachloride	<0.38		50.0	43.9		ug/L		88	59 - 133	2	20
Chlorobenzene	<0.39		50.0	48.4		ug/L		97	70 - 120	3	20
Chloroethane	<0.51		50.0	58.2		ug/L		116	48 - 136	6	20

Eurofins TestAmerica, Chicago



# QC Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 500-189035-11 MSD**

**Matrix: Water**

**Analysis Batch: 566656**

**Client Sample ID: DUP01**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroform	<0.37		50.0	43.1		ug/L		86	70 - 120	4	20
Chloromethane	<0.32		50.0	56.1		ug/L		112	56 - 152	7	20
cis-1,2-Dichloroethene	<0.41		50.0	45.3		ug/L		91	70 - 125	2	20
cis-1,3-Dichloropropene	<0.42		50.0	40.9		ug/L		82	64 - 127	1	20
Dibromochloromethane	<0.49	*	50.0	37.2		ug/L		74	68 - 125	1	20
Dibromomethane	<0.27		50.0	42.4		ug/L		85	70 - 120	4	20
Dichlorodifluoromethane	<0.67		50.0	55.1		ug/L		110	40 - 159	1	20
Ethylbenzene	<0.18		50.0	48.3		ug/L		97	70 - 123	4	20
Hexachlorobutadiene	<0.45		50.0	54.6		ug/L		109	51 - 150	1	20
Isopropylbenzene	<0.39		50.0	47.2		ug/L		94	70 - 126	5	20
Methyl tert-butyl ether	<0.39		50.0	46.0		ug/L		92	55 - 123	2	20
Methylene Chloride	<1.6		50.0	41.7		ug/L		83	69 - 125	3	20
Naphthalene	<0.34		50.0	41.1		ug/L		82	53 - 144	0	20
n-Butylbenzene	<0.39		50.0	52.6		ug/L		105	68 - 125	3	20
N-Propylbenzene	<0.41		50.0	48.7		ug/L		97	69 - 127	5	20
p-Isopropyltoluene	<0.36		50.0	52.9		ug/L		106	70 - 125	4	20
sec-Butylbenzene	<0.40		50.0	49.8		ug/L		100	70 - 123	5	20
Styrene	<0.39		50.0	46.2		ug/L		92	70 - 120	4	20
tert-Butylbenzene	<0.40		50.0	49.7		ug/L		99	70 - 121	4	20
Tetrachloroethene	12		50.0	61.1		ug/L		98	70 - 128	4	20
Toluene	<0.15		50.0	47.9		ug/L		96	70 - 125	4	20
trans-1,2-Dichloroethene	<0.35		50.0	45.7		ug/L		91	70 - 125	4	20
trans-1,3-Dichloropropene	<0.36		50.0	38.3		ug/L		77	62 - 128	0	20
Trichloroethene	<0.16		50.0	47.9		ug/L		96	70 - 125	4	20
Trichlorofluoromethane	<0.43		50.0	41.1		ug/L		82	55 - 128	7	20
Vinyl chloride	<0.20		50.0	54.5		ug/L		109	64 - 126	5	20
Xylenes, Total	<0.22		100	101		ug/L		101	70 - 125	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		75 - 126
4-Bromofluorobenzene (Surr)	90		72 - 124
Dibromofluoromethane (Surr)	91		75 - 120
Toluene-d8 (Surr)	97		75 - 120

# Lab Chronicle

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW1**  
**Date Collected: 10/07/20 10:30**  
**Date Received: 10/08/20 09:30**

**Lab Sample ID: 500-189035-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	566441	10/14/20 16:08	PMF	TAL CHI

**Client Sample ID: MW2**  
**Date Collected: 10/07/20 10:40**  
**Date Received: 10/08/20 09:30**

**Lab Sample ID: 500-189035-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	566441	10/14/20 16:36	PMF	TAL CHI

**Client Sample ID: MW3**  
**Date Collected: 10/07/20 11:30**  
**Date Received: 10/08/20 09:30**

**Lab Sample ID: 500-189035-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	566441	10/14/20 17:05	PMF	TAL CHI

**Client Sample ID: MW4**  
**Date Collected: 10/07/20 11:45**  
**Date Received: 10/08/20 09:30**

**Lab Sample ID: 500-189035-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	566441	10/14/20 17:33	PMF	TAL CHI

**Client Sample ID: MW5**  
**Date Collected: 10/07/20 12:40**  
**Date Received: 10/08/20 09:30**

**Lab Sample ID: 500-189035-5**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	566441	10/14/20 18:02	PMF	TAL CHI

**Client Sample ID: MW6**  
**Date Collected: 10/07/20 11:00**  
**Date Received: 10/08/20 09:30**

**Lab Sample ID: 500-189035-6**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	566441	10/14/20 18:31	PMF	TAL CHI

**Client Sample ID: MW7**  
**Date Collected: 10/07/20 12:45**  
**Date Received: 10/08/20 09:30**

**Lab Sample ID: 500-189035-7**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	566441	10/14/20 18:59	PMF	TAL CHI

# Lab Chronicle

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

**Client Sample ID: MW8**  
**Date Collected: 10/07/20 11:10**  
**Date Received: 10/08/20 09:30**

**Lab Sample ID: 500-189035-8**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	566441	10/14/20 19:27	PMF	TAL CHI

**Client Sample ID: MW10**  
**Date Collected: 10/07/20 12:50**  
**Date Received: 10/08/20 09:30**

**Lab Sample ID: 500-189035-9**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	566656	10/15/20 17:46	PMF	TAL CHI

**Client Sample ID: PZ1**  
**Date Collected: 10/07/20 12:35**  
**Date Received: 10/08/20 09:30**

**Lab Sample ID: 500-189035-10**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	566656	10/15/20 18:12	PMF	TAL CHI

**Client Sample ID: DUP01**  
**Date Collected: 10/07/20 00:00**  
**Date Received: 10/08/20 09:30**

**Lab Sample ID: 500-189035-11**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	566656	10/15/20 18:39	PMF	TAL CHI

**Client Sample ID: TRIP BLANK**  
**Date Collected: 10/07/20 00:00**  
**Date Received: 10/08/20 09:30**

**Lab Sample ID: 500-189035-12**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	566656	10/15/20 19:06	PMF	TAL CHI

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners - 193702865

Job ID: 500-189035-1

## Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

- 1
- 2
- 3
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- 13
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# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)  
Contact: JEFF BRAND  
Company: STANTEC  
Address: 1165 SCHEURING RD  
DE PERE, WI 54115  
Phone: 920 592 8400  
Fax: \_\_\_\_\_  
E-Mail: Jeff.brand@stantec.com

Bill To (optional)  
Contact: Same  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# 193702865

## Chain of Custody Record

Lab Job #: 500-189035  
Chain of Custody Number: \_\_\_\_\_  
Page 1 of 2  
Temperature °C of Cooler: 21.8

Client <u>STANTEC</u>		Client Project # <u>193702865</u>		Preservative <u>HCL</u>																Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other		
Project Name <u>Core n Cleaners</u>				Parameter <u>VOC</u>																		
Project Location/State <u>WISCONSIN</u>				Lab Project #																		
Sampler <u>TYLER HISCHKE</u>				Lab PM <u>SANDIE FREEMAN</u>																		
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix																
			Date	Time																		
<u>1</u>		<u>MW1</u>	<u>10/7/20</u>	<u>1030</u>	<u>3</u>	<u>W</u>	<u>X</u>															
<u>2</u>		<u>MW2</u>		<u>1040</u>			<u>X</u>															
<u>3</u>		<u>MW3</u>		<u>1130</u>			<u>X</u>															
<u>4</u>		<u>MW4</u>		<u>1145</u>			<u>X</u>															
<u>5</u>		<u>MW5</u>		<u>1240</u>			<u>X</u>															
<u>6</u>		<u>MW6</u>		<u>1100</u>			<u>X</u>															
<u>7</u>		<u>MW7</u>		<u>1245</u>			<u>X</u>															
<u>8</u>		<u>MW8</u>		<u>1110</u>			<u>X</u>															
<u>9</u>		<u>MW10</u>		<u>1250</u>			<u>X</u>															
<u>10</u>		<u>PZ1</u>		<u>1235</u>			<u>X</u>															

Turnaround Time Required (Business Days)

\_\_\_ 1 Day \_\_\_ 2 Days \_\_\_ 5 Days \_\_\_ 7 Days  10 Days \_\_\_ 15 Days \_\_\_ Other

Sample Disposal

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

Relinquished By <u>Tyler Hischke</u>	Company <u>STANTEC</u>	Date <u>10/7/20</u>	Time <u>1700</u>	Received By <u>Jeff Brand</u>	Company <u>TA</u>	Date <u>10/8/20</u>	Time <u>0930</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: \_\_\_\_\_  
Shipped: \_\_\_\_\_  
Hand Delivered: \_\_\_\_\_

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

Client Comments: \_\_\_\_\_  
Lab Comments: \_\_\_\_\_



# Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 500-189035-1

**Login Number: 189035**

**List Source: Eurofins TestAmerica, Chicago**

**List Number: 1**

**Creator: James, Jeff A**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

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

Laboratory Job ID: 500-193690-1

Client Project/Site: Care n Cleaners Site - 193702865

**For:**

Stantec Consulting Corp.  
1165 Scheuring Road  
De Pere, Wisconsin 54115

Attn: Mr. Jeff Brand



Authorized for release by:  
1/21/2021 1:20:32 PM

Sandie Fredrick, Project Manager II  
(920)261-1660  
[sandra.fredrick@eurofinset.com](mailto:sandra.fredrick@eurofinset.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*





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# Case Narrative

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

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**Job ID: 500-193690-1**

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**Laboratory: Eurofins TestAmerica, Chicago**

## Narrative

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**Job Narrative**  
**500-193690-1**

## Comments

No additional comments.

