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

February 21, 2020

Attention: Jeff Ackerman
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397

Reference: Additional Investigation for 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, the Property), which is presently occupied by an active dry-cleaning business. In a February 20, 2019 letter, you requested a workplan and cost estimate to complete the following additional investigation at the Site (Ackerman, 2019).

1. Installation of sub-slab depressurization system inside the Site building.
2. Estimate and illustrate the distribution of mass of contamination, in support of the idea that excavation would be inefficient.
3. Complete one additional round of groundwater monitoring.

Stantec then developed a workplan to complete the additional investigation (Stantec, 2019). In an August 14, 2019 letter, the WDNR approved the workplan and stated that the investigation is eligible for reimbursement under the Drycleaner Environmental Response Fund (Ackerman, 2017). This letter summarizes the results of additional investigation activities outlined in the workplan.

METHODS OF INVESTIGATION

The additional investigation included the installation of a sub-slab depressurization system in the Site building, an estimate and illustration of the distribution of mass of contamination at the Site, and collection of groundwater samples from monitoring wells. Details of this work are provided below. The Site layout is illustrated on Figure 1.

Installation of Depressurization System

On October 1, 2019, Lifetime Radon Solutions began installation of a sub-slab depressurization system at the Care'n Cleaners dry-cleaning Site building. The Site building had three separate foundations which all required depressurization. Due to varying sub-slab materials, two separate mitigation systems were installed. Each system was equipped with an AMG Eagle Extreme fan and its own system monitor on the negative pressure side of the piping. Installation of both systems was completed on October 2, 2019.

Upon completion, system fans were activated and allowed to run for an appropriate amount of time before Pressure Field Extension Testing (PFET) was conducted. PFET testing was conducted to ensure that the entire footprint of the Site building was being mitigated. Several pressure points on each slab on grade were tested with the locations being chosen based on distance from the system collection points, square footage of slab distance from one another, and location of carpeting and machinery. Upon successful PFET testing, the sub-slab vapor mitigation

system was determined to be active and in proper working condition. Lifetime Radon Solutions installation report including a summary of PFET testing is included in Attachment A.

Groundwater

On October 3, 2019, 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 TestAmerica for laboratory analysis. A duplicate sample was collected from MW4. TestAmerica analyzed all groundwater samples for volatile organic compounds (VOCs).

ADDITIONAL SITE INVESTIGATION RESULTS

Groundwater

Groundwater elevations measured in the monitoring wells are summarized in Table 2. The October 3, 2019 water table elevations and flow direction are illustrated in Figure 2. Water level data indicates that groundwater elevations increased 7 to 10 feet in October 2019 compared to the historical elevations which were generally consistent over time. The dramatic increase in the groundwater table was likely related to significant increased precipitation that occurred in the Waupun area during September and early October 2019. In October 2019 the groundwater table was located approximately 10 feet below the bedrock surface compared to historically being approximately 20 feet below the bedrock surface.

Groundwater flow at the Site was flat with only a 0.02-foot difference in groundwater elevations in the wells on the western, northern, and southern Site boundaries. MW4, located on the eastern Site boundary appears to be the local groundwater high during October 2019 with groundwater flowing northeast away from this location. The northeasterly direction is generally consistent with historical groundwater flow east of the Site.

Except for PZ1, PCE concentrations in groundwater from each well exceeded the Chapter NR140 Wisconsin Administrative Code (NR 140) enforcement standard (ES) of 5.0 micrograms per liter (ug/L). PCE concentrations ranged from 8.1 to 270 ug/L. The PCE concentrations in groundwater increased in each of the wells beside PZ1. The groundwater sample collected from PZ1 contained a PCE concentration (1.0 ug/L) that exceeded the NR 140 preventative action limit (PAL) of 0.5 ug/L but was less than the ES.

Trichloroethene (TCE) was detected in monitoring wells MW2, MW6, and MW7. TCE detected in MW6 (0.81 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 also detected in MW7, but the concentration was less than the limit of quantitation and also less than the PAL. No other VOCs were present above laboratory detection limits the groundwater samples collected from the groundwater monitoring wells.

Groundwater flow direction and extent of PCE in groundwater above the ES is shown on Figure 2. Groundwater quality results are summarized in Table 3. Groundwater laboratory analytical reports and chain of custody records are included in Attachment B.

ANALYSIS OF CONTAMINANT MASS IN SOIL

To determine an approximate mass of chlorinated VOCs (CVOCs) remaining in soil at the Site, Stantec used historical soil sampling data (Table 1) and divided the area of soil containing elevated CVOCs into three zones based on the lateral extent of CVOCs in soil (Zones 1, 2, and 3) as shown on Figure 3. In addition, each zone was divided into depth intervals of similar CVOC concentrations. Table 4 summarizes how each zone is divided, average CVOC concentrations used for calculation, and provides a detailed example of the soil mass calculation process. Based on the assumptions regarding the extent of CVOCs in soil, approximately 0.674 kilograms (equivalent to 0.11 gallons) of PCE remain in soil at the Site and represents greater than 98% of the VOCs detected in soil.

Site Investigation data collected to date does not support source removal and if considered, would not be an effective remedial alternative for the following reasons:

1. The very limited mass of PCE (0.674 kilograms) remaining in soil;
2. The presence of the majority of PCE-impacted soil beneath the Site building preventing direct contact and limiting downward migration of PCE;
3. PCE is no longer used at the Site thereby eliminating a source for ongoing PCE releases to soil;
4. The active sub-slab depressurization system installed in the Site building is effectively addressing the vapor intrusion pathway;
5. VOCs were not present above vapor intrusion screening levels in sub-slab vapor samples collected beneath the basement of the nearest offsite building; and
6. PCE-impacted soil is not in contact with the groundwater table.

CONCLUSIONS AND RECOMMENDATIONS

The extent of PCE released to soil and is defined and no additional soil or soil vapor investigation is warranted. In addition, based on an analysis of contaminant mass in soil, remedial action to address residual PCE in soil is not practical. Though PCE concentrations in groundwater were elevated during the recent sampling event, the increase in concentrations is likely attributable to a rise in the groundwater table beneath the Site caused by recent precipitation events. Stantec recommends additional groundwater monitoring to determine if the increase in groundwater elevations is sustained and the long term affect it has on overall contaminant trends.

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.

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c: Cal Lemmenes

REFERENCES

Ackerman, Jeff (WDNR) letter to Cal Lemmenes (Care'n Cleaners LLC), "Meeting Request and Review of Stantec's 'Additional Site Investigation Results' for the Care'n Cleaners Case at 735 West Main Street, Waupun, Wisconsin, DNR #02-14-552053" August 30, 2016.

Stantec Consulting Services Inc. letter to Jeff Ackerman (WDNR), "Workplan and Cost Estimate – Additional Investigation, Care'n Cleaners, 735 West Main Street, Waupun, Wisconsin; WDNR BRRTS #02-14-552053" August 2, 2017.

Ackerman, Jeff (WNDR) letter to Cal Lemmenes (Care'n Cleaners LLC), "Change Order Request for Care'n Cleaners, 735 West Main Street, Waupun, Wisconsin; DNR BRRTS Activity # 02-14-552053" October 19, 2017.

Wisconsin Department of Natural Resources, "Groundwater Monitoring Well Requirements," Wisconsin Administrative Code, Chapter NR 141, June 2015.

Wisconsin Department of Natural Resources, "Groundwater Quality," Wisconsin Administrative Code, Chapter NR 140, February 2017.

TABLES

Table 1: Soil Sample Field Screening and Laboratory Analytical Results, Care'n Cleaners, Waupun, WI

Borehole Number	Sample Number	Date Sampled	Sample Depth (fbg)	PID Response (iui)	Description	Detected VOCs (micrograms per kilogram)			
						Tetrachloroethene (PCE)	Toluene	Trichloroethene (TCE)	Total Xylenes
WDNR RCL for Protection from Direct Contact Risk(non-industrial)						33,000	818,000	1,300	260,000
WDNR RCL for Protection of Groundwater*** (non-industrial)						4.5	1,107.2	3.6	3,960
B1	B1-8	07/11/08	8	0	Clayey silt	81	<23	<20	<48
B2	B2-8	07/11/08	8	0	Clayey silt	103	<23	<20	<48
B3	B3-8	07/11/08	8	0	Clayey silt	268	<23	<20	<48
B4	B4-11	07/11/08	11	0	Clayey silt	1480	26.3 J	<20	36 "J"
B5	S501	08/01/11	2-4	9	fine silty sand	30.8 "J"	<50	<17	<136
	S502	08/01/11	4-6	18	fine silty sand	142	<50	62	<136
	S503	08/01/11	6-8	3	fine silty sand	-	-	-	-
B6	S601	08/01/11	2-4	12	silty sand	49 "J"	<50	<17	<136
	S602	08/01/11	4-6	7	silty sand	-	-	-	-
	S603	08/01/11	6-8	1	silty sand	-	-	-	-
B7	S701	08/01/11	2-4	2	silty sand	<24	<50	<17	<136
	S702	08/01/11	4-6	1	silty sand	-	-	-	-
	S703	08/01/11	6-8	1	Silty clay	-	-	-	-
	S704	08/01/11	8-10	1	Silty clay	-	-	-	-
	S705	08/01/11	10-12	2	Silty clay	25 "J"	<50	22.2 "J"	<136
B8	S801	08/01/11	2-4	1	fine silty sand	<24	<50	<17	<136
	S802	08/01/11	4-6	2	fine silty sand	-	-	-	-
	S803	08/01/11	6-8	1	fine silty sand	-	-	-	-
	S803	08/01/11	8-10	2	fine silty sand	-	-	-	-
B9	S901	08/01/11	1.0-1.5	4	silty sand	620	<50	<17	<136
	S902	08/01/11	2.0-2.5	2	silty sand	-	-	-	-
B10 (inside basement)	S1001	08/01/11	7.0-7.5	2	silty sand	-	-	-	-
	S1002	08/01/11	7.5-8.0	4	silty sand	109	<50	<17	<136
B11	S1101	04/20/12	2-4	0	fine silty sand	<24	<50	<17	<136
	S1102	04/20/12	4-6	0	fine silty sand	-	-	-	-
	S1103	04/20/12	6-7	0	sandy clay, bedrock encountered at 7 feet	-	-	-	-
B12	S1201	04/20/12	2-4	0	fine silty sand	<24	<50	<17	<136
	S1202	04/20/12	4.5-6.5	0	fine silty sand	-	-	-	-
	S1203	04/20/12	7-9	0	fine silty sand	-	-	-	-
B13	S1301	06/01/12	0-2	4	topsoil	-	-	-	-
	S1302	06/01/12	2-4	7	silty clay	-	-	-	-
	S1303	06/01/12	4-6	10	fine silty sand	-	-	-	-
	S1304	06/01/12	6-8	12	silty clay	<24	<50	<17	<136
B14	S1401	06/01/12	0-2	0	3" concrete, then topsoil	-	-	-	
	S1402	06/01/12	2-4	0	Silty clay	<24	<50	<17	<136
	S1403	06/01/12	4-6	0	fine silty sand	-	-	-	
	S1404	06/01/12	4-7	0	fine silty sand	<24	<50	<17	<136

