

Groundwater Monitoring Report

Denow Landfill

Grafton, Wisconsin

WDNR Landfill License No. 01133

WDNR Facility No. 046048000

WDNR BRRTS No. 02-46-000735

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Prepared for:
Town of Grafton

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Project/File:
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Groundwater Monitoring Report

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1. Summary

Stantec Consulting Services Inc. (Stantec) prepared this Groundwater Monitoring Report (the "Report") on behalf of the Town of Grafton (the "Town") for the Denow Landfill (the "Landfill") located in the Town of Grafton, Ozaukee County, Wisconsin to document the project activities performed during the first half of 2024 and to summarize the groundwater sampling results conducted between the period from March 2024 through May 2024.

During the first half of 2024, Stantec continued the long-term groundwater monitoring program to provide data for the evaluation of monitored natural attenuation (MNA) in support of the final remedy for the Landfill. The Landfill groundwater monitoring program includes collection of water samples from select groundwater monitoring wells and from selected in-use residential private potable wells (PPWs) near the Landfill.

Three hydrostratigraphic units are included in the groundwater monitoring program for the Landfill, (1) a water table unit, (2) a deeper unconsolidated soil unit (i.e. wells screened approximately 5 to 10 feet [ft] above the bedrock surface), and (3) a shallow bedrock unit (i.e., wells screened approximately 5 to 60 ft into bedrock). Water level measurements indicate that the groundwater flow direction in each of the three hydrostratigraphic units is generally consistent with previous historical events. Shallow groundwater beneath the Landfill generally flows from topographically higher areas north of the Landfill towards the southwest and transitions to a southerly direction east and southeast of the Landfill. The flat hydraulic gradient (0.001 to 0.005 ft/ft) of the water table west, northwest, and southwest of the Landfill results in a localized groundwater flow direction to the east from MW-13S to the shallow monitoring wells adjacent to the Landfill. While water table elevations at MW-13S have consistently been slightly higher than the closest monitoring wells to the east and southeast (MW-1S, MW-10S, MW-12S), during September 2022, March 2024, and October 2024 groundwater monitoring events, there was a westerly component to groundwater flow towards a pond approximately 250 feet west of the Landfill. Installation of a staff gauge in the pond and higher-frequency water level monitoring may be warranted to further evaluate the local shallow groundwater flow in this area.

Groundwater in the deep unconsolidated sediments immediately above bedrock flows southeast toward Edgewood Drive. Groundwater within bedrock generally flows southeast from the Landfill toward Edgewood Drive. As with shallow groundwater, the horizontal hydraulic gradient in the deep unconsolidated unit and bedrock immediately west and southwest of the Landfill is relatively flat typically being less than 0.003 ft/ft.

Based on the monitoring data, natural attenuation continues to decrease chlorinated volatile organic compound (CVOC) concentrations in groundwater and maintain overall stable plume conditions. A graphical contaminant trend analysis was performed indicating that the CVOC concentrations and overall contaminant plume are stable or decreasing except for one well (MW-3B2). Daughter products cis 1,2-dichloroethene (DCE) and vinyl chloride at monitoring well MW-3B2 located immediately/downgradient adjacent to the Landfill and screened in the deep bedrock, showed a generally increasing trend from



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approximately 2013 through 2022. However, after September 2022, they decreased in each of the last three sampling events (March 2023, March 2024, and October 2024). The increased concentrations of daughter products cis 1,2-dichloroethene (cis 1,2-DCE) and vinyl chloride at MW-3B2 is likely attributed to the active natural biodegradation of CVOC parent compounds perchloroethylene (PCE) and trichloroethene (TCE) that remain in groundwater immediately adjacent to the Landfill.

PCE and TCE remain in groundwater immediately adjacent the Landfill at relatively low concentrations (i.e. less than 30 micrograms per liter [ug/l]) with no significant horizontal or vertical migration. In addition, PCE and TCE concentrations are not increasing in any source area monitoring wells and have not been detected downgradient in the monitoring wells or PPWs. The presence of cis 1,2-DCE and vinyl chloride in monitoring wells immediately downgradient provides evidence that active biodegradation of CVOCs is occurring. Vinyl chloride concentrations along the leading edge of the plume continue to remain stable indicating that the plume is not expanding.

Natural attenuation monitoring in accordance with the Wisconsin Department of Natural Resources (WDNR)-approved Remedial Design Report (RDR) continues to be an appropriate remedy for this site. Site hydrogeologic conditions have not changed and no additional contingency actions presented in the WDNR-approved RDR for the Landfill have been triggered.