## Receipt

The samples were received on 1/13/2021 10:15 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.3° C.

## GC/MS VOA

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

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# Detection Summary

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

## Client Sample ID: MW1

## Lab Sample ID: 500-193690-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.73	J	1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	57		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	0.92		0.50	0.16	ug/L	1		8260B	Total/NA

## Client Sample ID: MW2

## Lab Sample ID: 500-193690-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	69		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	0.41	J	0.50	0.16	ug/L	1		8260B	Total/NA

## Client Sample ID: MW3

## Lab Sample ID: 500-193690-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	20		1.0	0.37	ug/L	1		8260B	Total/NA

## Client Sample ID: MW4

## Lab Sample ID: 500-193690-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	4.9		1.0	0.37	ug/L	1		8260B	Total/NA

## Client Sample ID: MW5

## Lab Sample ID: 500-193690-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	50		1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.22	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	0.18	J	0.50	0.16	ug/L	1		8260B	Total/NA

## Client Sample ID: MW6

## Lab Sample ID: 500-193690-6

No Detections.

## Client Sample ID: MW7

## Lab Sample ID: 500-193690-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	15		1.0	0.37	ug/L	1		8260B	Total/NA

## Client Sample ID: MW8

## Lab Sample ID: 500-193690-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.99	J	1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.20	J	0.50	0.15	ug/L	1		8260B	Total/NA

## Client Sample ID: MW10

## Lab Sample ID: 500-193690-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.1		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	47		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	0.35	J	0.50	0.16	ug/L	1		8260B	Total/NA

## Client Sample ID: PZ1

## Lab Sample ID: 500-193690-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.86	J	1.0	0.37	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

# Detection Summary

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

## Client Sample ID: Dup

Lab Sample ID: 500-193690-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	5.9		1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.31	J	0.50	0.15	ug/L	1		8260B	Total/NA

## Client Sample ID: Trip

Lab Sample ID: 500-193690-12

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago



# Method Summary

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

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



# Sample Summary

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-193690-1	MW1	Water	01/12/21 12:15	01/13/21 10:15	
500-193690-2	MW2	Water	01/12/21 12:09	01/13/21 10:15	
500-193690-3	MW3	Water	01/12/21 12:04	01/13/21 10:15	
500-193690-4	MW4	Water	01/12/21 14:02	01/13/21 10:15	
500-193690-5	MW5	Water	01/12/21 14:08	01/13/21 10:15	
500-193690-6	MW6	Water	01/12/21 09:58	01/13/21 10:15	
500-193690-7	MW7	Water	01/12/21 13:48	01/13/21 10:15	
500-193690-8	MW8	Water	01/12/21 12:22	01/13/21 10:15	
500-193690-9	MW10	Water	01/12/21 13:55	01/13/21 10:15	
500-193690-10	PZ1	Water	01/12/21 14:15	01/13/21 10:15	
500-193690-11	Dup	Water	01/12/21 00:00	01/13/21 10:15	
500-193690-12	Trip	Water	01/12/21 14:17	01/13/21 10:15	

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: MW1**

**Lab Sample ID: 500-193690-1**

**Date Collected: 01/12/21 12:15**

**Matrix: Water**

**Date Received: 01/13/21 10:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/18/21 11:53	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/18/21 11:53	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/18/21 11:53	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/18/21 11:53	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/18/21 11:53	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/18/21 11:53	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/18/21 11:53	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/18/21 11:53	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/18/21 11:53	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/18/21 11:53	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/18/21 11:53	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/18/21 11:53	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/18/21 11:53	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/18/21 11:53	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/18/21 11:53	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/18/21 11:53	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/18/21 11:53	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/18/21 11:53	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/18/21 11:53	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/18/21 11:53	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/18/21 11:53	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/18/21 11:53	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/18/21 11:53	1
Benzene	<0.15		0.50	0.15	ug/L			01/18/21 11:53	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/18/21 11:53	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/18/21 11:53	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/18/21 11:53	1
Bromoform	<0.48		1.0	0.48	ug/L			01/18/21 11:53	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/18/21 11:53	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/18/21 11:53	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/18/21 11:53	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/18/21 11:53	1
Chloroform	<0.37		2.0	0.37	ug/L			01/18/21 11:53	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/18/21 11:53	1
<b>cis-1,2-Dichloroethene</b>	<b>0.73 J</b>		1.0	0.41	ug/L			01/18/21 11:53	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/18/21 11:53	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/18/21 11:53	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/18/21 11:53	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/18/21 11:53	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/18/21 11:53	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/18/21 11:53	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/18/21 11:53	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 11:53	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/18/21 11:53	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/18/21 11:53	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/18/21 11:53	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 11:53	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/18/21 11:53	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/18/21 11:53	1

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: MW1**

**Lab Sample ID: 500-193690-1**

**Date Collected: 01/12/21 12:15**

**Matrix: Water**

**Date Received: 01/13/21 10:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 11:53	1
Styrene	<0.39		1.0	0.39	ug/L			01/18/21 11:53	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 11:53	1
<b>Tetrachloroethene</b>	<b>57</b>		1.0	0.37	ug/L			01/18/21 11:53	1
Toluene	<0.15		0.50	0.15	ug/L			01/18/21 11:53	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/18/21 11:53	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/18/21 11:53	1
<b>Trichloroethene</b>	<b>0.92</b>		0.50	0.16	ug/L			01/18/21 11:53	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/18/21 11:53	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/18/21 11:53	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/18/21 11:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		75 - 126		01/18/21 11:53	1
4-Bromofluorobenzene (Surr)	108		72 - 124		01/18/21 11:53	1
Dibromofluoromethane (Surr)	87		75 - 120		01/18/21 11:53	1
Toluene-d8 (Surr)	100		75 - 120		01/18/21 11:53	1



# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: MW2**  
**Date Collected: 01/12/21 12:09**  
**Date Received: 01/13/21 10:15**

**Lab Sample ID: 500-193690-2**  
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/18/21 12:18	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/18/21 12:18	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/18/21 12:18	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/18/21 12:18	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/18/21 12:18	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/18/21 12:18	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/18/21 12:18	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/18/21 12:18	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/18/21 12:18	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/18/21 12:18	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/18/21 12:18	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/18/21 12:18	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/18/21 12:18	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/18/21 12:18	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/18/21 12:18	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/18/21 12:18	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/18/21 12:18	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/18/21 12:18	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/18/21 12:18	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/18/21 12:18	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/18/21 12:18	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/18/21 12:18	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/18/21 12:18	1
Benzene	<0.15		0.50	0.15	ug/L			01/18/21 12:18	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/18/21 12:18	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/18/21 12:18	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/18/21 12:18	1
Bromoform	<0.48		1.0	0.48	ug/L			01/18/21 12:18	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/18/21 12:18	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/18/21 12:18	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/18/21 12:18	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/18/21 12:18	1
Chloroform	<0.37		2.0	0.37	ug/L			01/18/21 12:18	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/18/21 12:18	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/18/21 12:18	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/18/21 12:18	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/18/21 12:18	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/18/21 12:18	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/18/21 12:18	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/18/21 12:18	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/18/21 12:18	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/18/21 12:18	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 12:18	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/18/21 12:18	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/18/21 12:18	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/18/21 12:18	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 12:18	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/18/21 12:18	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/18/21 12:18	1

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: MW2**

**Lab Sample ID: 500-193690-2**

**Date Collected: 01/12/21 12:09**

**Matrix: Water**

**Date Received: 01/13/21 10:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 12:18	1
Styrene	<0.39		1.0	0.39	ug/L			01/18/21 12:18	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 12:18	1
<b>Tetrachloroethene</b>	<b>69</b>		1.0	0.37	ug/L			01/18/21 12:18	1
Toluene	<0.15		0.50	0.15	ug/L			01/18/21 12:18	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/18/21 12:18	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/18/21 12:18	1
<b>Trichloroethene</b>	<b>0.41 J</b>		0.50	0.16	ug/L			01/18/21 12:18	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/18/21 12:18	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/18/21 12:18	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/18/21 12:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		75 - 126		01/18/21 12:18	1
4-Bromofluorobenzene (Surr)	106		72 - 124		01/18/21 12:18	1
Dibromofluoromethane (Surr)	85		75 - 120		01/18/21 12:18	1
Toluene-d8 (Surr)	101		75 - 120		01/18/21 12:18	1

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: MW3**  
**Date Collected: 01/12/21 12:04**  
**Date Received: 01/13/21 10:15**