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Borehole Number	Sample Number	Date Sampled	Sample Depth (fbg)	PID Response (iui)	Description	Detected VOCs (micrograms per kilogram)			
						Tetrachloroethene (PCE)	Toluene	Trichloroethene (TCE)	Total Xylenes
B15	S1501	06/01/12	0-2	0	6-inches topsoil then fine silty sand	-	-	-	
	S1502	06/01/12	2-4	0	silty clay	<24	<50	<17	<136
	S1503	06/01/12	4-6	0	fine silty sand	-	-	-	
	S1504	06/01/12	6-8	0	fine silty sand	<24	<50	<17	<136
B16	S1601	06/01/12	0-2	0	1 foot topsoil then fine silty sand	-	-	-	
	S1602	06/01/12	2-4	0	fine silty sand	<24	<50	<17	<136
	S1603	06/01/12	4-6	0	fine silty sand	-	-	-	
	S1604	06/01/12	6-8	0	fine silty sand	<24	<50	<17	<136
B17	-	08/04/14	Blind Drilled - no soil samples collected						
B18	S1801	08/04/14	1-3	0	fine silty sand	<49	-	<28	-
	S1802	08/04/14	3-5	0	fine silty sand	-	-	-	-
	S1803	08/04/14	5-7	0	fine silty sand	-	-	-	-
	S1804	08/04/14	7-7.5	0	fine silty sand, bedrock encountered at 7.5 feet	<49	-	<28	-
B19	-	08/04/14	Blind Drilled - no soil samples collected						
B20	-	05/20/16	Blind Drilled - no soil samples collected						
B21	S2101	05/20/16	0-2	3.1	sandy gravel	1100	<14	<16	<21
	S2102	05/20/16	2-4	1.5	silty clay with sand	170	<14	<16	<21
B22	S2201	05/20/16	0-2	18.1	topsoil	4100	<18	<20	<27
	S2202	05/20/16	2-4	8.1	silty clay with sand	1500	<15	<17	<23
B23	S2301	05/20/16	0-2	0.7	gravel and silty sand	570	<14	<16	<22
	S2302	05/20/16	2-4	0.3	silty clay with sand	570	<18	<20	<27
B24	S2401	05/20/16	0-2	0.3	1 foot topsoil underlain by silty clay	<39	<15	<17	<23
	S2402	05/20/16	2-4	0.3	silty sandy clay	<39	<15	<17	<23
B25	S2501	05/20/16	0-2	0.1	1 foot topsoil underlain by silty clay	<39	<16	<17	<23
	S2502	05/20/16	2-4	0.3	silty sandy clay	<39	<14	<16	<22
B26	S2601	05/20/16	0-2	0.3	1 foot topsoil underlain by silty clay	<39	<16	<17	<23
	S2602	05/20/16	2-4	0.7	silty sandy clay	<39	<16	<17	<23
B27	S27(6-8)	06/22/18	6-8	7.4	silty sandy clay	<23	<9.1	<10	<14
B28	S28(6-8)	06/22/18	6-8	4.8	Sand and Gravel	130	<9.0	<10	<13
B29	S29(4-6)	06/22/18	4-6	3.9	Sand and Gravel	140	<9.5	<11	<14

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						Tetrachloroethene (PCE)	Toluene	Trichloroethene (TCE)	Total Xylenes
B30	-	06/22/18	Blind Drilled - no soil samples collected						

Note:

PID = photoionization detector
iui = instrument units as isobutylene
<x = Not detected above Laboratory Limit of Detection (LOD) of X.
- = Not Analyzed
J = analyte detected between the limit of detection and the limit of quantitation
fbg = feet below ground surface
*** = dilution factor of 2 used since site investigation is complete and extent of contamination has been defined
VOC = volatile organic compounds
XXX = concentrations exceeds WDNR proposed RCL for protection from direct contact risk (non-industrial)
XXX = exceeds WDNR proposed RCL for protection of groundwater (non-industrial)

Notes: All analyzed samples consist of soil unless otherwise noted.
WDNR soil RCL Summary table (June 2018) used to establish RCLs for groundwater protection and direct contact.

Table 2: 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
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
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
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
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
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
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
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
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
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

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

Table 3 Groundwater Analytical Results, Care'n Cleaners, Waupun, Wisconsin

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	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	96	0.5	0.5	7	20	0.02
NR 140 Enforcement Standard (µg/l)			NE	NE	700	NE	NE	NE	480	5	5	70	100	0.2
MW1	08/09/11	74.45	8.3	9.9	1.33 J	6.2	10.7	8.8	18.5	9.8	<0.47	<0.74	<0.79	<0.18
	8/9/2011*	74.45	9.6	8.4	1.28 "J"	5.9	10.9	9.0	18.6	10	<0.47	<0.74	<0.79	<0.18
	05/01/12	76.10	<18	<20	<15.6	<18.4	<18.4	<11.8	<30.8	236	<9.4	<14.8	<15.8	<3.6
	08/28/12	72.83	<9	<10	<7.8	<9.2	<9.2	<5.9	<15.4	91	<4.7	<7.4	<7.9	<1.8
	11/28/12	73.25	<9	<10	<7.8	<9.2	<9.2	<5.9	<15.4	82	<4.7	<7.4	<7.9	<1.8
	11/28/12*	73.25	<0.9	<1	<0.78	<0.92	<0.92	<0.59	<1.54	90	2.2	<0.74	<0.79	<0.18
	08/07/14	74.78	<0.35	<0.33	<0.55	<0.3	<0.31	<0.25	<3.6	21	<0.33	<0.38	<0.35	<0.18
	12/18/14	74.97	<0.13	<0.15	<0.13	<0.14	<0.17	<0.13	<0.14	35	17	6.4	3.8	<0.10
	06/03/16	75.65	<0.39	<0.40	<0.18	<0.28	<0.36	<0.41	<0.51	42	<0.16	<0.41	<0.35	<0.20
	06/27/18	74.98	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.61	51	0.84	0.90 J	<0.35	<0.20
	10/03/19	82.95	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.61	120	<0.43	<0.41	<0.35	<0.20
MW2	08/09/11	74.93	<0.9	< 1	< 0.78	<0.92	< 0.92	< 0.59	< 0.82	1.21 J	< 0.82	< 0.82	< 0.82	< 0.82
	05/01/12	76.32	<0.9	<1	<0.78	<0.92	<0.92	<0.59	<1.54	52	<0.47	<0.74	<0.79	<0.18
	08/28/12	73.03	<0.9	<1	<0.78	<0.92	<0.92	<0.59	<1.54	26.2	<0.47	<0.74	<0.79	<0.18
	11/28/12	73.48	<0.9	<1	<0.78	<0.92	<0.92	<0.59	<1.54	52	<0.47	<0.74	<0.79	<0.18
	08/07/14	75.02	<0.35	<0.33	<0.55	<0.3	<0.31	<0.25	<3.6	41	<0.33	<0.38	<0.35	<0.18
	12/18/14	75.20	<0.13	<0.15	<0.13	<0.14	<0.17	<0.13	<0.14	45	<0.19	<0.12	<0.25	<0.10
	06/03/16	75.86	<0.39	<0.40	<0.18	<0.28	<0.36	<0.41	<0.51	11	<0.16	<0.41	<0.35	<0.20
	06/27/18	75.00	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.61	68	<0.16	<0.41	<0.35	<0.20
	10/03/19	82.97	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.61	110	0.49 J	<0.41	<0.35	<0.20
MW3	08/09/11	74.79	< 0.9	< 1	< 0.78	< 0.92	< 0.82	< 0.59	< 0.82	8.3	< 0.82	< 0.82	< 0.82	< 0.82
	05/01/12	76.10	<0.9	<1	<0.78	<0.92	<0.92	<0.59	<1.54	27	<0.47	<0.74	<0.79	<0.18
	08/28/12	72.80	<0.9	<1	<0.78	<0.92	<0.92	<0.59	<1.54	19.1	<0.47	<0.74	<0.79	<0.18
	11/28/12	73.24	<0.9	<1	<0.78	<0.92	<0.92	<0.59	<1.54	10.3	<0.47	<0.74	<0.79	<0.18
	08/07/14	74.82	<0.35	<0.33	<0.55	<0.3	<0.31	<0.25	<3.6	3.6	<0.33	<0.38	<0.35	<0.18
	12/18/14	74.98	<0.13	<0.15	<0.13	<0.14	<0.17	<0.13	<0.14	7.8	<0.19	<0.12	<0.25	<0.10
	06/03/16	75.64	<0.39	<0.40	<0.18	<0.28	<0.36	<0.41	<0.51	2.5	<0.16	<0.41	<0.35	<0.20
	06/27/18	74.77	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.61	32	<0.16	<0.41	<0.35	<0.20
	10/03/19	82.96	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.61	19	<0.16	<0.41	<0.35	<0.20
MW4	08/09/11	74.70	< 0.9	< 1	< 0.78	< 0.92	< 0.82	< 0.59	< 0.82	21.1	< 0.82	< 0.82	< 0.82	< 0.82
	05/01/12	76.24	<0.9	<1	<0.78	<0.92	<0.92	<0.59	<1.54	50	<0.47	<0.74	<0.79	<0.18
	08/28/12	72.86	<0.9	<1	<0.78	<0.92	<0.92	<0.59	<1.54	6.7	<0.47	<0.74	<0.79	<0.18
	11/28/12	73.30	<0.9	<1	<0.78	<0.92	<0.92	<0.59	<1.54	11.6	<0.47	<0.74	<0.79	<0.18
	08/07/14	74.86	<0.35	<0.33	<0.55	<0.3	<0.31	<0.25	<3.6	30.1	<0.33	<0.38	<0.35	<0.18
	12/18/14*	75.27	<0.13	<0.15	<0.13	<0.14	<0.17	<0.13	<0.14	19	<0.19	<0.12	<0.25	<0.10
	12/18/14	75.27	<0.13	<0.15	<0.13	<0.14	<0.17	<0.13	<0.14	20	<0.19	<0.12	<0.25	<0.10
	06/03/16	75.74	<0.39	<0.40	<0.18	<0.28	<0.36	<0.41	<0.51	27	<0.16	<0.41	<0.35	<0.20
	06/03/16*	75.74	<0.39	<0.40	<0.18	<0.28	<0.36	<0.41	<0.51	24	<0.16	<0.41	<0.35	<0.20
	06/27/18	74.79	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.61	84	<0.16	<0.41	<0.35	<0.20
	06/27/18*	74.79	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.61	81	<0.16	<0.41	<0.35	<0.20
	10/03/19	83.31	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.61	200	<0.16	<0.41	<0.35	<0.20
	10/03/19*	83.31	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.61	270	<0.16	<0.41	<0.35	<0.20
MW5	05/01/12	76.22	<0.9	<1	<0.78	<0.92	<0.92	<0.59	<1.54	24.7	3.4	11.8	<0.79	<0.18
	08/28/12	72.79	<0.9	<1	<0.78	<0.92	<0.92	<0.59	<1.54	8.7	<0.47	<0.74	<0.79	<0.18
	11/28/12	73.24	<0.9	<1	<0.78	<0.92	<0.92	<0.59	<1.54	19.2	<0.47	<0.74	<0.79	<0.18
	08/07/14	74.81	<0.35	<0.33	<0.55	<0.3	<0.31	<0.25	<3.6	33	<0.33	<0.38	<0.35	<0.18
	12/18/14	75.01	<0.13	<0.15	<0.13	<0.14	<0.17	<0.13	<0.14	11	<0.19	<0.12	<0.25	<0.10
	06/27/18	74.72	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.61	44	<0.16	<0.41	<0.35	<0.20
	10/03/19	83.06	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.61	160	<0.16	<0.41	<0.35	<0.20
	06/03/16	75.75	<0.39	<0.40	<0.18	<0.28	<0.36	<0.41	<0.51	16	<0.16	<0.41	<0.35	<0.20
MW6	05/01/12	76.12	---	---	---	---	---	---	---	2.55	<0.47	<0.74	<0.79	<0.18
	08/28/12	72.98	---	---	---	---	---	---	---	5	<0.47	<0.74	<0.79	<0.18
	11/28/12	73.39	---	---	---	---	---	---	---	6.4	1.16 "J"	0.91 "J"	<0.79	<0.18
	08/07/14	74.27	---	---	---	---	---	---	---	5.9	<0.33	<0.38	<0.35	<0.18
	08/07/14*	74.27	---	---	---	---	---	---	---	5.3	<0.33	<0.38	<0.35	<0.18
	12/18/14	75.10	---	---	---	---	---	---	---	6.6	<0.19	<0.12	<0.25	<0.10
	06/03/16	75.69	---	---	---	---	---	---	---	2.0	<0.16	<0.41	<0.35	<0.20
	06/27/18	74.89	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.61	7.7	<0.16	<0.41	<0.35	<0.20
	10/03/19	82.87	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.61	230	0.81	<0.41	<0.35	<0.20
MW7	08/07/14	73.96	<0.35	<0.33	<0.55	<0.3	<0.31	<0.25	<3.6	1.8	<0.33	<0.38	<0.35	<0.18
	12/18/14	74.09	<0.13	<0.15	<0.13	<0.14	<0.17	<0.13	<0.14	4.6	<0.19	<0.12	<0.25	<0.10
	06/03/16	75.08	<0.39	<0.40	<0.18	<0.28	<0.36	<0.41	<0.51	4.0	<0.16	<0.42	<0.35	<0.20
	06/27/18	73.91	<0.39	<0.40	<0.18	<0.39	<0.36	<0.41	<0.61	8.9	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	<0.61	17	0.41 J	0.84 J	<0.35	<0.20
MW8	08/07/14	75.02	---	---	---	---	---	---	---	0.69 "J"	<0.33	<0.38	<0.35	<0.18
	12/18/14	75.19	<0.13	<0.15	<0.13	<0.14	<0.17	<0.13	<0.14	0.78 "J"	<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	<0.51	1.2	<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	<0.61	2.2	<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	<0.61	8.1	<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	<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	<0.14	16	<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	<0.51	24	<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	<0.61	26	<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	<0.61	9.7	<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	<0.61	91	<0.16	<0.41	<0.35	<0.20
PZ1	06/03/16	75.78	<0.39	<0.40	<0.18	<0.28	<0.36	<0.41	<0.51	1.0	<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	<0.51	1.0	<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

Table 4 - Soil VOC Contamination Mass, Care'N Cleaners, Waupun, Wisconsin

Zone	Area (ft^2)	Depth Interval (ft)	Volume (ft^3)	Avergae PCE Contamination (ug/kg)	Avergae total VOC Contamination (ug/kg)	Total Mass of PCE (kg)	Total Mass of VOCs (kg)
1	482.68	0-2	965.36	4000	4000	0.195	0.195
		2-4	965.36	1500	1500	0.073	0.073
		4-10	2896.08	500	500	0.073	0.073
2	785.63	0-2	1571.26	1100	1100	0.087	0.087
		2-6	3142.52	570	570	0.090	0.090
		6-10	3142.52	180	200	0.029	0.032
3	3012.94	0-4	12051.76	0	0	0.000	0.000
		4-10	18077.64	140	150	0.128	0.137
					Totals	**0.674**	**0.686**

Note: average density of soil was assumed to be 1 yd^3 per 1.5 ton

Mass calculation:

$$Mass\ (kg) = Volume\ (ft^3) \times \left[Concentration\ \left(\frac{\mu g}{kg}\right) \times 1e^{-9}\right] \times 50.40\ \left(\frac{kg}{ft^3}\right)$$

Example Calculation (Zone 1, 0-2 feet depth interval, Total Mass of VOCs)

$$Mass\ (kg) = 965.36\ (ft^3) \times \left[4000\ \left(\frac{\mu g}{kg}\right) \times 1e^{-9}\right] \times 50.40\ \left(\frac{kg}{ft^3}\right)$$

$$Mass = 0.195\ kg$$

FIGURES

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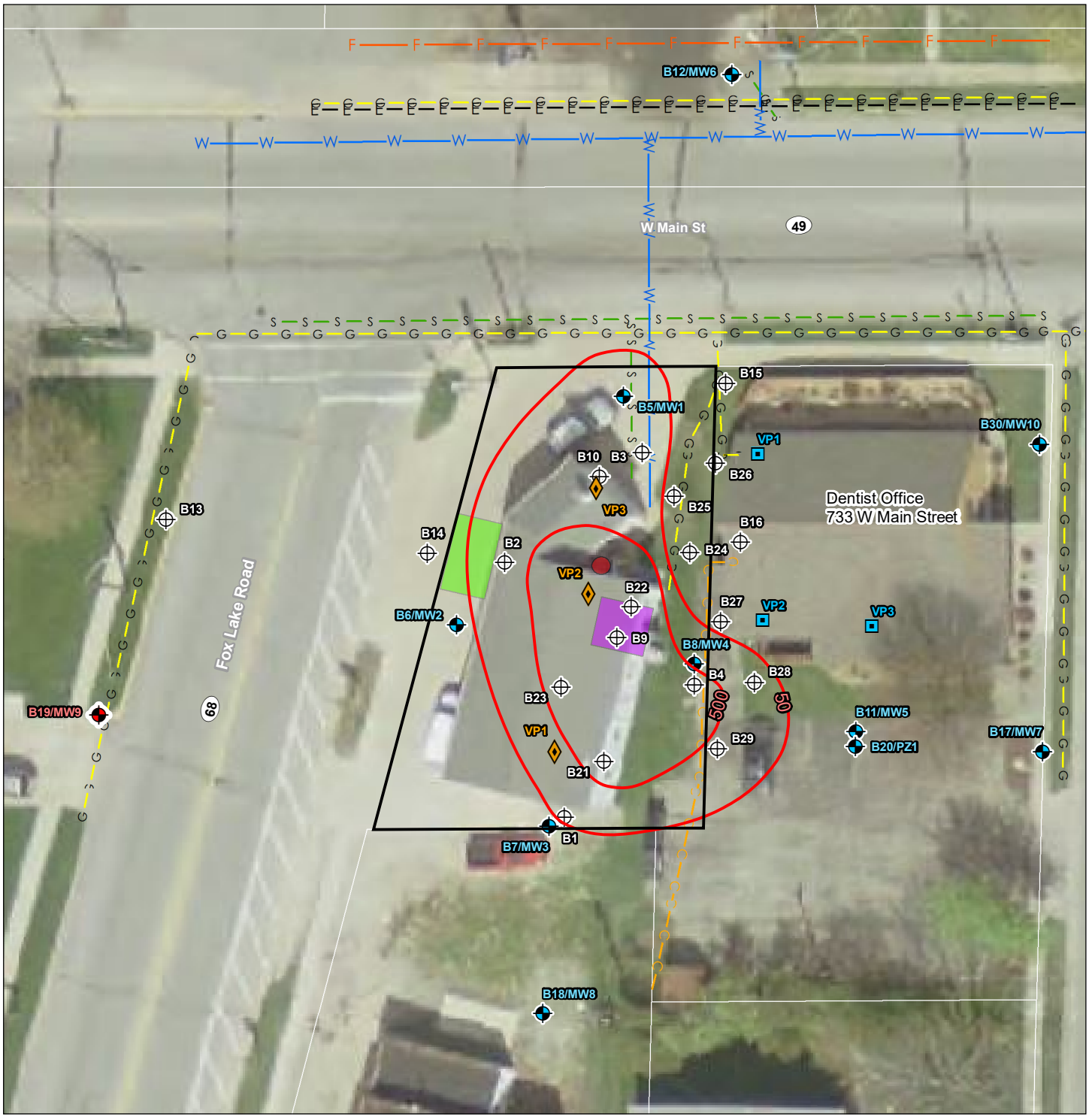

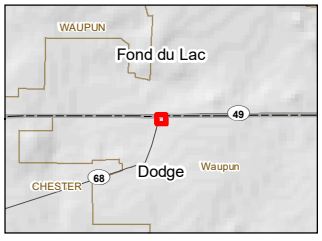

Notes
1. Coordinate System: NAD 1983 HARN WISCRS Dodge County Feet
2. Data Sources Include: Stantec, NADS Orthophotography: ESRI

Legend

- Approximate Site Boundary
- Abandoned Monitoring Well
- Borehole Location and Identification
- Soil Borehole / Monitoring Well Location and Identification
- Vapor Point inside 735 West Main Street
- Vapor Point inside 733 West Main Street
- Approximate PCE In Soil Isoconcentration Line (ug/Kg)
- AST - PCE - Removed 1980s
- Drycleaning Machine Area
- Former Gas UST Area
- E—E Electric
- F—F Fiber Optic Line
- G—G Buried Gas Line
- S—S Sanitary Sewer
- C—C Buried Communication Line
- W—W Water Line

Figure No.
1

Title
Site Layout and Approximate Extent of PCE in Soil

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

Project Location
T14N, R15E, S31
C. of Waupun,
Dodge Co., WI

193702865
Prepared by AJS on 2016-07-05
Updated by AJS on 2018-09-18
Independent Review by CCH on 2016-10-04

0 15 30 Feet
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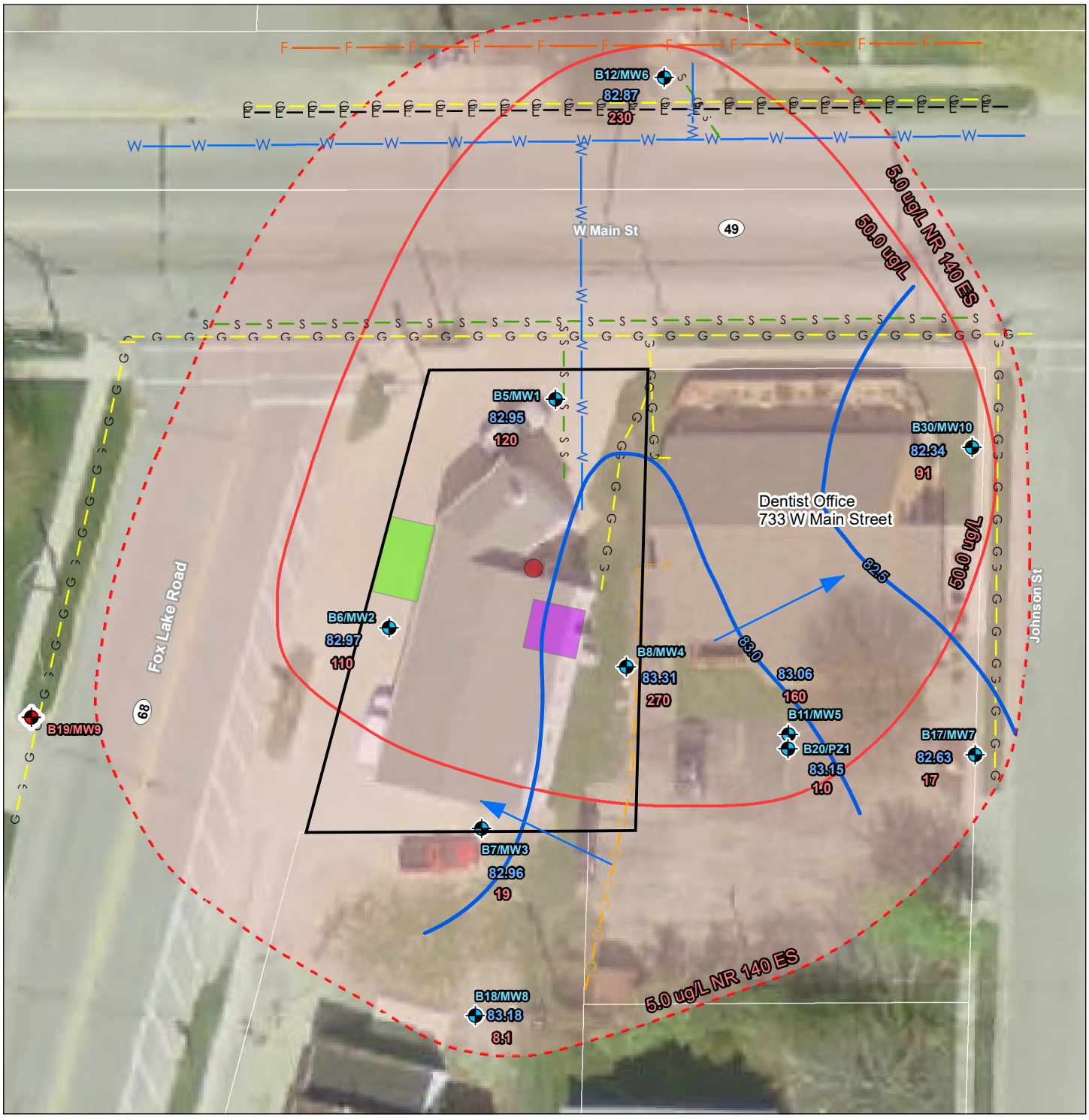
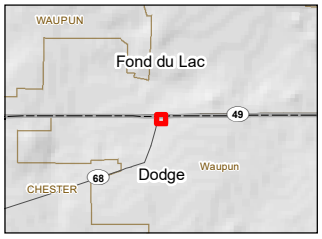
Stantec