**Lab Sample ID: 500-193690-3**  
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/18/21 12:43	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/18/21 12:43	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/18/21 12:43	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/18/21 12:43	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/18/21 12:43	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/18/21 12:43	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/18/21 12:43	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/18/21 12:43	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/18/21 12:43	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/18/21 12:43	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/18/21 12:43	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/18/21 12:43	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/18/21 12:43	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/18/21 12:43	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/18/21 12:43	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/18/21 12:43	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/18/21 12:43	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/18/21 12:43	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/18/21 12:43	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/18/21 12:43	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/18/21 12:43	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/18/21 12:43	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/18/21 12:43	1
Benzene	<0.15		0.50	0.15	ug/L			01/18/21 12:43	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/18/21 12:43	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/18/21 12:43	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/18/21 12:43	1
Bromoform	<0.48		1.0	0.48	ug/L			01/18/21 12:43	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/18/21 12:43	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/18/21 12:43	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/18/21 12:43	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/18/21 12:43	1
Chloroform	<0.37		2.0	0.37	ug/L			01/18/21 12:43	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/18/21 12:43	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/18/21 12:43	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/18/21 12:43	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/18/21 12:43	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/18/21 12:43	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/18/21 12:43	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/18/21 12:43	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/18/21 12:43	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/18/21 12:43	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 12:43	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/18/21 12:43	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/18/21 12:43	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/18/21 12:43	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 12:43	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/18/21 12:43	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/18/21 12:43	1

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: MW3**  
**Date Collected: 01/12/21 12:04**  
**Date Received: 01/13/21 10:15**

**Lab Sample ID: 500-193690-3**  
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 12:43	1
Styrene	<0.39		1.0	0.39	ug/L			01/18/21 12:43	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 12:43	1
<b>Tetrachloroethene</b>	<b>20</b>		1.0	0.37	ug/L			01/18/21 12:43	1
Toluene	<0.15		0.50	0.15	ug/L			01/18/21 12:43	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/18/21 12:43	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/18/21 12:43	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/18/21 12:43	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/18/21 12:43	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/18/21 12:43	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/18/21 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		75 - 126		01/18/21 12:43	1
4-Bromofluorobenzene (Surr)	108		72 - 124		01/18/21 12:43	1
Dibromofluoromethane (Surr)	86		75 - 120		01/18/21 12:43	1
Toluene-d8 (Surr)	101		75 - 120		01/18/21 12:43	1

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: MW4**  
**Date Collected: 01/12/21 14:02**  
**Date Received: 01/13/21 10:15**

**Lab Sample ID: 500-193690-4**  
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/18/21 13:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/18/21 13:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/18/21 13:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/18/21 13:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/18/21 13:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/18/21 13:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/18/21 13:08	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/18/21 13:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/18/21 13:08	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/18/21 13:08	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/18/21 13:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/18/21 13:08	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/18/21 13:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/18/21 13:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/18/21 13:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/18/21 13:08	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/18/21 13:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/18/21 13:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/18/21 13:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/18/21 13:08	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/18/21 13:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/18/21 13:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/18/21 13:08	1
Benzene	<0.15		0.50	0.15	ug/L			01/18/21 13:08	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/18/21 13:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/18/21 13:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/18/21 13:08	1
Bromoform	<0.48		1.0	0.48	ug/L			01/18/21 13:08	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/18/21 13:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/18/21 13:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/18/21 13:08	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/18/21 13:08	1
Chloroform	<0.37		2.0	0.37	ug/L			01/18/21 13:08	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/18/21 13:08	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/18/21 13:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/18/21 13:08	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/18/21 13:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/18/21 13:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/18/21 13:08	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/18/21 13:08	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/18/21 13:08	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/18/21 13:08	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 13:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/18/21 13:08	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/18/21 13:08	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/18/21 13:08	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 13:08	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/18/21 13:08	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/18/21 13:08	1

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: MW4**

**Lab Sample ID: 500-193690-4**

**Date Collected: 01/12/21 14:02**

**Matrix: Water**

**Date Received: 01/13/21 10:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 13:08	1
Styrene	<0.39		1.0	0.39	ug/L			01/18/21 13:08	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 13:08	1
<b>Tetrachloroethene</b>	<b>4.9</b>		1.0	0.37	ug/L			01/18/21 13:08	1
Toluene	<0.15		0.50	0.15	ug/L			01/18/21 13:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/18/21 13:08	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/18/21 13:08	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/18/21 13:08	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/18/21 13:08	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/18/21 13:08	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/18/21 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		75 - 126		01/18/21 13:08	1
4-Bromofluorobenzene (Surr)	109		72 - 124		01/18/21 13:08	1
Dibromofluoromethane (Surr)	86		75 - 120		01/18/21 13:08	1
Toluene-d8 (Surr)	101		75 - 120		01/18/21 13:08	1

# Client Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: MW5**  
**Date Collected: 01/12/21 14:08**  
**Date Received: 01/13/21 10:15**

**Lab Sample ID: 500-193690-5**  
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/18/21 13:33	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/18/21 13:33	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/18/21 13:33	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/18/21 13:33	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/18/21 13:33	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/18/21 13:33	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/18/21 13:33	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/18/21 13:33	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/18/21 13:33	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/18/21 13:33	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/18/21 13:33	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/18/21 13:33	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/18/21 13:33	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/18/21 13:33	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/18/21 13:33	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/18/21 13:33	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/18/21 13:33	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/18/21 13:33	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/18/21 13:33	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/18/21 13:33	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/18/21 13:33	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/18/21 13:33	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/18/21 13:33	1
Benzene	<0.15		0.50	0.15	ug/L			01/18/21 13:33	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/18/21 13:33	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/18/21 13:33	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/18/21 13:33	1
Bromoform	<0.48		1.0	0.48	ug/L			01/18/21 13:33	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/18/21 13:33	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/18/21 13:33	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/18/21 13:33	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/18/21 13:33	1
Chloroform	<0.37		2.0	0.37	ug/L			01/18/21 13:33	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/18/21 13:33	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/18/21 13:33	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/18/21 13:33	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/18/21 13:33	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/18/21 13:33	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/18/21 13:33	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/18/21 13:33	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/18/21 13:33	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/18/21 13:33	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 13:33	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/18/21 13:33	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/18/21 13:33	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/18/21 13:33	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 13:33	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/18/21 13:33	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/18/21 13:33	1

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: MW5**  
**Date Collected: 01/12/21 14:08**  
**Date Received: 01/13/21 10:15**

**Lab Sample ID: 500-193690-5**  
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 13:33	1
Styrene	<0.39		1.0	0.39	ug/L			01/18/21 13:33	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 13:33	1
<b>Tetrachloroethene</b>	<b>50</b>		1.0	0.37	ug/L			01/18/21 13:33	1
<b>Toluene</b>	<b>0.22</b>	<b>J</b>	0.50	0.15	ug/L			01/18/21 13:33	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/18/21 13:33	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/18/21 13:33	1
<b>Trichloroethene</b>	<b>0.18</b>	<b>J</b>	0.50	0.16	ug/L			01/18/21 13:33	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/18/21 13:33	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/18/21 13:33	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/18/21 13:33	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	80		75 - 126					01/18/21 13:33	1
4-Bromofluorobenzene (Surr)	107		72 - 124					01/18/21 13:33	1
Dibromofluoromethane (Surr)	87		75 - 120					01/18/21 13:33	1
Toluene-d8 (Surr)	101		75 - 120					01/18/21 13:33	1



# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: MW6**  
**Date Collected: 01/12/21 09:58**  
**Date Received: 01/13/21 10:15**

**Lab Sample ID: 500-193690-6**  
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/18/21 13:58	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/18/21 13:58	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/18/21 13:58	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/18/21 13:58	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/18/21 13:58	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/18/21 13:58	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/18/21 13:58	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/18/21 13:58	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/18/21 13:58	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/18/21 13:58	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/18/21 13:58	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/18/21 13:58	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/18/21 13:58	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/18/21 13:58	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/18/21 13:58	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/18/21 13:58	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/18/21 13:58	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/18/21 13:58	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/18/21 13:58	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/18/21 13:58	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/18/21 13:58	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/18/21 13:58	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/18/21 13:58	1
Benzene	<0.15		0.50	0.15	ug/L			01/18/21 13:58	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/18/21 13:58	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/18/21 13:58	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/18/21 13:58	1
Bromoform	<0.48		1.0	0.48	ug/L			01/18/21 13:58	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/18/21 13:58	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/18/21 13:58	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/18/21 13:58	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/18/21 13:58	1
Chloroform	<0.37		2.0	0.37	ug/L			01/18/21 13:58	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/18/21 13:58	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/18/21 13:58	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/18/21 13:58	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/18/21 13:58	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/18/21 13:58	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/18/21 13:58	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/18/21 13:58	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/18/21 13:58	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/18/21 13:58	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 13:58	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/18/21 13:58	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/18/21 13:58	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/18/21 13:58	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 13:58	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/18/21 13:58	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/18/21 13:58	1