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

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
- E—E Electric
- F—F Fiber Optic Line
- G—G Buried Gas Line
- S—S Sanitary Sewer
- C—C Buried Communication Line
- W—W Water Line
- 74.77 Groundwater Elevation (ft)
- 32 PCE Concentration in Groundwater (ug/L) - October 2019

Figure No.
2

Title
Groundwater Contour Map
October 3, 2019

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

Project Location
T14N, R15E, S31
C. of Waupun,
Dodge Co., WI

193702865
Prepared by AJS on 2016-07-05
Updated by AJS on 2020-01-17
Independent Review by CCH on 2020-01-17

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Stantec

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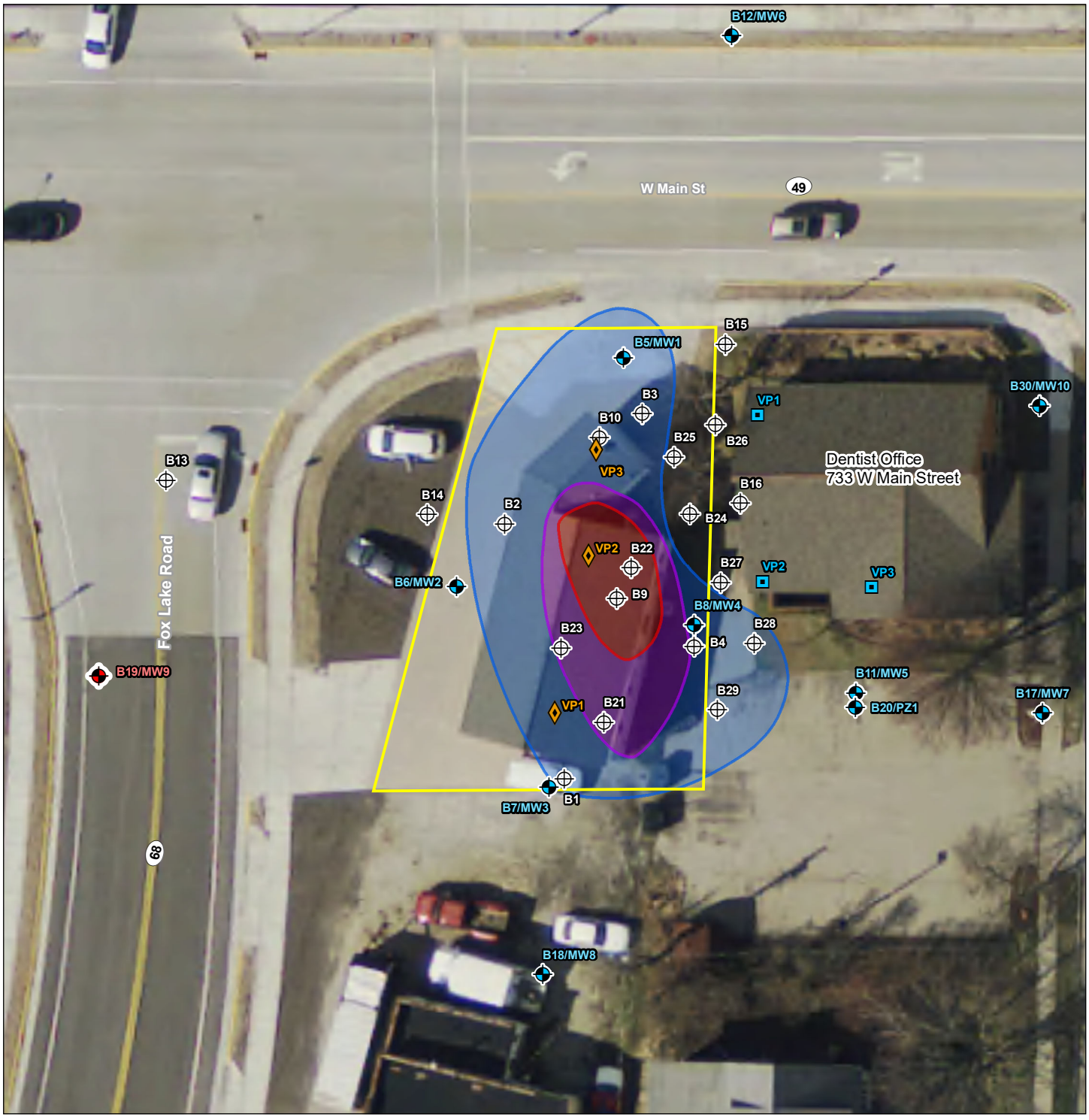

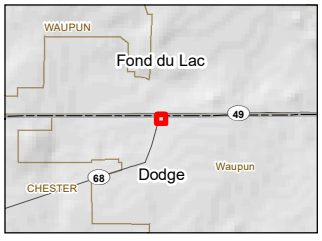

Notes

1. Coordinate System: NAD 1983 HARN WISCRS Dodge County Feet
2. Data Sources Include: Stantec, NADS, SCO
3. Orthophotography: Dodge County 2017

Legend

- Approximate Site Boundary
- Abandoned Monitoring Well
- Borehole Location
- Soil Borehole / Monitoring Well Location
- Vapor Point inside 735 West Main Street
- Vapor Point inside 733 West Main Street
- Zone 1
- Zone 2
- Zone 3

Figure No.
3

Title
Site Layout and Approximate Extent of VOC in Soil

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

Project Location
T14N, R15E, S31
C. of Waupun,
Dodge Co., WI

193702865
Prepared by AJS on 2020-02-11
Technical Review by MZ on 2020-02-11
Independent Review by XX on 2020-XX-XX

0 15 30 Feet
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Stantec

ATTACHMENT A

SUB-SLAB DEPRESSURIZATION SYSTEM INSTALLATION

LIFETIME RADON SOLUTIONS

262.955.5701
RADON TESTING AND MITIGATION

Installation Report for Care n Clean Dry Cleaners Located at 735 Main St in Waupun, Wi

Chad Rogness, Director of Commercial Projects

Lifetime Radon Solutions Inc.

October 2nd, 2019

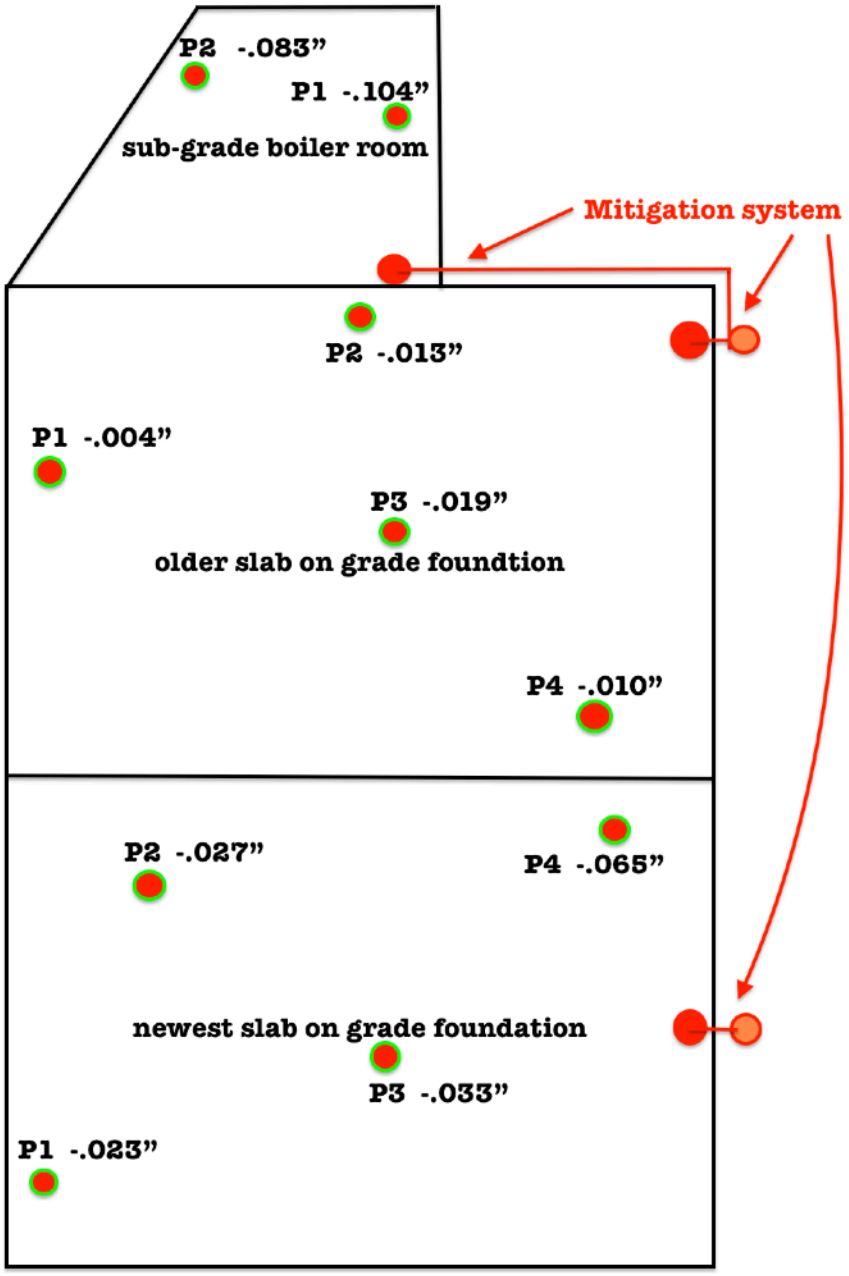
Installation

The building of concern located at 735 Main St had three separate foundations which all required depressurization. In order to achieve this, two separate mitigation systems were installed. The reason for separate systems was the different sub slab materials would not allow a single fan to handle both the high pressure needs of the older foundations and the high volume needs of the newest foundation. The sub slab of the older foundation has a very fine sand with 1 - 2 inch river rocks while the newest foundation sub slab material has 1inch sieved gravel. The same fan was used for both systems, AMG Eagle Extreme. This fan has the capability of nearly 5.5" of pressure while at little resistance still capable of over 300cfm. The system servicing the older foundations had one collection on the slab on grade main floor and a second collection on the sub-grade boiler room slab. Each system has its own system monitor on the negative pressure side of the piping. This monitor is called a manometer and simply measure negative pressure in the system piping. If these pressure monitors ever read zero it is recommended that Lifetime Radon Solutions is notified to address the issue. The installation of both systems were completed on time and on budget.

Post Mitigation Testing

Once installation was complete and the fans had ben activated for an appropriate amount of time, Pressure Field Extension Testing (PFET) was completed to ensure that the entire foot print of the building was being mitigated. The two slab on grade sections each had 4 pressure points tested while the sub-grade section had 2. These locations were chosen based on distance from the system collection points, square footage of slab distance from one another and location of carpeting and machinery.

Please diagram below for PFET results and mitigation system layout.


P2 -.083”
P1 -.104”
sub-grade boiler room
Mitigation system
P2 -.013”
P1 -.004”
P3 -.019”
older slab on grade foundtion
P4 -.010”
P2 -.027”
P4 -.065”
newest slab on grade foundation
P3 -.033”
P1 -.023”

ATTACHMENT B

LABORATORY ANALYSIS REPORTS AND CHAIN-OF-CUSTODY

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 500-171301-1
Client Project/Site: Care'n Cleaners - 193702865

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

Attn: Mr. Jeff Brand

Sandie Fredrick

Authorized for release by:
10/21/2019 3:43:13 PM

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

Table of Contents

Case Narrative

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

Job ID: 500-171301-1

Job ID: 500-171301-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-171301-1

Comments
No additional comments.

Receipt
The samples were received on 10/5/2019 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.7º C.

GC/MS VOA
Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW4 (500-171301-4), MW6 (500-171301-6) and DUP (500-171301-11). Elevated reporting limits (RLs) are provided.

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: 500-171301-1

Client Sample ID: MW1 — Lab Sample ID: 500-171301-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	120		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: MW2 — Lab Sample ID: 500-171301-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	110		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	0.49	J	0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW3 — Lab Sample ID: 500-171301-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	19		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: MW4 — Lab Sample ID: 500-171301-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene - DL	200		10	3.7	ug/L	10		8260B	Total/NA

Client Sample ID: MW5 — Lab Sample ID: 500-171301-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	160		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: MW6 — Lab Sample ID: 500-171301-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.81		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene - DL	230		10	3.7	ug/L	10		8260B	Total/NA

Client Sample ID: MW7 — Lab Sample ID: 500-171301-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	17		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: MW8 — Lab Sample ID: 500-171301-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	8.1		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: MW10 — Lab Sample ID: 500-171301-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	91		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: PZ1 — Lab Sample ID: 500-171301-10

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

Client Sample ID: DUP — Lab Sample ID: 500-171301-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene - DL	270		10	3.7	ug/L	10		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 500-171301-1

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 - 193702865

Job ID: 500-171301-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-171301-1	MW1	Water	10/03/19 13:15	10/05/19 09:30	
500-171301-2	MW2	Water	10/03/19 13:02	10/05/19 09:30	
500-171301-3	MW3	Water	10/03/19 12:44	10/05/19 09:30	
500-171301-4	MW4	Water	10/03/19 11:21	10/05/19 09:30	
500-171301-5	MW5	Water	10/03/19 11:29	10/05/19 09:30	
500-171301-6	MW6	Water	10/03/19 13:56	10/05/19 09:30	
500-171301-7	MW7	Water	10/03/19 11:44	10/05/19 09:30	
500-171301-8	MW8	Water	10/03/19 12:55	10/05/19 09:30	
500-171301-9	MW10	Water	10/03/19 11:52	10/05/19 09:30	
500-171301-10	PZ1	Water	10/03/19 11:37	10/05/19 09:30	
500-171301-11	DUP	Water	10/03/19 00:00	10/05/19 09:30	

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

Job ID: 500-171301-1

Client Sample ID: MW1
Date Collected: 10/03/19 13:15
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-1
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			10/16/19 11:44	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/16/19 11:44	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/16/19 11:44	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/16/19 11:44	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/16/19 11:44	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/16/19 11:44	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/16/19 11:44	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/16/19 11:44	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/16/19 11:44	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/16/19 11:44	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/16/19 11:44	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/16/19 11:44	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/16/19 11:44	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/16/19 11:44	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/16/19 11:44	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/16/19 11:44	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/16/19 11:44	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/16/19 11:44	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/16/19 11:44	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/16/19 11:44	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/16/19 11:44	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/16/19 11:44	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/16/19 11:44	1
Benzene	<0.15		0.50	0.15	ug/L			10/16/19 11:44	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/16/19 11:44	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/16/19 11:44	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/16/19 11:44	1
Bromoform	<0.48		1.0	0.48	ug/L			10/16/19 11:44	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/16/19 11:44	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/16/19 11:44	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/16/19 11:44	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/16/19 11:44	1
Chloroform	<0.37		2.0	0.37	ug/L			10/16/19 11:44	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/16/19 11:44	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/16/19 11:44	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/16/19 11:44	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/16/19 11:44	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/16/19 11:44	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/16/19 11:44	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/16/19 11:44	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/16/19 11:44	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/16/19 11:44	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 11:44	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/16/19 11:44	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/16/19 11:44	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/16/19 11:44	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 11:44	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/16/19 11:44	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/16/19 11:44	1

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

Job ID: 500-171301-1

Client Sample ID: MW1
Date Collected: 10/03/19 13:15
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-1
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			10/16/19 11:44	1
Styrene	<0.39		1.0	0.39	ug/L			10/16/19 11:44	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/16/19 11:44	1
Tetrachloroethene	**120**		1.0	0.37	ug/L			10/16/19 11:44	1
Toluene	<0.15		0.50	0.15	ug/L			10/16/19 11:44	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/16/19 11:44	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/16/19 11:44	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/16/19 11:44	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/16/19 11:44	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/16/19 11:44	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/16/19 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*10/16/19 11:44*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/16/19 11:44*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*10/16/19 11:44*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*10/16/19 11:44*	*1*

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

Job ID: 500-171301-1

Client Sample ID: MW2
Date Collected: 10/03/19 13:02
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-2
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			10/16/19 12:10	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/16/19 12:10	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/16/19 12:10	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/16/19 12:10	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/16/19 12:10	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/16/19 12:10	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/16/19 12:10	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/16/19 12:10	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/16/19 12:10	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/16/19 12:10	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/16/19 12:10	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/16/19 12:10	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/16/19 12:10	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/16/19 12:10	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/16/19 12:10	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/16/19 12:10	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/16/19 12:10	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/16/19 12:10	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/16/19 12:10	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/16/19 12:10	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/16/19 12:10	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/16/19 12:10	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/16/19 12:10	1
Benzene	<0.15		0.50	0.15	ug/L			10/16/19 12:10	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/16/19 12:10	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/16/19 12:10	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/16/19 12:10	1
Bromoform	<0.48		1.0	0.48	ug/L			10/16/19 12:10	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/16/19 12:10	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/16/19 12:10	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/16/19 12:10	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/16/19 12:10	1
Chloroform	<0.37		2.0	0.37	ug/L			10/16/19 12:10	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/16/19 12:10	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/16/19 12:10	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/16/19 12:10	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/16/19 12:10	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/16/19 12:10	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/16/19 12:10	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/16/19 12:10	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/16/19 12:10	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/16/19 12:10	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 12:10	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/16/19 12:10	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/16/19 12:10	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/16/19 12:10	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 12:10	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/16/19 12:10	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/16/19 12:10	1

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

Job ID: 500-171301-1

Client Sample ID: MW2
Date Collected: 10/03/19 13:02
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-2
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			10/16/19 12:10	1
Styrene	<0.39		1.0	0.39	ug/L			10/16/19 12:10	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/16/19 12:10	1
Tetrachloroethene	**110**		1.0	0.37	ug/L			10/16/19 12:10	1
Toluene	<0.15		0.50	0.15	ug/L			10/16/19 12:10	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/16/19 12:10	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/16/19 12:10	1
Trichloroethene	**0.49**	**J**	0.50	0.16	ug/L			10/16/19 12:10	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/16/19 12:10	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/16/19 12:10	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/16/19 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*10/16/19 12:10*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*10/16/19 12:10*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*10/16/19 12:10*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*10/16/19 12:10*	*1*

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

Job ID: 500-171301-1

Client Sample ID: MW3
Date Collected: 10/03/19 12:44
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-3
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			10/16/19 12:36	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/16/19 12:36	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/16/19 12:36	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/16/19 12:36	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/16/19 12:36	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/16/19 12:36	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/16/19 12:36	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/16/19 12:36	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/16/19 12:36	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/16/19 12:36	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/16/19 12:36	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/16/19 12:36	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/16/19 12:36	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/16/19 12:36	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/16/19 12:36	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/16/19 12:36	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/16/19 12:36	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/16/19 12:36	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/16/19 12:36	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/16/19 12:36	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/16/19 12:36	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/16/19 12:36	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/16/19 12:36	1
Benzene	<0.15		0.50	0.15	ug/L			10/16/19 12:36	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/16/19 12:36	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/16/19 12:36	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/16/19 12:36	1
Bromoform	<0.48		1.0	0.48	ug/L			10/16/19 12:36	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/16/19 12:36	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/16/19 12:36	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/16/19 12:36	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/16/19 12:36	1
Chloroform	<0.37		2.0	0.37	ug/L			10/16/19 12:36	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/16/19 12:36	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/16/19 12:36	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/16/19 12:36	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/16/19 12:36	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/16/19 12:36	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/16/19 12:36	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/16/19 12:36	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/16/19 12:36	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/16/19 12:36	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 12:36	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/16/19 12:36	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/16/19 12:36	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/16/19 12:36	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 12:36	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/16/19 12:36	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/16/19 12:36	1

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

Job ID: 500-171301-1

Client Sample ID: MW3
Date Collected: 10/03/19 12:44
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-3
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			10/16/19 12:36	1
Styrene	<0.39		1.0	0.39	ug/L			10/16/19 12:36	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/16/19 12:36	1
Tetrachloroethene	**19**		1.0	0.37	ug/L			10/16/19 12:36	1
Toluene	<0.15		0.50	0.15	ug/L			10/16/19 12:36	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/16/19 12:36	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/16/19 12:36	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/16/19 12:36	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/16/19 12:36	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/16/19 12:36	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/16/19 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*10/16/19 12:36*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*10/16/19 12:36*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*10/16/19 12:36*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*10/16/19 12:36*	*1*

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

Job ID: 500-171301-1

Client Sample ID: MW4
Date Collected: 10/03/19 11:21
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-4
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			10/16/19 13:02	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/16/19 13:02	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/16/19 13:02	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/16/19 13:02	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/16/19 13:02	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/16/19 13:02	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/16/19 13:02	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/16/19 13:02	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/16/19 13:02	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/16/19 13:02	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/16/19 13:02	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/16/19 13:02	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/16/19 13:02	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/16/19 13:02	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/16/19 13:02	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/16/19 13:02	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/16/19 13:02	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/16/19 13:02	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/16/19 13:02	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/16/19 13:02	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/16/19 13:02	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/16/19 13:02	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/16/19 13:02	1
Benzene	<0.15		0.50	0.15	ug/L			10/16/19 13:02	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/16/19 13:02	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/16/19 13:02	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/16/19 13:02	1
Bromoform	<0.48		1.0	0.48	ug/L			10/16/19 13:02	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/16/19 13:02	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/16/19 13:02	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/16/19 13:02	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/16/19 13:02	1
Chloroform	<0.37		2.0	0.37	ug/L			10/16/19 13:02	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/16/19 13:02	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/16/19 13:02	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/16/19 13:02	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/16/19 13:02	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/16/19 13:02	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/16/19 13:02	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/16/19 13:02	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/16/19 13:02	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/16/19 13:02	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 13:02	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/16/19 13:02	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/16/19 13:02	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/16/19 13:02	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 13:02	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/16/19 13:02	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/16/19 13:02	1

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

Job ID: 500-171301-1

Client Sample ID: MW4
Date Collected: 10/03/19 11:21
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-4
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			10/16/19 13:02	1
Styrene	<0.39		1.0	0.39	ug/L			10/16/19 13:02	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/16/19 13:02	1
Toluene	<0.15		0.50	0.15	ug/L			10/16/19 13:02	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/16/19 13:02	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/16/19 13:02	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/16/19 13:02	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/16/19 13:02	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/16/19 13:02	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/16/19 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*10/16/19 13:02*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*10/16/19 13:02*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*10/16/19 13:02*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*10/16/19 13:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**200**		10	3.7	ug/L			10/16/19 13:27	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*10/16/19 13:27*	*10*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*10/16/19 13:27*	*10*
Dibromofluoromethane	*99*		*75 - 120*		*10/16/19 13:27*	*10*
Toluene-d8 (Surr)	*102*		*75 - 120*		*10/16/19 13:27*	*10*

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

Job ID: 500-171301-1

Client Sample ID: MW5
Date Collected: 10/03/19 11:29
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-5
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			10/16/19 13:53	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/16/19 13:53	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/16/19 13:53	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/16/19 13:53	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/16/19 13:53	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/16/19 13:53	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/16/19 13:53	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/16/19 13:53	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/16/19 13:53	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/16/19 13:53	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/16/19 13:53	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/16/19 13:53	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/16/19 13:53	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/16/19 13:53	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/16/19 13:53	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/16/19 13:53	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/16/19 13:53	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/16/19 13:53	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/16/19 13:53	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/16/19 13:53	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/16/19 13:53	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/16/19 13:53	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/16/19 13:53	1
Benzene	<0.15		0.50	0.15	ug/L			10/16/19 13:53	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/16/19 13:53	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/16/19 13:53	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/16/19 13:53	1
Bromoform	<0.48		1.0	0.48	ug/L			10/16/19 13:53	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/16/19 13:53	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/16/19 13:53	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/16/19 13:53	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/16/19 13:53	1
Chloroform	<0.37		2.0	0.37	ug/L			10/16/19 13:53	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/16/19 13:53	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/16/19 13:53	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/16/19 13:53	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/16/19 13:53	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/16/19 13:53	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/16/19 13:53	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/16/19 13:53	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/16/19 13:53	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/16/19 13:53	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 13:53	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/16/19 13:53	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/16/19 13:53	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/16/19 13:53	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 13:53	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/16/19 13:53	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/16/19 13:53	1