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: MW6**

**Lab Sample ID: 500-193690-6**

**Date Collected: 01/12/21 09:58**

**Matrix: Water**

**Date Received: 01/13/21 10:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 13:58	1
Styrene	<0.39		1.0	0.39	ug/L			01/18/21 13:58	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 13:58	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/18/21 13:58	1
Toluene	<0.15		0.50	0.15	ug/L			01/18/21 13:58	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/18/21 13:58	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/18/21 13:58	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/18/21 13:58	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/18/21 13:58	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/18/21 13:58	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/18/21 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		75 - 126		01/18/21 13:58	1
4-Bromofluorobenzene (Surr)	111		72 - 124		01/18/21 13:58	1
Dibromofluoromethane (Surr)	86		75 - 120		01/18/21 13:58	1
Toluene-d8 (Surr)	103		75 - 120		01/18/21 13:58	1

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: MW7**

**Lab Sample ID: 500-193690-7**

**Date Collected: 01/12/21 13:48**

**Matrix: Water**

**Date Received: 01/13/21 10:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/18/21 14:23	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/18/21 14:23	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/18/21 14:23	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/18/21 14:23	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/18/21 14:23	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/18/21 14:23	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/18/21 14:23	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/18/21 14:23	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/18/21 14:23	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/18/21 14:23	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/18/21 14:23	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/18/21 14:23	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/18/21 14:23	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/18/21 14:23	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/18/21 14:23	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/18/21 14:23	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/18/21 14:23	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/18/21 14:23	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/18/21 14:23	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/18/21 14:23	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/18/21 14:23	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/18/21 14:23	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/18/21 14:23	1
Benzene	<0.15		0.50	0.15	ug/L			01/18/21 14:23	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/18/21 14:23	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/18/21 14:23	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/18/21 14:23	1
Bromoform	<0.48		1.0	0.48	ug/L			01/18/21 14:23	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/18/21 14:23	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/18/21 14:23	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/18/21 14:23	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/18/21 14:23	1
Chloroform	<0.37		2.0	0.37	ug/L			01/18/21 14:23	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/18/21 14:23	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/18/21 14:23	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/18/21 14:23	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/18/21 14:23	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/18/21 14:23	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/18/21 14:23	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/18/21 14:23	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/18/21 14:23	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/18/21 14:23	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 14:23	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/18/21 14:23	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/18/21 14:23	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/18/21 14:23	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 14:23	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/18/21 14:23	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/18/21 14:23	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: MW7**

**Lab Sample ID: 500-193690-7**

**Date Collected: 01/12/21 13:48**

**Matrix: Water**

**Date Received: 01/13/21 10:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 14:23	1
Styrene	<0.39		1.0	0.39	ug/L			01/18/21 14:23	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 14:23	1
<b>Tetrachloroethene</b>	<b>15</b>		1.0	0.37	ug/L			01/18/21 14:23	1
Toluene	<0.15		0.50	0.15	ug/L			01/18/21 14:23	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/18/21 14:23	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/18/21 14:23	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/18/21 14:23	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/18/21 14:23	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/18/21 14:23	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/18/21 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		75 - 126		01/18/21 14:23	1
4-Bromofluorobenzene (Surr)	108		72 - 124		01/18/21 14:23	1
Dibromofluoromethane (Surr)	88		75 - 120		01/18/21 14:23	1
Toluene-d8 (Surr)	103		75 - 120		01/18/21 14:23	1

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: MW8**

**Lab Sample ID: 500-193690-8**

**Date Collected: 01/12/21 12:22**

**Matrix: Water**

**Date Received: 01/13/21 10:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/18/21 14:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/18/21 14:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/18/21 14:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/18/21 14:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/18/21 14:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/18/21 14:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/18/21 14:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/18/21 14:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/18/21 14:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/18/21 14:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/18/21 14:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/18/21 14:48	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/18/21 14:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/18/21 14:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/18/21 14:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/18/21 14:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/18/21 14:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/18/21 14:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/18/21 14:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/18/21 14:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/18/21 14:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/18/21 14:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/18/21 14:48	1
Benzene	<0.15		0.50	0.15	ug/L			01/18/21 14:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/18/21 14:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/18/21 14:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/18/21 14:48	1
Bromoform	<0.48		1.0	0.48	ug/L			01/18/21 14:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/18/21 14:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/18/21 14:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/18/21 14:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/18/21 14:48	1
Chloroform	<0.37		2.0	0.37	ug/L			01/18/21 14:48	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/18/21 14:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/18/21 14:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/18/21 14:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/18/21 14:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/18/21 14:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/18/21 14:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/18/21 14:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/18/21 14:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/18/21 14:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 14:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/18/21 14:48	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/18/21 14:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/18/21 14:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 14:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/18/21 14:48	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/18/21 14:48	1

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: MW8**

**Lab Sample ID: 500-193690-8**

**Date Collected: 01/12/21 12:22**

**Matrix: Water**

**Date Received: 01/13/21 10:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 14:48	1
Styrene	<0.39		1.0	0.39	ug/L			01/18/21 14:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 14:48	1
<b>Tetrachloroethene</b>	<b>0.99</b>	<b>J</b>	1.0	0.37	ug/L			01/18/21 14:48	1
<b>Toluene</b>	<b>0.20</b>	<b>J</b>	0.50	0.15	ug/L			01/18/21 14:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/18/21 14:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/18/21 14:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/18/21 14:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/18/21 14:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/18/21 14:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/18/21 14:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		75 - 126		01/18/21 14:48	1
4-Bromofluorobenzene (Surr)	108		72 - 124		01/18/21 14:48	1
Dibromofluoromethane (Surr)	88		75 - 120		01/18/21 14:48	1
Toluene-d8 (Surr)	101		75 - 120		01/18/21 14:48	1

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: MW10**

**Lab Sample ID: 500-193690-9**

**Date Collected: 01/12/21 13:55**

**Matrix: Water**

**Date Received: 01/13/21 10:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/18/21 15:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/18/21 15:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/18/21 15:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/18/21 15:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/18/21 15:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/18/21 15:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/18/21 15:13	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/18/21 15:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/18/21 15:13	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/18/21 15:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/18/21 15:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/18/21 15:13	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/18/21 15:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/18/21 15:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/18/21 15:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/18/21 15:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/18/21 15:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/18/21 15:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/18/21 15:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/18/21 15:13	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/18/21 15:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/18/21 15:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/18/21 15:13	1
Benzene	<0.15		0.50	0.15	ug/L			01/18/21 15:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/18/21 15:13	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/18/21 15:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/18/21 15:13	1
Bromoform	<0.48		1.0	0.48	ug/L			01/18/21 15:13	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/18/21 15:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/18/21 15:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/18/21 15:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/18/21 15:13	1
Chloroform	<0.37		2.0	0.37	ug/L			01/18/21 15:13	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/18/21 15:13	1
<b>cis-1,2-Dichloroethene</b>	<b>1.1</b>		1.0	0.41	ug/L			01/18/21 15:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/18/21 15:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/18/21 15:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/18/21 15:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/18/21 15:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/18/21 15:13	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/18/21 15:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/18/21 15:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 15:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/18/21 15:13	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/18/21 15:13	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/18/21 15:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 15:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/18/21 15:13	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/18/21 15:13	1

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: MW10**

**Lab Sample ID: 500-193690-9**

**Date Collected: 01/12/21 13:55**

**Matrix: Water**

**Date Received: 01/13/21 10:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 15:13	1
Styrene	<0.39		1.0	0.39	ug/L			01/18/21 15:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 15:13	1
<b>Tetrachloroethene</b>	<b>47</b>		1.0	0.37	ug/L			01/18/21 15:13	1
Toluene	<0.15		0.50	0.15	ug/L			01/18/21 15:13	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/18/21 15:13	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/18/21 15:13	1
<b>Trichloroethene</b>	<b>0.35 J</b>		0.50	0.16	ug/L			01/18/21 15:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/18/21 15:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/18/21 15:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/18/21 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		75 - 126		01/18/21 15:13	1
4-Bromofluorobenzene (Surr)	109		72 - 124		01/18/21 15:13	1
Dibromofluoromethane (Surr)	86		75 - 120		01/18/21 15:13	1
Toluene-d8 (Surr)	102		75 - 120		01/18/21 15:13	1



# Client Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: PZ1**

**Lab Sample ID: 500-193690-10**

**Date Collected: 01/12/21 14:15**

**Matrix: Water**

**Date Received: 01/13/21 10:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/18/21 15:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/18/21 15:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/18/21 15:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/18/21 15:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/18/21 15:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/18/21 15:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/18/21 15:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/18/21 15:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/18/21 15:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/18/21 15:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/18/21 15:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/18/21 15:37	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/18/21 15:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/18/21 15:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/18/21 15:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/18/21 15:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/18/21 15:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/18/21 15:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/18/21 15:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/18/21 15:37	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/18/21 15:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/18/21 15:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/18/21 15:37	1
Benzene	<0.15		0.50	0.15	ug/L			01/18/21 15:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/18/21 15:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/18/21 15:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/18/21 15:37	1
Bromoform	<0.48		1.0	0.48	ug/L			01/18/21 15:37	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/18/21 15:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/18/21 15:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/18/21 15:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/18/21 15:37	1
Chloroform	<0.37		2.0	0.37	ug/L			01/18/21 15:37	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/18/21 15:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/18/21 15:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/18/21 15:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/18/21 15:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/18/21 15:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/18/21 15:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/18/21 15:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/18/21 15:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/18/21 15:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 15:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/18/21 15:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/18/21 15:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/18/21 15:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 15:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/18/21 15:37	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/18/21 15:37	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: PZ1**