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

Job ID: 500-171301-1

Client Sample ID: MW5
Date Collected: 10/03/19 11:29
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-5
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			10/16/19 13:53	1
Styrene	<0.39		1.0	0.39	ug/L			10/16/19 13:53	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/16/19 13:53	1
Tetrachloroethene	**160**		1.0	0.37	ug/L			10/16/19 13:53	1
Toluene	<0.15		0.50	0.15	ug/L			10/16/19 13:53	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/16/19 13:53	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/16/19 13:53	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/16/19 13:53	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/16/19 13:53	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/16/19 13:53	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/16/19 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*10/16/19 13:53*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/16/19 13:53*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*10/16/19 13:53*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*10/16/19 13:53*	*1*

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

Job ID: 500-171301-1

Client Sample ID: MW6
Date Collected: 10/03/19 13:56
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-6
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			10/16/19 14:18	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/16/19 14:18	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/16/19 14:18	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/16/19 14:18	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/16/19 14:18	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/16/19 14:18	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/16/19 14:18	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/16/19 14:18	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/16/19 14:18	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/16/19 14:18	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/16/19 14:18	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/16/19 14:18	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/16/19 14:18	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/16/19 14:18	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/16/19 14:18	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/16/19 14:18	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/16/19 14:18	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/16/19 14:18	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/16/19 14:18	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/16/19 14:18	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/16/19 14:18	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/16/19 14:18	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/16/19 14:18	1
Benzene	<0.15		0.50	0.15	ug/L			10/16/19 14:18	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/16/19 14:18	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/16/19 14:18	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/16/19 14:18	1
Bromoform	<0.48		1.0	0.48	ug/L			10/16/19 14:18	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/16/19 14:18	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/16/19 14:18	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/16/19 14:18	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/16/19 14:18	1
Chloroform	<0.37		2.0	0.37	ug/L			10/16/19 14:18	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/16/19 14:18	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/16/19 14:18	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/16/19 14:18	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/16/19 14:18	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/16/19 14:18	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/16/19 14:18	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/16/19 14:18	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/16/19 14:18	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/16/19 14:18	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 14:18	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/16/19 14:18	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/16/19 14:18	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/16/19 14:18	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 14:18	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/16/19 14:18	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/16/19 14:18	1

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

Job ID: 500-171301-1

Client Sample ID: MW6

Date Collected: 10/03/19 13:56
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-6

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			10/16/19 14:18	1
Styrene	<0.39		1.0	0.39	ug/L			10/16/19 14:18	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/16/19 14:18	1
Toluene	<0.15		0.50	0.15	ug/L			10/16/19 14:18	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/16/19 14:18	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/16/19 14:18	1
Trichloroethene	**0.81**		0.50	0.16	ug/L			10/16/19 14:18	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/16/19 14:18	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/16/19 14:18	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/16/19 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*10/16/19 14:18*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/16/19 14:18*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*10/16/19 14:18*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*10/16/19 14:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**230**		10	3.7	ug/L			10/17/19 14:47	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*10/17/19 14:47*	*10*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*10/17/19 14:47*	*10*
Dibromofluoromethane	*101*		*75 - 120*		*10/17/19 14:47*	*10*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/17/19 14:47*	*10*

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

Job ID: 500-171301-1

Client Sample ID: MW7
Date Collected: 10/03/19 11:44
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-7
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			10/16/19 15:10	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/16/19 15:10	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/16/19 15:10	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/16/19 15:10	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/16/19 15:10	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/16/19 15:10	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/16/19 15:10	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/16/19 15:10	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/16/19 15:10	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/16/19 15:10	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/16/19 15:10	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/16/19 15:10	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/16/19 15:10	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/16/19 15:10	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/16/19 15:10	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/16/19 15:10	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/16/19 15:10	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/16/19 15:10	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/16/19 15:10	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/16/19 15:10	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/16/19 15:10	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/16/19 15:10	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/16/19 15:10	1
Benzene	<0.15		0.50	0.15	ug/L			10/16/19 15:10	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/16/19 15:10	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/16/19 15:10	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/16/19 15:10	1
Bromoform	<0.48		1.0	0.48	ug/L			10/16/19 15:10	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/16/19 15:10	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/16/19 15:10	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/16/19 15:10	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/16/19 15:10	1
Chloroform	<0.37		2.0	0.37	ug/L			10/16/19 15:10	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/16/19 15:10	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/16/19 15:10	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/16/19 15:10	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/16/19 15:10	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/16/19 15:10	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/16/19 15:10	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/16/19 15:10	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/16/19 15:10	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/16/19 15:10	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 15:10	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/16/19 15:10	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/16/19 15:10	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/16/19 15:10	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 15:10	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/16/19 15:10	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/16/19 15:10	1

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

Job ID: 500-171301-1

Client Sample ID: MW7
Date Collected: 10/03/19 11:44
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-7
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			10/16/19 15:10	1
Styrene	<0.39		1.0	0.39	ug/L			10/16/19 15:10	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/16/19 15:10	1
Tetrachloroethene	**17**		1.0	0.37	ug/L			10/16/19 15:10	1
Toluene	<0.15		0.50	0.15	ug/L			10/16/19 15:10	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/16/19 15:10	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/16/19 15:10	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/16/19 15:10	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/16/19 15:10	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/16/19 15:10	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/16/19 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*10/16/19 15:10*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/16/19 15:10*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*10/16/19 15:10*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*10/16/19 15:10*	*1*

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

Job ID: 500-171301-1

Client Sample ID: MW8
Date Collected: 10/03/19 12:55
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-8
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			10/16/19 15:36	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/16/19 15:36	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/16/19 15:36	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/16/19 15:36	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/16/19 15:36	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/16/19 15:36	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/16/19 15:36	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/16/19 15:36	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/16/19 15:36	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/16/19 15:36	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/16/19 15:36	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/16/19 15:36	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/16/19 15:36	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/16/19 15:36	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/16/19 15:36	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/16/19 15:36	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/16/19 15:36	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/16/19 15:36	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/16/19 15:36	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/16/19 15:36	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/16/19 15:36	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/16/19 15:36	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/16/19 15:36	1
Benzene	<0.15		0.50	0.15	ug/L			10/16/19 15:36	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/16/19 15:36	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/16/19 15:36	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/16/19 15:36	1
Bromoform	<0.48		1.0	0.48	ug/L			10/16/19 15:36	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/16/19 15:36	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/16/19 15:36	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/16/19 15:36	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/16/19 15:36	1
Chloroform	<0.37		2.0	0.37	ug/L			10/16/19 15:36	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/16/19 15:36	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/16/19 15:36	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/16/19 15:36	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/16/19 15:36	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/16/19 15:36	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/16/19 15:36	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/16/19 15:36	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/16/19 15:36	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/16/19 15:36	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 15:36	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/16/19 15:36	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/16/19 15:36	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/16/19 15:36	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 15:36	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/16/19 15:36	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/16/19 15:36	1

Client Sample ID: MW8

Date Collected: 10/03/19 12:55
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-8

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			10/16/19 15:36	1
Styrene	<0.39		1.0	0.39	ug/L			10/16/19 15:36	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/16/19 15:36	1
Tetrachloroethene	**8.1**		1.0	0.37	ug/L			10/16/19 15:36	1
Toluene	<0.15		0.50	0.15	ug/L			10/16/19 15:36	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/16/19 15:36	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/16/19 15:36	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/16/19 15:36	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/16/19 15:36	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/16/19 15:36	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/16/19 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*10/16/19 15:36*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/16/19 15:36*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*10/16/19 15:36*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*10/16/19 15:36*	*1*

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

Job ID: 500-171301-1

Client Sample ID: MW10
Date Collected: 10/03/19 11:52
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-9
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			10/16/19 16:02	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/16/19 16:02	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/16/19 16:02	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/16/19 16:02	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/16/19 16:02	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/16/19 16:02	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/16/19 16:02	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/16/19 16:02	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/16/19 16:02	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/16/19 16:02	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/16/19 16:02	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/16/19 16:02	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/16/19 16:02	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/16/19 16:02	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/16/19 16:02	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/16/19 16:02	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/16/19 16:02	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/16/19 16:02	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/16/19 16:02	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/16/19 16:02	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/16/19 16:02	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/16/19 16:02	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/16/19 16:02	1
Benzene	<0.15		0.50	0.15	ug/L			10/16/19 16:02	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/16/19 16:02	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/16/19 16:02	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/16/19 16:02	1
Bromoform	<0.48		1.0	0.48	ug/L			10/16/19 16:02	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/16/19 16:02	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/16/19 16:02	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/16/19 16:02	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/16/19 16:02	1
Chloroform	<0.37		2.0	0.37	ug/L			10/16/19 16:02	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/16/19 16:02	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/16/19 16:02	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/16/19 16:02	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/16/19 16:02	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/16/19 16:02	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/16/19 16:02	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/16/19 16:02	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/16/19 16:02	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/16/19 16:02	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 16:02	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/16/19 16:02	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/16/19 16:02	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/16/19 16:02	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 16:02	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/16/19 16:02	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/16/19 16:02	1

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

Job ID: 500-171301-1

Client Sample ID: MW10
Date Collected: 10/03/19 11:52
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-9
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			10/16/19 16:02	1
Styrene	<0.39		1.0	0.39	ug/L			10/16/19 16:02	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/16/19 16:02	1
Tetrachloroethene	**91**		1.0	0.37	ug/L			10/16/19 16:02	1
Toluene	<0.15		0.50	0.15	ug/L			10/16/19 16:02	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/16/19 16:02	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/16/19 16:02	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/16/19 16:02	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/16/19 16:02	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/16/19 16:02	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/16/19 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*10/16/19 16:02*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*10/16/19 16:02*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*10/16/19 16:02*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*10/16/19 16:02*	*1*

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

Job ID: 500-171301-1

Client Sample ID: PZ1
Date Collected: 10/03/19 11:37
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-10
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			10/16/19 16:28	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/16/19 16:28	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/16/19 16:28	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/16/19 16:28	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/16/19 16:28	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/16/19 16:28	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/16/19 16:28	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/16/19 16:28	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/16/19 16:28	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/16/19 16:28	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/16/19 16:28	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/16/19 16:28	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/16/19 16:28	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/16/19 16:28	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/16/19 16:28	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/16/19 16:28	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/16/19 16:28	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/16/19 16:28	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/16/19 16:28	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/16/19 16:28	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/16/19 16:28	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/16/19 16:28	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/16/19 16:28	1
Benzene	<0.15		0.50	0.15	ug/L			10/16/19 16:28	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/16/19 16:28	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/16/19 16:28	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/16/19 16:28	1
Bromoform	<0.48		1.0	0.48	ug/L			10/16/19 16:28	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/16/19 16:28	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/16/19 16:28	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/16/19 16:28	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/16/19 16:28	1
Chloroform	<0.37		2.0	0.37	ug/L			10/16/19 16:28	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/16/19 16:28	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/16/19 16:28	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/16/19 16:28	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/16/19 16:28	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/16/19 16:28	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/16/19 16:28	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/16/19 16:28	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/16/19 16:28	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/16/19 16:28	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 16:28	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/16/19 16:28	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/16/19 16:28	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/16/19 16:28	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 16:28	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/16/19 16:28	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/16/19 16:28	1

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

Job ID: 500-171301-1

Client Sample ID: PZ1
Date Collected: 10/03/19 11:37
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-10
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			10/16/19 16:28	1
Styrene	<0.39		1.0	0.39	ug/L			10/16/19 16:28	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/16/19 16:28	1
Tetrachloroethene	**1.0**		1.0	0.37	ug/L			10/16/19 16:28	1
Toluene	<0.15		0.50	0.15	ug/L			10/16/19 16:28	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/16/19 16:28	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/16/19 16:28	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/16/19 16:28	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/16/19 16:28	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/16/19 16:28	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/16/19 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*10/16/19 16:28*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/16/19 16:28*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*10/16/19 16:28*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*10/16/19 16:28*	*1*

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

Job ID: 500-171301-1

Client Sample ID: DUP
Date Collected: 10/03/19 00:00
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-11
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			10/16/19 16:54	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/16/19 16:54	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/16/19 16:54	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/16/19 16:54	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/16/19 16:54	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/16/19 16:54	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/16/19 16:54	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/16/19 16:54	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/16/19 16:54	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/16/19 16:54	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/16/19 16:54	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/16/19 16:54	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/16/19 16:54	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/16/19 16:54	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/16/19 16:54	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/16/19 16:54	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/16/19 16:54	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/16/19 16:54	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/16/19 16:54	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/16/19 16:54	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/16/19 16:54	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/16/19 16:54	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/16/19 16:54	1
Benzene	<0.15		0.50	0.15	ug/L			10/16/19 16:54	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/16/19 16:54	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/16/19 16:54	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/16/19 16:54	1
Bromoform	<0.48		1.0	0.48	ug/L			10/16/19 16:54	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/16/19 16:54	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/16/19 16:54	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/16/19 16:54	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/16/19 16:54	1
Chloroform	<0.37		2.0	0.37	ug/L			10/16/19 16:54	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/16/19 16:54	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/16/19 16:54	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/16/19 16:54	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/16/19 16:54	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/16/19 16:54	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/16/19 16:54	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/16/19 16:54	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/16/19 16:54	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/16/19 16:54	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 16:54	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/16/19 16:54	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/16/19 16:54	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/16/19 16:54	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 16:54	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/16/19 16:54	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/16/19 16:54	1

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

Job ID: 500-171301-1

Client Sample ID: DUP

Date Collected: 10/03/19 00:00
Date Received: 10/05/19 09:30

Lab Sample ID: 500-171301-11

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			10/16/19 16:54	1
Styrene	<0.39		1.0	0.39	ug/L			10/16/19 16:54	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/16/19 16:54	1
Toluene	<0.15		0.50	0.15	ug/L			10/16/19 16:54	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/16/19 16:54	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/16/19 16:54	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/16/19 16:54	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/16/19 16:54	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/16/19 16:54	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/16/19 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*10/16/19 16:54*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/16/19 16:54*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*10/16/19 16:54*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/16/19 16:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**270**		10	3.7	ug/L			10/16/19 17:20	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*10/16/19 17:20*	*10*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/16/19 17:20*	*10*
Dibromofluoromethane	*100*		*75 - 120*		*10/16/19 17:20*	*10*
Toluene-d8 (Surr)	*100*		*75 - 120*		*10/16/19 17:20*	*10*

Definitions/Glossary

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

Job ID: 500-171301-1

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

QC Association Summary

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

Job ID: 500-171301-1

GC/MS VOA

Analysis Batch: 510247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-171301-1	MW1	Total/NA	Water	8260B	
500-171301-2	MW2	Total/NA	Water	8260B	
500-171301-3	MW3	Total/NA	Water	8260B	
500-171301-4	MW4	Total/NA	Water	8260B	
500-171301-4 - DL	MW4	Total/NA	Water	8260B	
500-171301-5	MW5	Total/NA	Water	8260B	
500-171301-6	MW6	Total/NA	Water	8260B	
500-171301-7	MW7	Total/NA	Water	8260B	
500-171301-8	MW8	Total/NA	Water	8260B	
500-171301-9	MW10	Total/NA	Water	8260B	
500-171301-10	PZ1	Total/NA	Water	8260B	
500-171301-11	DUP	Total/NA	Water	8260B	
500-171301-11 - DL	DUP	Total/NA	Water	8260B	
MB 500-510247/7	Method Blank	Total/NA	Water	8260B	
LCS 500-510247/5	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 510506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-171301-6 - DL	MW6	Total/NA	Water	8260B	
MB 500-510506/6	Method Blank	Total/NA	Water	8260B	
LCS 500-510506/4	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

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

Job ID: 500-171301-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-171301-1	MW1	94	99	97	103
500-171301-2	MW2	96	97	98	101
500-171301-3	MW3	97	96	98	102
500-171301-4	MW4	97	96	99	101
500-171301-4 - DL	MW4	98	100	99	102
500-171301-5	MW5	98	99	99	101
500-171301-6	MW6	96	99	99	101
500-171301-6 - DL	MW6	100	97	101	99
500-171301-7	MW7	98	99	98	101
500-171301-8	MW8	99	98	100	100
500-171301-9	MW10	98	97	101	100
500-171301-10	PZ1	100	98	100	100
500-171301-11	DUP	99	98	100	99
500-171301-11 - DL	DUP	100	98	100	100
LCS 500-510247/5	Lab Control Sample	93	99	100	102
LCS 500-510506/4	Lab Control Sample	93	97	98	102
MB 500-510247/7	Method Blank	98	98	98	100
MB 500-510506/6	Method Blank	98	96	99	100

Surrogate Legend

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

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

Job ID: 500-171301-1

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

Lab Sample ID: MB 500-510247/7
Matrix: Water
Analysis Batch: 510247

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			10/16/19 11:19	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/16/19 11:19	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/16/19 11:19	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/16/19 11:19	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/16/19 11:19	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/16/19 11:19	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/16/19 11:19	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/16/19 11:19	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/16/19 11:19	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/16/19 11:19	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/16/19 11:19	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/16/19 11:19	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/16/19 11:19	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/16/19 11:19	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/16/19 11:19	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/16/19 11:19	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/16/19 11:19	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/16/19 11:19	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/16/19 11:19	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/16/19 11:19	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/16/19 11:19	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/16/19 11:19	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/16/19 11:19	1
Benzene	<0.15		0.50	0.15	ug/L			10/16/19 11:19	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/16/19 11:19	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/16/19 11:19	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/16/19 11:19	1
Bromoform	<0.48		1.0	0.48	ug/L			10/16/19 11:19	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/16/19 11:19	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/16/19 11:19	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/16/19 11:19	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/16/19 11:19	1
Chloroform	<0.37		2.0	0.37	ug/L			10/16/19 11:19	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/16/19 11:19	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/16/19 11:19	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/16/19 11:19	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/16/19 11:19	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/16/19 11:19	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/16/19 11:19	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/16/19 11:19	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/16/19 11:19	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/16/19 11:19	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 11:19	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/16/19 11:19	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/16/19 11:19	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/16/19 11:19	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/16/19 11:19	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/16/19 11:19	1

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

Lab Sample ID: MB 500-510247/7
Matrix: Water
Analysis Batch: 510247

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/16/19 11:19	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/16/19 11:19	1
Styrene	<0.39		1.0	0.39	ug/L			10/16/19 11:19	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/16/19 11:19	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/16/19 11:19	1
Toluene	<0.15		0.50	0.15	ug/L			10/16/19 11:19	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/16/19 11:19	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/16/19 11:19	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/16/19 11:19	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/16/19 11:19	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/16/19 11:19	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/16/19 11:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*10/16/19 11:19*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/16/19 11:19*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*10/16/19 11:19*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*10/16/19 11:19*	*1*

Lab Sample ID: LCS 500-510247/5
Matrix: Water
Analysis Batch: 510247

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	46.3		ug/L		93	70 - 125
1,1,1-Trichloroethane	50.0	47.7		ug/L		95	70 - 125
1,1,2,2-Tetrachloroethane	50.0	42.2		ug/L		84	62 - 140
1,1,2-Trichloroethane	50.0	44.0		ug/L		88	71 - 130
1,1-Dichloroethane	50.0	46.1		ug/L		92	70 - 125
1,1-Dichloroethene	50.0	46.1		ug/L		92	67 - 122
1,1-Dichloropropene	50.0	46.4		ug/L		93	70 - 121
1,2,3-Trichlorobenzene	50.0	34.2		ug/L		68	51 - 145
1,2,3-Trichloropropane	50.0	43.9		ug/L		88	50 - 133
1,2,4-Trichlorobenzene	50.0	42.3		ug/L		85	57 - 137
1,2,4-Trimethylbenzene	50.0	49.1		ug/L		98	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	35.8		ug/L		72	56 - 123
1,2-Dibromoethane	50.0	43.8		ug/L		88	70 - 125
1,2-Dichlorobenzene	50.0	46.5		ug/L		93	70 - 125
1,2-Dichloroethane	50.0	42.5		ug/L		85	68 - 127
1,2-Dichloropropane	50.0	45.7		ug/L		91	67 - 130
1,3,5-Trimethylbenzene	50.0	49.4		ug/L		99	70 - 123
1,3-Dichlorobenzene	50.0	48.5		ug/L		97	70 - 125
1,3-Dichloropropane	50.0	43.4		ug/L		87	62 - 136
1,4-Dichlorobenzene	50.0	47.2		ug/L		94	70 - 120
2,2-Dichloropropane	50.0	48.0		ug/L		96	58 - 139
2-Chlorotoluene	50.0	48.2		ug/L		96	70 - 125
4-Chlorotoluene	50.0	48.4		ug/L		97	68 - 124
Benzene	50.0	45.8		ug/L		92	70 - 120

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

Lab Sample ID: LCS 500-510247/5
Matrix: Water
Analysis Batch: 510247

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	47.5		ug/L		95	70 - 122
Bromochloromethane	50.0	45.5		ug/L		91	65 - 122
Bromodichloromethane	50.0	44.9		ug/L		90	69 - 120
Bromoform	50.0	43.4		ug/L		87	56 - 132
Bromomethane	50.0	44.6		ug/L		89	40 - 152
Carbon tetrachloride	50.0	49.1		ug/L		98	59 - 133
Chlorobenzene	50.0	47.3		ug/L		95	70 - 120
Chloroethane	50.0	48.4		ug/L		97	48 - 136
Chloroform	50.0	43.6		ug/L		87	70 - 120
Chloromethane	50.0	41.5		ug/L		83	56 - 152
cis-1,2-Dichloroethene	50.0	45.3		ug/L		91	70 - 125
cis-1,3-Dichloropropene	50.0	44.9		ug/L		90	64 - 127
Dibromochloromethane	50.0	44.1		ug/L		88	68 - 125
Dibromomethane	50.0	43.9		ug/L		88	70 - 120
Dichlorodifluoromethane	50.0	35.9		ug/L		72	40 - 159
Ethylbenzene	50.0	48.6		ug/L		97	70 - 123
Hexachlorobutadiene	50.0	46.6		ug/L		93	51 - 150
Isopropylbenzene	50.0	49.9		ug/L		100	70 - 126
Methyl tert-butyl ether	50.0	43.2		ug/L		86	55 - 123
Methylene Chloride	50.0	45.6		ug/L		91	69 - 125
Naphthalene	50.0	35.3		ug/L		71	53 - 144
n-Butylbenzene	50.0	50.4		ug/L		101	68 - 125
N-Propylbenzene	50.0	49.8		ug/L		100	69 - 127
p-Isopropyltoluene	50.0	49.8		ug/L		100	70 - 125
sec-Butylbenzene	50.0	49.2		ug/L		98	70 - 123
Styrene	50.0	47.6		ug/L		95	70 - 120
tert-Butylbenzene	50.0	48.9		ug/L		98	70 - 121
Tetrachloroethene	50.0	48.7		ug/L		97	70 - 128
Toluene	50.0	47.4		ug/L		95	70 - 125
trans-1,2-Dichloroethene	50.0	45.7		ug/L		91	70 - 125
trans-1,3-Dichloropropene	50.0	43.3		ug/L		87	62 - 128
Trichloroethene	50.0	47.7		ug/L		95	70 - 125
Trichlorofluoromethane	50.0	49.3		ug/L		99	55 - 128
Vinyl chloride	50.0	47.1		ug/L		94	64 - 126
Xylenes, Total	100	95.2		ug/L		95	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*
Dibromofluoromethane	*100*		*75 - 120*
Toluene-d8 (Surr)	*102*		*75 - 120*