**Lab Sample ID: 500-193690-10**

**Date Collected: 01/12/21 14:15**

**Matrix: Water**

**Date Received: 01/13/21 10:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 15:37	1
Styrene	<0.39		1.0	0.39	ug/L			01/18/21 15:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 15:37	1
<b>Tetrachloroethene</b>	<b>0.86</b>	<b>J</b>	1.0	0.37	ug/L			01/18/21 15:37	1
Toluene	<0.15		0.50	0.15	ug/L			01/18/21 15:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/18/21 15:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/18/21 15:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/18/21 15:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/18/21 15:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/18/21 15:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/18/21 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		75 - 126		01/18/21 15:37	1
4-Bromofluorobenzene (Surr)	108		72 - 124		01/18/21 15:37	1
Dibromofluoromethane (Surr)	87		75 - 120		01/18/21 15:37	1
Toluene-d8 (Surr)	101		75 - 120		01/18/21 15:37	1

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: Dup**  
**Date Collected: 01/12/21 00:00**  
**Date Received: 01/13/21 10:15**

**Lab Sample ID: 500-193690-11**  
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/18/21 16:03	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/18/21 16:03	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/18/21 16:03	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/18/21 16:03	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/18/21 16:03	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/18/21 16:03	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/18/21 16:03	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/18/21 16:03	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/18/21 16:03	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/18/21 16:03	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/18/21 16:03	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/18/21 16:03	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/18/21 16:03	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/18/21 16:03	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/18/21 16:03	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/18/21 16:03	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/18/21 16:03	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/18/21 16:03	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/18/21 16:03	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/18/21 16:03	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/18/21 16:03	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/18/21 16:03	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/18/21 16:03	1
Benzene	<0.15		0.50	0.15	ug/L			01/18/21 16:03	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/18/21 16:03	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/18/21 16:03	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/18/21 16:03	1
Bromoform	<0.48		1.0	0.48	ug/L			01/18/21 16:03	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/18/21 16:03	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/18/21 16:03	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/18/21 16:03	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/18/21 16:03	1
Chloroform	<0.37		2.0	0.37	ug/L			01/18/21 16:03	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/18/21 16:03	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/18/21 16:03	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/18/21 16:03	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/18/21 16:03	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/18/21 16:03	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/18/21 16:03	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/18/21 16:03	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/18/21 16:03	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/18/21 16:03	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 16:03	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/18/21 16:03	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/18/21 16:03	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/18/21 16:03	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 16:03	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/18/21 16:03	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/18/21 16:03	1

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: Dup**

**Lab Sample ID: 500-193690-11**

**Date Collected: 01/12/21 00:00**

**Matrix: Water**

**Date Received: 01/13/21 10:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 16:03	1
Styrene	<0.39		1.0	0.39	ug/L			01/18/21 16:03	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 16:03	1
<b>Tetrachloroethene</b>	<b>5.9</b>		1.0	0.37	ug/L			01/18/21 16:03	1
<b>Toluene</b>	<b>0.31 J</b>		0.50	0.15	ug/L			01/18/21 16:03	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/18/21 16:03	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/18/21 16:03	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/18/21 16:03	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/18/21 16:03	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/18/21 16:03	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/18/21 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		75 - 126		01/18/21 16:03	1
4-Bromofluorobenzene (Surr)	111		72 - 124		01/18/21 16:03	1
Dibromofluoromethane (Surr)	88		75 - 120		01/18/21 16:03	1
Toluene-d8 (Surr)	102		75 - 120		01/18/21 16:03	1

# Client Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: Trip**

**Lab Sample ID: 500-193690-12**

**Date Collected: 01/12/21 14:17**

**Matrix: Water**

**Date Received: 01/13/21 10:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/18/21 11:28	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/18/21 11:28	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/18/21 11:28	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/18/21 11:28	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/18/21 11:28	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/18/21 11:28	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/18/21 11:28	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/18/21 11:28	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/18/21 11:28	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/18/21 11:28	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/18/21 11:28	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/18/21 11:28	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/18/21 11:28	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/18/21 11:28	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/18/21 11:28	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/18/21 11:28	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/18/21 11:28	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/18/21 11:28	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/18/21 11:28	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/18/21 11:28	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/18/21 11:28	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/18/21 11:28	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/18/21 11:28	1
Benzene	<0.15		0.50	0.15	ug/L			01/18/21 11:28	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/18/21 11:28	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/18/21 11:28	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/18/21 11:28	1
Bromoform	<0.48		1.0	0.48	ug/L			01/18/21 11:28	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/18/21 11:28	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/18/21 11:28	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/18/21 11:28	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/18/21 11:28	1
Chloroform	<0.37		2.0	0.37	ug/L			01/18/21 11:28	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/18/21 11:28	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/18/21 11:28	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/18/21 11:28	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/18/21 11:28	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/18/21 11:28	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/18/21 11:28	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/18/21 11:28	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/18/21 11:28	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/18/21 11:28	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 11:28	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/18/21 11:28	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/18/21 11:28	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/18/21 11:28	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 11:28	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/18/21 11:28	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/18/21 11:28	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: Trip**

**Lab Sample ID: 500-193690-12**

**Date Collected: 01/12/21 14:17**

**Matrix: Water**

**Date Received: 01/13/21 10:15**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 11:28	1
Styrene	<0.39		1.0	0.39	ug/L			01/18/21 11:28	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 11:28	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/18/21 11:28	1
Toluene	<0.15		0.50	0.15	ug/L			01/18/21 11:28	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/18/21 11:28	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/18/21 11:28	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/18/21 11:28	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/18/21 11:28	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/18/21 11:28	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/18/21 11:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	78		75 - 126		01/18/21 11:28	1
4-Bromofluorobenzene (Surr)	106		72 - 124		01/18/21 11:28	1
Dibromofluoromethane (Surr)	86		75 - 120		01/18/21 11:28	1
Toluene-d8 (Surr)	102		75 - 120		01/18/21 11:28	1

# Definitions/Glossary

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

## Qualifiers

### 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.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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

# QC Association Summary

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

## GC/MS VOA

### Analysis Batch: 581347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-193690-1	MW1	Total/NA	Water	8260B	
500-193690-2	MW2	Total/NA	Water	8260B	
500-193690-3	MW3	Total/NA	Water	8260B	
500-193690-4	MW4	Total/NA	Water	8260B	
500-193690-5	MW5	Total/NA	Water	8260B	
500-193690-6	MW6	Total/NA	Water	8260B	
500-193690-7	MW7	Total/NA	Water	8260B	
500-193690-8	MW8	Total/NA	Water	8260B	
500-193690-9	MW10	Total/NA	Water	8260B	
500-193690-10	PZ1	Total/NA	Water	8260B	
500-193690-11	Dup	Total/NA	Water	8260B	
500-193690-12	Trip	Total/NA	Water	8260B	
MB 500-581347/7	Method Blank	Total/NA	Water	8260B	
LCS 500-581347/5	Lab Control Sample	Total/NA	Water	8260B	
500-193690-1 MS	MW1	Total/NA	Water	8260B	
500-193690-1 MSD	MW1	Total/NA	Water	8260B	



# Surrogate Summary

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	DBFM	TOL
		(75-126)	(72-124)	(75-120)	(75-120)
500-193690-1	MW1	80	108	87	100
500-193690-1 MS	MW1	80	106	90	101
500-193690-1 MSD	MW1	81	106	89	101
500-193690-2	MW2	80	106	85	101
500-193690-3	MW3	79	108	86	101
500-193690-4	MW4	79	109	86	101
500-193690-5	MW5	80	107	87	101
500-193690-6	MW6	80	111	86	103
500-193690-7	MW7	81	108	88	103
500-193690-8	MW8	80	108	88	101
500-193690-9	MW10	79	109	86	102
500-193690-10	PZ1	80	108	87	101
500-193690-11	Dup	81	111	88	102
500-193690-12	Trip	78	106	86	102
LCS 500-581347/5	Lab Control Sample	81	104	86	102
MB 500-581347/7	Method Blank	80	110	87	101

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

# QC Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 500-581347/7**  
**Matrix: Water**  
**Analysis Batch: 581347**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/18/21 11:02	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/18/21 11:02	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/18/21 11:02	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/18/21 11:02	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/18/21 11:02	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/18/21 11:02	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/18/21 11:02	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/18/21 11:02	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/18/21 11:02	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/18/21 11:02	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/18/21 11:02	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/18/21 11:02	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/18/21 11:02	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/18/21 11:02	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/18/21 11:02	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/18/21 11:02	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/18/21 11:02	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/18/21 11:02	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/18/21 11:02	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/18/21 11:02	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/18/21 11:02	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/18/21 11:02	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/18/21 11:02	1
Benzene	<0.15		0.50	0.15	ug/L			01/18/21 11:02	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/18/21 11:02	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/18/21 11:02	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/18/21 11:02	1
Bromoform	<0.48		1.0	0.48	ug/L			01/18/21 11:02	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/18/21 11:02	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/18/21 11:02	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/18/21 11:02	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/18/21 11:02	1
Chloroform	<0.37		2.0	0.37	ug/L			01/18/21 11:02	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/18/21 11:02	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/18/21 11:02	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/18/21 11:02	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/18/21 11:02	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/18/21 11:02	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/18/21 11:02	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/18/21 11:02	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/18/21 11:02	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/18/21 11:02	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 11:02	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/18/21 11:02	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/18/21 11:02	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/18/21 11:02	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/18/21 11:02	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/18/21 11:02	1

# QC Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-581347/7**  
**Matrix: Water**  
**Analysis Batch: 581347**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/18/21 11:02	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 11:02	1
Styrene	<0.39		1.0	0.39	ug/L			01/18/21 11:02	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/18/21 11:02	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/18/21 11:02	1
Toluene	<0.15		0.50	0.15	ug/L			01/18/21 11:02	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/18/21 11:02	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/18/21 11:02	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/18/21 11:02	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/18/21 11:02	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/18/21 11:02	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/18/21 11:02	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	80		75 - 126		01/18/21 11:02	1
4-Bromofluorobenzene (Surr)	110		72 - 124		01/18/21 11:02	1
Dibromofluoromethane (Surr)	87		75 - 120		01/18/21 11:02	1
Toluene-d8 (Surr)	101		75 - 120		01/18/21 11:02	1

**Lab Sample ID: LCS 500-581347/5**  
**Matrix: Water**  
**Analysis Batch: 581347**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
1,1,1,2-Tetrachloroethane	50.0	47.8		ug/L		96	70 - 125
1,1,1-Trichloroethane	50.0	48.8		ug/L		98	70 - 125
1,1,1,2-Tetrachloroethane	50.0	51.7		ug/L		103	62 - 140
1,1,2-Trichloroethane	50.0	49.8		ug/L		100	71 - 130
1,1-Dichloroethane	50.0	48.8		ug/L		98	70 - 125
1,1-Dichloroethene	50.0	48.2		ug/L		96	67 - 122
1,1-Dichloropropene	50.0	51.7		ug/L		103	70 - 121
1,2,3-Trichlorobenzene	50.0	48.6		ug/L		97	51 - 145
1,2,3-Trichloropropane	50.0	47.6		ug/L		95	50 - 133
1,2,4-Trichlorobenzene	50.0	50.4		ug/L		101	57 - 137
1,2,4-Trimethylbenzene	50.0	52.6		ug/L		105	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	39.6		ug/L		79	56 - 123
1,2-Dibromoethane	50.0	48.8		ug/L		98	70 - 125
1,2-Dichlorobenzene	50.0	50.4		ug/L		101	70 - 125
1,2-Dichloroethane	50.0	42.0		ug/L		84	68 - 127
1,2-Dichloropropane	50.0	52.5		ug/L		105	67 - 130
1,3,5-Trimethylbenzene	50.0	53.6		ug/L		107	70 - 123
1,3-Dichlorobenzene	50.0	52.2		ug/L		104	70 - 125
1,3-Dichloropropane	50.0	50.5		ug/L		101	62 - 136
1,4-Dichlorobenzene	50.0	51.2		ug/L		102	70 - 120
2,2-Dichloropropane	50.0	53.4		ug/L		107	58 - 139
2-Chlorotoluene	50.0	53.5		ug/L		107	70 - 125
4-Chlorotoluene	50.0	51.3		ug/L		103	68 - 124
Benzene	50.0	50.4		ug/L		101	70 - 120

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-581347/5**  
**Matrix: Water**  
**Analysis Batch: 581347**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	50.0	53.0		ug/L		106	70 - 122
Bromochloromethane	50.0	48.1		ug/L		96	65 - 122
Bromodichloromethane	50.0	44.8		ug/L		90	69 - 120
Bromoform	50.0	42.4		ug/L		85	56 - 132
Bromomethane	50.0	51.5		ug/L		103	40 - 152
Carbon tetrachloride	50.0	43.7		ug/L		87	59 - 133
Chlorobenzene	50.0	51.4		ug/L		103	70 - 120
Chloroethane	50.0	50.0		ug/L		100	48 - 136
Chloroform	50.0	44.4		ug/L		89	70 - 120
Chloromethane	50.0	45.0		ug/L		90	56 - 152
cis-1,2-Dichloroethene	50.0	48.3		ug/L		97	70 - 125
cis-1,3-Dichloropropene	50.0	48.5		ug/L		97	64 - 127
Dibromochloromethane	50.0	45.5		ug/L		91	68 - 125
Dibromomethane	50.0	45.5		ug/L		91	70 - 120
Dichlorodifluoromethane	50.0	42.8		ug/L		86	40 - 159
Ethylbenzene	50.0	54.1		ug/L		108	70 - 123
Hexachlorobutadiene	50.0	54.8		ug/L		110	51 - 150
Isopropylbenzene	50.0	56.7		ug/L		113	70 - 126
Methyl tert-butyl ether	50.0	43.7		ug/L		87	55 - 123
Methylene Chloride	50.0	46.1		ug/L		92	69 - 125
Naphthalene	50.0	47.4		ug/L		95	53 - 144
n-Butylbenzene	50.0	53.4		ug/L		107	68 - 125
N-Propylbenzene	50.0	54.9		ug/L		110	69 - 127
p-Isopropyltoluene	50.0	55.1		ug/L		110	70 - 125
sec-Butylbenzene	50.0	55.4		ug/L		111	70 - 123
Styrene	50.0	50.2		ug/L		100	70 - 120
tert-Butylbenzene	50.0	55.4		ug/L		111	70 - 121
Tetrachloroethene	50.0	56.9		ug/L		114	70 - 128
Toluene	50.0	52.9		ug/L		106	70 - 125
trans-1,2-Dichloroethene	50.0	48.2		ug/L		96	70 - 125
trans-1,3-Dichloropropene	50.0	43.9		ug/L		88	62 - 128
Trichloroethene	50.0	52.3		ug/L		105	70 - 125
Trichlorofluoromethane	50.0	41.4		ug/L		83	55 - 128
Vinyl chloride	50.0	48.3		ug/L		97	64 - 126
Xylenes, Total	100	98.9		ug/L		99	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	81		75 - 126
4-Bromofluorobenzene (Surr)	104		72 - 124
Dibromofluoromethane (Surr)	86		75 - 120
Toluene-d8 (Surr)	102		75 - 120

**Lab Sample ID: 500-193690-1 MS**  
**Matrix: Water**  
**Analysis Batch: 581347**

**Client Sample ID: MW1**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	<0.46		50.0	49.7		ug/L		99	70 - 125

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-193690-1 MS

Matrix: Water

Analysis Batch: 581347

Client Sample ID: MW1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	<0.38		50.0	49.7		ug/L		99	70 - 125
1,1,1,2-Tetrachloroethane	<0.40		50.0	53.2		ug/L		106	62 - 140
1,1,2-Trichloroethane	<0.35		50.0	50.8		ug/L		102	71 - 130
1,1-Dichloroethane	<0.41		50.0	50.6		ug/L		101	70 - 125
1,1-Dichloroethene	<0.39		50.0	47.7		ug/L		95	67 - 122
1,1-Dichloropropene	<0.30		50.0	52.0		ug/L		104	70 - 121
1,2,3-Trichlorobenzene	<0.46		50.0	47.1		ug/L		94	51 - 145
1,2,3-Trichloropropane	<0.41		50.0	51.2		ug/L		102	50 - 133
1,2,4-Trichlorobenzene	<0.34		50.0	48.2		ug/L		96	57 - 137
1,2,4-Trimethylbenzene	<0.36		50.0	54.3		ug/L		109	70 - 123
1,2-Dibromo-3-Chloropropane	<2.0		50.0	38.8		ug/L		78	56 - 123
1,2-Dibromoethane	<0.39		50.0	50.3		ug/L		101	70 - 125
1,2-Dichlorobenzene	<0.33		50.0	51.8		ug/L		104	70 - 125
1,2-Dichloroethane	<0.39		50.0	43.1		ug/L		86	68 - 127
1,2-Dichloropropane	<0.43		50.0	54.7		ug/L		109	67 - 130
1,3,5-Trimethylbenzene	<0.25		50.0	55.7		ug/L		111	70 - 123
1,3-Dichlorobenzene	<0.40		50.0	53.6		ug/L		107	70 - 125
1,3-Dichloropropane	<0.36		50.0	51.7		ug/L		103	62 - 136
1,4-Dichlorobenzene	<0.36		50.0	52.0		ug/L		104	70 - 120
2,2-Dichloropropane	<0.44		50.0	50.9		ug/L		102	58 - 139
2-Chlorotoluene	<0.31		50.0	55.4		ug/L		111	70 - 125
4-Chlorotoluene	<0.35		50.0	52.7		ug/L		105	68 - 124
Benzene	<0.15		50.0	51.5		ug/L		103	70 - 120
Bromobenzene	<0.36		50.0	56.2		ug/L		112	70 - 122
Bromochloromethane	<0.43		50.0	50.8		ug/L		102	65 - 122
Bromodichloromethane	<0.37		50.0	45.6		ug/L		91	69 - 120
Bromoform	<0.48		50.0	42.5		ug/L		85	56 - 132
Bromomethane	<0.80		50.0	53.9		ug/L		108	40 - 152
Carbon tetrachloride	<0.38		50.0	44.2		ug/L		88	59 - 133
Chlorobenzene	<0.39		50.0	52.8		ug/L		106	70 - 120
Chloroethane	<0.51		50.0	52.6		ug/L		105	48 - 136
Chloroform	<0.37		50.0	46.8		ug/L		94	70 - 120
Chloromethane	<0.32		50.0	47.3		ug/L		95	56 - 152
cis-1,2-Dichloroethene	0.73	J	50.0	51.1		ug/L		101	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	49.4		ug/L		99	64 - 127
Dibromochloromethane	<0.49		50.0	46.8		ug/L		94	68 - 125
Dibromomethane	<0.27		50.0	46.6		ug/L		93	70 - 120
Dichlorodifluoromethane	<0.67		50.0	41.7		ug/L		83	40 - 159
Ethylbenzene	<0.18		50.0	54.8		ug/L		110	70 - 123
Hexachlorobutadiene	<0.45		50.0	55.0		ug/L		110	51 - 150
Isopropylbenzene	<0.39		50.0	59.3		ug/L		119	70 - 126
Methyl tert-butyl ether	<0.39		50.0	45.4		ug/L		91	55 - 123
Methylene Chloride	<1.6		50.0	48.1		ug/L		96	69 - 125
Naphthalene	<0.34		50.0	47.6		ug/L		95	53 - 144
n-Butylbenzene	<0.39		50.0	53.2		ug/L		106	68 - 125
N-Propylbenzene	<0.41		50.0	56.0		ug/L		112	69 - 127
p-Isopropyltoluene	<0.36		50.0	56.0		ug/L		112	70 - 125
sec-Butylbenzene	<0.40		50.0	56.9		ug/L		114	70 - 123
Styrene	<0.39		50.0	51.9		ug/L		104	70 - 120