Lab Sample ID: MB 500-510506/6
Matrix: Water
Analysis Batch: 510506

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			10/17/19 12:39	1

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

Lab Sample ID: MB 500-510506/6
Matrix: Water
Analysis Batch: 510506

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-Trichloroethane	<0.38		1.0	0.38	ug/L			10/17/19 12:39	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/17/19 12:39	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/17/19 12:39	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/17/19 12:39	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/17/19 12:39	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/17/19 12:39	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/17/19 12:39	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/17/19 12:39	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/17/19 12:39	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/17/19 12:39	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/17/19 12:39	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/17/19 12:39	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/17/19 12:39	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/17/19 12:39	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/17/19 12:39	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/17/19 12:39	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/17/19 12:39	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/17/19 12:39	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/17/19 12:39	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/17/19 12:39	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/17/19 12:39	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/17/19 12:39	1
Benzene	<0.15		0.50	0.15	ug/L			10/17/19 12:39	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/17/19 12:39	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/17/19 12:39	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/17/19 12:39	1
Bromoform	<0.48		1.0	0.48	ug/L			10/17/19 12:39	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/17/19 12:39	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/17/19 12:39	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/17/19 12:39	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/17/19 12:39	1
Chloroform	<0.37		2.0	0.37	ug/L			10/17/19 12:39	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/17/19 12:39	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/17/19 12:39	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/17/19 12:39	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/17/19 12:39	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/17/19 12:39	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/17/19 12:39	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/17/19 12:39	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/17/19 12:39	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/17/19 12:39	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/17/19 12:39	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/17/19 12:39	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/17/19 12:39	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/17/19 12:39	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/17/19 12:39	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/17/19 12:39	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/17/19 12:39	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/17/19 12:39	1

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

Lab Sample ID: MB 500-510506/6
Matrix: Water
Analysis Batch: 510506

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.39		1.0	0.39	ug/L			10/17/19 12:39	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/17/19 12:39	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/17/19 12:39	1
Toluene	<0.15		0.50	0.15	ug/L			10/17/19 12:39	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/17/19 12:39	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/17/19 12:39	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/17/19 12:39	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/17/19 12:39	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/17/19 12:39	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/17/19 12:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*10/17/19 12:39*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*10/17/19 12:39*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*10/17/19 12:39*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*10/17/19 12:39*	*1*

Lab Sample ID: LCS 500-510506/4
Matrix: Water
Analysis Batch: 510506

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	45.0		ug/L		90	70 - 125
1,1,1-Trichloroethane	50.0	46.1		ug/L		92	70 - 125
1,1,2,2-Tetrachloroethane	50.0	43.6		ug/L		87	62 - 140
1,1,2-Trichloroethane	50.0	44.8		ug/L		90	71 - 130
1,1-Dichloroethane	50.0	44.9		ug/L		90	70 - 125
1,1-Dichloroethene	50.0	46.2		ug/L		92	67 - 122
1,1-Dichloropropene	50.0	46.0		ug/L		92	70 - 121
1,2,3-Trichlorobenzene	50.0	58.6		ug/L		117	51 - 145
1,2,3-Trichloropropane	50.0	44.8		ug/L		90	50 - 133
1,2,4-Trichlorobenzene	50.0	55.0		ug/L		110	57 - 137
1,2,4-Trimethylbenzene	50.0	46.9		ug/L		94	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	41.8		ug/L		84	56 - 123
1,2-Dibromoethane	50.0	44.2		ug/L		88	70 - 125
1,2-Dichlorobenzene	50.0	46.2		ug/L		92	70 - 125
1,2-Dichloroethane	50.0	41.8		ug/L		84	68 - 127
1,2-Dichloropropane	50.0	45.1		ug/L		90	67 - 130
1,3,5-Trimethylbenzene	50.0	47.2		ug/L		94	70 - 123
1,3-Dichlorobenzene	50.0	47.3		ug/L		95	70 - 125
1,3-Dichloropropane	50.0	44.5		ug/L		89	62 - 136
1,4-Dichlorobenzene	50.0	46.1		ug/L		92	70 - 120
2,2-Dichloropropane	50.0	43.6		ug/L		87	58 - 139
2-Chlorotoluene	50.0	46.3		ug/L		93	70 - 125
4-Chlorotoluene	50.0	46.5		ug/L		93	68 - 124
Benzene	50.0	45.2		ug/L		90	70 - 120
Bromobenzene	50.0	46.2		ug/L		92	70 - 122
Bromochloromethane	50.0	44.3		ug/L		89	65 - 122

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

Lab Sample ID: LCS 500-510506/4
Matrix: Water
Analysis Batch: 510506

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	50.0	42.5		ug/L		85	69 - 120
Bromoform	50.0	43.9		ug/L		88	56 - 132
Bromomethane	50.0	38.9		ug/L		78	40 - 152
Carbon tetrachloride	50.0	47.7		ug/L		95	59 - 133
Chlorobenzene	50.0	46.4		ug/L		93	70 - 120
Chloroethane	50.0	43.8		ug/L		88	48 - 136
Chloroform	50.0	41.9		ug/L		84	70 - 120
Chloromethane	50.0	34.2		ug/L		68	56 - 152
cis-1,2-Dichloroethene	50.0	44.9		ug/L		90	70 - 125
cis-1,3-Dichloropropene	50.0	44.2		ug/L		88	64 - 127
Dibromochloromethane	50.0	43.9		ug/L		88	68 - 125
Dibromomethane	50.0	43.2		ug/L		86	70 - 120
Dichlorodifluoromethane	50.0	25.4		ug/L		51	40 - 159
Ethylbenzene	50.0	47.8		ug/L		96	70 - 123
Hexachlorobutadiene	50.0	49.7		ug/L		99	51 - 150
Isopropylbenzene	50.0	47.3		ug/L		95	70 - 126
Methyl tert-butyl ether	50.0	42.8		ug/L		86	55 - 123
Methylene Chloride	50.0	44.5		ug/L		89	69 - 125
Naphthalene	50.0	51.7		ug/L		103	53 - 144
n-Butylbenzene	50.0	48.9		ug/L		98	68 - 125
N-Propylbenzene	50.0	47.5		ug/L		95	69 - 127
p-Isopropyltoluene	50.0	48.3		ug/L		97	70 - 125
sec-Butylbenzene	50.0	47.0		ug/L		94	70 - 123
Styrene	50.0	46.6		ug/L		93	70 - 120
tert-Butylbenzene	50.0	47.2		ug/L		94	70 - 121
Tetrachloroethene	50.0	48.5		ug/L		97	70 - 128
Toluene	50.0	46.8		ug/L		94	70 - 125
trans-1,2-Dichloroethene	50.0	44.9		ug/L		90	70 - 125
trans-1,3-Dichloropropene	50.0	43.6		ug/L		87	62 - 128
Trichloroethene	50.0	47.1		ug/L		94	70 - 125
Trichlorofluoromethane	50.0	43.3		ug/L		87	55 - 128
Vinyl chloride	50.0	41.0		ug/L		82	64 - 126
Xylenes, Total	100	92.7		ug/L		93	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*
Dibromofluoromethane	*98*		*75 - 120*
Toluene-d8 (Surr)	*102*		*75 - 120*

Lab Chronicle

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

Job ID: 500-171301-1

Client Sample ID: MW1
Lab Sample ID: 500-171301-1
Date Collected: 10/03/19 13:15
Matrix: Water
Date Received: 10/05/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	510247	10/16/19 11:44	APL	TAL CHI

Client Sample ID: MW2
Lab Sample ID: 500-171301-2
Date Collected: 10/03/19 13:02
Matrix: Water
Date Received: 10/05/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	510247	10/16/19 12:10	APL	TAL CHI

Client Sample ID: MW3
Lab Sample ID: 500-171301-3
Date Collected: 10/03/19 12:44
Matrix: Water
Date Received: 10/05/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	510247	10/16/19 12:36	APL	TAL CHI

Client Sample ID: MW4
Lab Sample ID: 500-171301-4
Date Collected: 10/03/19 11:21
Matrix: Water
Date Received: 10/05/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	510247	10/16/19 13:02	APL	TAL CHI
Total/NA	Analysis	8260B	DL	10	510247	10/16/19 13:27	APL	TAL CHI

Client Sample ID: MW5
Lab Sample ID: 500-171301-5
Date Collected: 10/03/19 11:29
Matrix: Water
Date Received: 10/05/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	510247	10/16/19 13:53	APL	TAL CHI

Client Sample ID: MW6
Lab Sample ID: 500-171301-6
Date Collected: 10/03/19 13:56
Matrix: Water
Date Received: 10/05/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	510247	10/16/19 14:18	APL	TAL CHI
Total/NA	Analysis	8260B	DL	10	510506	10/17/19 14:47	APL	TAL CHI

Client Sample ID: MW7
Lab Sample ID: 500-171301-7
Date Collected: 10/03/19 11:44
Matrix: Water
Date Received: 10/05/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	510247	10/16/19 15:10	APL	TAL CHI

Lab Chronicle

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

Job ID: 500-171301-1

Client Sample ID: MW8
Lab Sample ID: 500-171301-8
Date Collected: 10/03/19 12:55
Matrix: Water
Date Received: 10/05/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	510247	10/16/19 15:36	APL	TAL CHI

Client Sample ID: MW10
Lab Sample ID: 500-171301-9
Date Collected: 10/03/19 11:52
Matrix: Water
Date Received: 10/05/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	510247	10/16/19 16:02	APL	TAL CHI

Client Sample ID: PZ1
Lab Sample ID: 500-171301-10
Date Collected: 10/03/19 11:37
Matrix: Water
Date Received: 10/05/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	510247	10/16/19 16:28	APL	TAL CHI

Client Sample ID: DUP
Lab Sample ID: 500-171301-11
Date Collected: 10/03/19 00:00
Matrix: Water
Date Received: 10/05/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	510247	10/16/19 16:54	APL	TAL CHI
Total/NA	Analysis	8260B	DL	10	510247	10/16/19 17:20	APL	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.
Job ID: 500-171301-1
Project/Site: Care'n Cleaners - 193702865

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State Program	999580010	08-31-20

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-171301 COC

(optional)

Report To
Contact: Jeff Brand
Company: Stantec
Address: 1165 Scheuring Rd
Address: DePere WI 54115
Phone: 920-592-8400
Fax: 920-592-8444
E-Mail: Jeff.brand@stantec.com

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-171301

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 37

Client: Caren Cleaners
Client Project #: 193702865
Project Name: Caren Cleaners
Project Location/State: Waupun, WI
Lab Project #:
Sampler: Jeff Brand
Lab PM:

Preservative: HCL
Parameter: VOC

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOC	Comments
1		mw1	10-3-19	1315	3	W	X	
2		mw2		1302	3	W	X	
3		mw3		1244	3	W	X	
4		mw4		1121	3	W	X	
5		mw5		1129	3	W	X	
6		mw6		1356	3	W	X	
7		mw7		1144	3	W	X	
8		mw8		1255	3	W	X	
9		mw10		1152	3	W	X	
10		Pz 1		1137	3	W	X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Stantec	10-4-19	12:00	[signature] TA-ORL		10/5/19	8430
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier:
Shipped: Fed-X
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:

TAL-4124-500 (1209)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To
Contact: Jeff Brand
Company: Stantec
Address: 1165 Scheuring Rd
Address: DePere, WI 54115
Phone: 920-592-8400
Fax: 920-592-8444
E-Mail: Jeff.brand@stantec.com

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-17301

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler:

Client	Client Project #	Preservative	HCL									
Care'n Cleaners	193702865											
Project Name: Care'n Cleaners		Parameter	VOC									
Project Location/State: Waupun, WI	Lab Project #											
Sampler: Jeff Brand	Lab PM											

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOC								Comments
11		Dup	10-3-19		3	W	X								

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

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Stantec	10-4-19	12:00	[signature]	TA-CHI	10/5/19	0930
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped Fed Ex
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:

500-171301 Waybill


ORIGIN ID:RRLA (262) 202-5955
JEFF BRAND
STANTEC
1165 SCHEURING ROAD

DE PERE, WI 54115
UNITED STATES US

SHIP DATE: 14SEP18
ACTWGT: 15.00 LB MAN
CAD: 525155/CAFE3211

TO

TESTAMERICA CHICAGO
2417 BOND STREET

UNIVERSITY PARK IL 60484-3101
(708) 534-5200 REF:
INV:
PO: DEPT:

RMA:

FedEx Express

FedEx
TRK# 0221 7125 4938 8173

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO JOTA

60484
IL-US
ORD

FID 3702576 040CT19 GRBA 568C3/2A3C/05A2

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 500-171301-1

Login Number: 171301
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	