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 500-193690-1 MS**  
**Matrix: Water**  
**Analysis Batch: 581347**

**Client Sample ID: MW1**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
tert-Butylbenzene	<0.40		50.0	57.7		ug/L		115	70 - 121
Tetrachloroethene	57		50.0	113		ug/L		113	70 - 128
Toluene	<0.15		50.0	53.8		ug/L		108	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	49.9		ug/L		100	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	44.3		ug/L		89	62 - 128
Trichloroethene	0.92		50.0	53.9		ug/L		106	70 - 125
Trichlorofluoromethane	<0.43		50.0	43.5		ug/L		87	55 - 128
Vinyl chloride	<0.20		50.0	50.1		ug/L		100	64 - 126
Xylenes, Total	<0.22		100	102		ug/L		102	70 - 125
				<b>MS</b>	<b>MS</b>				
Surrogate	%Recovery	MS Qualifier	MS Limits						
1,2-Dichloroethane-d4 (Surr)	80		75 - 126						
4-Bromofluorobenzene (Surr)	106		72 - 124						
Dibromofluoromethane (Surr)	90		75 - 120						
Toluene-d8 (Surr)	101		75 - 120						

**Lab Sample ID: 500-193690-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 581347**

**Client Sample ID: MW1**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.46		50.0	46.0		ug/L		92	70 - 125	8	20
1,1,1-Trichloroethane	<0.38		50.0	46.1		ug/L		92	70 - 125	7	20
1,1,1,2-Tetrachloroethane	<0.40		50.0	51.6		ug/L		103	62 - 140	3	20
1,1,2-Trichloroethane	<0.35		50.0	47.2		ug/L		94	71 - 130	7	20
1,1-Dichloroethane	<0.41		50.0	47.4		ug/L		95	70 - 125	6	20
1,1-Dichloroethene	<0.39		50.0	45.1		ug/L		90	67 - 122	6	20
1,1-Dichloropropene	<0.30		50.0	48.4		ug/L		97	70 - 121	7	20
1,2,3-Trichlorobenzene	<0.46		50.0	45.4		ug/L		91	51 - 145	4	20
1,2,3-Trichloropropane	<0.41		50.0	48.7		ug/L		97	50 - 133	5	20
1,2,4-Trichlorobenzene	<0.34		50.0	45.6		ug/L		91	57 - 137	6	20
1,2,4-Trimethylbenzene	<0.36		50.0	51.1		ug/L		102	70 - 123	6	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	34.9		ug/L		70	56 - 123	10	20
1,2-Dibromoethane	<0.39		50.0	47.2		ug/L		94	70 - 125	6	20
1,2-Dichlorobenzene	<0.33		50.0	48.9		ug/L		98	70 - 125	6	20
1,2-Dichloroethane	<0.39		50.0	40.5		ug/L		81	68 - 127	6	20
1,2-Dichloropropane	<0.43		50.0	50.1		ug/L		100	67 - 130	9	20
1,3,5-Trimethylbenzene	<0.25		50.0	51.7		ug/L		103	70 - 123	7	20
1,3-Dichlorobenzene	<0.40		50.0	50.9		ug/L		102	70 - 125	5	20
1,3-Dichloropropane	<0.36		50.0	48.9		ug/L		98	62 - 136	6	20
1,4-Dichlorobenzene	<0.36		50.0	49.0		ug/L		98	70 - 120	6	20
2,2-Dichloropropane	<0.44		50.0	47.2		ug/L		94	58 - 139	7	20
2-Chlorotoluene	<0.31		50.0	52.8		ug/L		106	70 - 125	5	20
4-Chlorotoluene	<0.35		50.0	50.0		ug/L		100	68 - 124	5	20
Benzene	<0.15		50.0	48.0		ug/L		96	70 - 120	7	20
Bromobenzene	<0.36		50.0	53.0		ug/L		106	70 - 122	6	20
Bromochloromethane	<0.43		50.0	48.6		ug/L		97	65 - 122	4	20
Bromodichloromethane	<0.37		50.0	42.6		ug/L		85	69 - 120	7	20

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: Stantec Consulting Corp.  
 Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-193690-1 MSD

Matrix: Water

Analysis Batch: 581347

Client Sample ID: MW1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	<0.48		50.0	39.9		ug/L		80	56 - 132	6	20
Bromomethane	<0.80		50.0	50.3		ug/L		101	40 - 152	7	20
Carbon tetrachloride	<0.38		50.0	40.4		ug/L		81	59 - 133	9	20
Chlorobenzene	<0.39		50.0	49.7		ug/L		99	70 - 120	6	20
Chloroethane	<0.51		50.0	51.1		ug/L		102	48 - 136	3	20
Chloroform	<0.37		50.0	43.3		ug/L		87	70 - 120	8	20
Chloromethane	<0.32		50.0	44.9		ug/L		90	56 - 152	5	20
cis-1,2-Dichloroethene	0.73	J	50.0	47.5		ug/L		94	70 - 125	7	20
cis-1,3-Dichloropropene	<0.42		50.0	45.9		ug/L		92	64 - 127	7	20
Dibromochloromethane	<0.49		50.0	43.4		ug/L		87	68 - 125	8	20
Dibromomethane	<0.27		50.0	44.7		ug/L		89	70 - 120	4	20
Dichlorodifluoromethane	<0.67		50.0	39.5		ug/L		79	40 - 159	5	20
Ethylbenzene	<0.18		50.0	51.4		ug/L		103	70 - 123	6	20
Hexachlorobutadiene	<0.45		50.0	49.8		ug/L		100	51 - 150	10	20
Isopropylbenzene	<0.39		50.0	55.7		ug/L		111	70 - 126	6	20
Methyl tert-butyl ether	<0.39		50.0	42.1		ug/L		84	55 - 123	7	20
Methylene Chloride	<1.6		50.0	45.3		ug/L		91	69 - 125	6	20
Naphthalene	<0.34		50.0	45.2		ug/L		90	53 - 144	5	20
n-Butylbenzene	<0.39		50.0	49.4		ug/L		99	68 - 125	7	20
N-Propylbenzene	<0.41		50.0	52.7		ug/L		105	69 - 127	6	20
p-Isopropyltoluene	<0.36		50.0	52.3		ug/L		105	70 - 125	7	20
sec-Butylbenzene	<0.40		50.0	53.1		ug/L		106	70 - 123	7	20
Styrene	<0.39		50.0	48.5		ug/L		97	70 - 120	7	20
tert-Butylbenzene	<0.40		50.0	53.5		ug/L		107	70 - 121	8	20
Tetrachloroethene	57		50.0	110		ug/L		107	70 - 128	3	20
Toluene	<0.15		50.0	49.9		ug/L		100	70 - 125	8	20
trans-1,2-Dichloroethene	<0.35		50.0	46.2		ug/L		92	70 - 125	8	20
trans-1,3-Dichloropropene	<0.36		50.0	42.3		ug/L		85	62 - 128	5	20
Trichloroethene	0.92		50.0	50.8		ug/L		100	70 - 125	6	20
Trichlorofluoromethane	<0.43		50.0	41.1		ug/L		82	55 - 128	6	20
Vinyl chloride	<0.20		50.0	47.1		ug/L		94	64 - 126	6	20
Xylenes, Total	<0.22		100	94.6		ug/L		95	70 - 125	7	20

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	81		75 - 126
4-Bromofluorobenzene (Surr)	106		72 - 124
Dibromofluoromethane (Surr)	89		75 - 120
Toluene-d8 (Surr)	101		75 - 120



# Lab Chronicle

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

## Client Sample ID: MW1

Date Collected: 01/12/21 12:15

Date Received: 01/13/21 10:15

Lab Sample ID: 500-193690-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	581347	01/18/21 11:53	STW	TAL CHI

## Client Sample ID: MW2

Date Collected: 01/12/21 12:09

Date Received: 01/13/21 10:15

Lab Sample ID: 500-193690-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	581347	01/18/21 12:18	STW	TAL CHI

## Client Sample ID: MW3

Date Collected: 01/12/21 12:04

Date Received: 01/13/21 10:15

Lab Sample ID: 500-193690-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	581347	01/18/21 12:43	STW	TAL CHI

## Client Sample ID: MW4

Date Collected: 01/12/21 14:02

Date Received: 01/13/21 10:15

Lab Sample ID: 500-193690-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	581347	01/18/21 13:08	STW	TAL CHI

## Client Sample ID: MW5

Date Collected: 01/12/21 14:08

Date Received: 01/13/21 10:15

Lab Sample ID: 500-193690-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	581347	01/18/21 13:33	STW	TAL CHI

## Client Sample ID: MW6

Date Collected: 01/12/21 09:58

Date Received: 01/13/21 10:15

Lab Sample ID: 500-193690-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	581347	01/18/21 13:58	STW	TAL CHI

## Client Sample ID: MW7

Date Collected: 01/12/21 13:48

Date Received: 01/13/21 10:15

Lab Sample ID: 500-193690-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	581347	01/18/21 14:23	STW	TAL CHI



# Lab Chronicle

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

**Client Sample ID: MW8**  
**Date Collected: 01/12/21 12:22**  
**Date Received: 01/13/21 10:15**

**Lab Sample ID: 500-193690-8**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	581347	01/18/21 14:48	STW	TAL CHI

**Client Sample ID: MW10**  
**Date Collected: 01/12/21 13:55**  
**Date Received: 01/13/21 10:15**

**Lab Sample ID: 500-193690-9**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	581347	01/18/21 15:13	STW	TAL CHI

**Client Sample ID: PZ1**  
**Date Collected: 01/12/21 14:15**  
**Date Received: 01/13/21 10:15**

**Lab Sample ID: 500-193690-10**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	581347	01/18/21 15:37	STW	TAL CHI

**Client Sample ID: Dup**  
**Date Collected: 01/12/21 00:00**  
**Date Received: 01/13/21 10:15**

**Lab Sample ID: 500-193690-11**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	581347	01/18/21 16:03	STW	TAL CHI

**Client Sample ID: Trip**  
**Date Collected: 01/12/21 14:17**  
**Date Received: 01/13/21 10:15**

**Lab Sample ID: 500-193690-12**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	581347	01/18/21 11:28	STW	TAL CHI

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: Stantec Consulting Corp.  
Project/Site: Care n Cleaners Site - 193702865

Job ID: 500-193690-1

## Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

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Chain of Custody Record

<b>Client Information</b>		Sampler: <u>Jeff Brand</u>		Lab PM: <u>Fredrick Sandie</u>		Camera Tracking No(s)		COC No: <u>500-88541 39659 1</u>									
Client Contact: <u>Tyler Hischke</u>		Phone: <u>920-883-8501</u>		E-Mail: <u>sandra.fredrick@eurofinset.com</u>		State of Origin		Page: <u>Page 1 of 2</u>									
Company: <u>Stantec Consulting Corp</u>		FWSID		<b>Analysis Requested</b>						Job #: <u>500-193690</u>							
Address: <u>1165 Scheuring Road</u>		Due Date Requested		<table border="1"> <tr><td>Field Filtered Sample (Yes or No)</td></tr> <tr><td>Perform MS/MSD (Yes or No)</td></tr> <tr><td>8260B VOC</td></tr> <tr><td>Total Number of Containers</td></tr> </table>						Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B VOC	Total Number of Containers	Preservation Codes		A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2CO3 E NaHCO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S Na2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCA K EDTA W pH 4-5 L EDA Z other specify Other	
Field Filtered Sample (Yes or No)																	
Perform MS/MSD (Yes or No)																	
8260B VOC																	
Total Number of Containers																	
City: <u>De Pere</u>		TAT Requested (days)															
State/Zip: <u>WI 54115</u>		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No															
Phone		PC #: <u>19302865</u>															
E-mail: <u>tyler.hischke@stantec.com</u>		VJ#															
Project Name: <u>Care n Cleaners Site 19302865</u>		Project #: <u>50009659</u>															
Site		SSOW#															
<b>Sample Identification</b>		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Preservation Code		Special Instructions/Note					
1	<u>mw1</u>	<u>1-12-21</u>	<u>1215</u>	<u>G</u>	<u>Water</u>	<u>X</u>	<u>A</u>										
2	<u>mw2</u>		<u>1209</u>		<u>Water</u>	<u>X</u>											
3	<u>mw3</u>		<u>1204</u>		<u>Water</u>	<u>X</u>											
4	<u>mw4</u>		<u>1402</u>		<u>Water</u>	<u>X</u>											
5	<u>mw5</u>		<u>1408</u>		<u>Water</u>	<u>X</u>											
6	<u>mw6</u>		<u>958</u>		<u>Water</u>	<u>X</u>											
7	<u>mw7</u>		<u>1348</u>		<u>Water</u>	<u>X</u>											
8	<u>mw8</u>		<u>1222</u>		<u>Water</u>	<u>X</u>											
9	<u>mw10</u>		<u>1355</u>		<u>Water</u>	<u>X</u>											
10	<u>Pz1</u>		<u>1415</u>		<u>Water</u>	<u>X</u>											
11	<u>Dup</u>	<u>↓</u>		<u>↓</u>	<u>Water</u>	<u>X</u>											
<b>Possible Hazard Identification</b>						<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>											
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months											
Deliverable Requested I II III IV Other (specify)						Special Instructions/QC Requirements											
Empty Kit Relinquished by: <u>[Signature]</u>		Date: <u>1-12-21</u>		Time: <u>1600</u>		Method of Shipment		Received by: <u>Stephanie Hernandez</u>		Date/Time: <u>1/13/21 1015</u>		Company: <u>ETA-CHI</u>					
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:							
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:							
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) and Other Remarks: <u>1.7-7.3</u>													

# Chain of Custody Record



<b>Client Information</b>					Sampler <i>Jeff Brand</i>	Lab PM Fredrick Sande	Carrier Tracking No(s)	COG No. 500-88541-39659 2						
Client Contact Tyler Hischke					Phone 920-883-8501	Mail sandra.fredrick@eurofinset.com	Date of Origin	Page Page 2 of 2						
Company Stantec Consulting Corp					P/MSID		<b>Analysis Requested</b>							
Address 1165 Scheuing Road					Due Date Requested		Job # <i>500-193690</i> <b>Preservation Codes</b> A HCL           M Hexane B NaOH           N None C Zn Acetate    O AsNaO2 D Nitric Acid    P Na2O4S E NaHSO4        Q Na2SO3 F MeOH           R Na2S2O3 G Amphlo         S H2SO4 H Ascorbic Acid T TSP Dodecar ydrate U Acetone J Ul Water        V MCAA K EDTA           W pH 4-5 L ECA             Z other specry)  Other:							
City De Pere					TAT Requested (days)									
State Zip WI 54115					Compliance Project    Yes   No									
Phone					PC # 193702865									
Email tyler.hischke@stantec.com					WC #		Total Number of Containers:  8250B VOC							
Project Name Care n Cleaners Site 193702865					Project # 50009659									
Site					SSOV#									
Sample Identification					Sample Date	Sample Time					Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)
Preservation Code					Special Instructions/Note									
<i>Trip</i>					<i>1-12-21</i>	<i>1417</i>	<i>G</i>	<i>Water</i>	<i>X</i>	<i>X</i>				
								<i>Water</i>						
								<i>Water</i>						
<b>Possible Hazard Identification</b>					<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>									
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiologica					<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Deliverable Requested I II III IV Other (specify)					Special Instructions/QC Requirements									
Empty Kit Relinquished by					Date	Time	Method of Shipment							
Relinquished by <i>Jeff Brand</i>					Date/Time <i>1-12-21 1600</i>	Company <i>Stantec</i>	Received by <i>Stephanie Hernandez</i>	Date/Time <i>1/13/21 1015</i>	Company <i>ETA-CHI</i>					
Relinquished by					Date/Time	Company	Received by	Date/Time	Company					
Relinquished by					Date/Time	Company	Received by	Date/Time	Company					
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No					Custody Seal No		Locker Temperature(s) °C and Other Remarks							

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# Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 500-193690-1

**Login Number: 193690**

**List Source: Eurofins TestAmerica, Chicago**

**List Number: 1**

**Creator: Hernandez, Stephanie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.3
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	