Historically, infrequent sporadic low concentrations of vinyl chloride have been detected in PPWs located at 2246, 2252, and 2258 Edgewater Drive downgradient of the Landfill. Vinyl chloride was detected in the water samples at these locations during the October sampling event. The continued presence of vinyl chloride downgradient of the Landfill likely indicates continued biodegradation of parent PCE and/or TCE.

Vinyl chloride was also detected above the laboratory detection limit in the water sample at 1945 Tamarack Trail during the October 2024 sampling event; however, as discussed in more detail herein, that well was granted a variance by the WDNR for its location and depth. Water quality in that well should be addressed directly between the WDNR and the homeowner, as provided in the variance.

Stantec submitted a new Five-Year Landfill Monitoring Plan to the WDNR in December 2024 (Stantec, 2024); however, that plan remains under review. Therefore, Landfill monitoring activities and preparation of this Report continue to be performed in general accordance with the WDNR-approved revised RDR, WAC Chapter NR 724, and the WDNR-approved July 2017 Five-Year Landfill Monitoring Plan. The next sampling event will occur in the Spring of 2025, will be conducted in accordance with the July 2017 Five-Year Landfill Monitoring Plan unless the WDNR has approved the new plan at that time.

2 Introduction

Stantec Consulting Services Inc. (Stantec) prepared this Groundwater Monitoring Report (the Report) on behalf of the Town of Grafton (the Town) for the Denow Landfill (the Landfill) located in the Town of Grafton, Ozaukee County, Wisconsin. The Landfill monitoring activities and preparation of this Report continue to be performed in accordance with the WDNR-approved revised RDR (ENVIRON, 2012), Wisconsin Administrative Code (WAC) Chapter NR 724, and in general accordance with the WDNR-approved July 2017 Five-Year Landfill Monitoring Plan (Stantec, 2017). The submission of this Report may not be construed as an admission of liability or responsibility on behalf of either the Town of Grafton or Great American Financial Resources, Inc. (GAFRI).

2.1 Objectives

The purpose of this Report is to document groundwater monitoring activities completed in the second half of 2024 and evaluate site conditions in relation to historical data. More specifically, this Report describes the methods used to conduct groundwater and drinking water monitoring in October 2024, summarizes the magnitude and extent of the residual groundwater impacts at the site, and provides an assessment of MNA on behalf of the Town and GAFRI. Additional historical data is summarized in previous annual landfill monitoring reports.

2.2 Landfill Location and Description

The Landfill is located approximately 0.75-miles west of the Milwaukee River and 2.5-miles north-northwest of the Village of Grafton. The Landfill is in the southeast quarter of the northwest quarter of Section 1, Township 10 North, Range 21 East, Ozaukee County, Wisconsin (USGS, 1976). The approximate 1.5-acre Landfill currently is part of a an approximately 3.5-acre parcel (Parcel No. 050010800200) owned by the Town but was formerly part of an approximately 80-acre parcel that was last owned privately by James Denow (son of the historical operator of the Landfill, Charles Denow). The Landfill is bordered on the north and northeast by a construction and demolition waste disposal area owned and operated by James Denow. A site location map is presented as **Figure 1**. A map showing the groundwater monitoring well network and PPW locations is presented as **Figure 2**.

3 Methods

3.1 Monitoring Well Sampling Methods

Stantec collected groundwater samples from 21 monitoring wells and three reconstructed former residential water supply wells on October 1 and 2, 2024. The groundwater monitoring wells and reconstructed wells were purged and sampled in general accordance with the methods outlined in the WDNR- approved Groundwater Monitoring Plan (Stantec, 2017). An abbreviated discussion of the methods is provided below.

Stantec personnel measured water levels in all groundwater monitoring wells to evaluate groundwater flow direction and hydraulic gradients in each of the three hydrostratigraphic units. 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.

Prior to sampling, Stantec personnel purged each well using a new disposable polyethylene bailer. After well purging, Stantec collected groundwater samples from the monitoring wells by lowering a new polyethylene bailer into the water column within the well in a manner such that disturbance to the water column is reduced. The bailer was then raised to the surface and the water was discharged into laboratory-supplied sample containers. Field measurements for dissolved oxygen, oxidation-reduction potential (ORP), temperature, pH and specific conductance were recorded using a down hole YSI™ water quality sonde after well purging and groundwater samples were collected from select wells.

The selected groundwater samples were placed on ice and submitted to a Wisconsin-certified laboratory for analysis, following standard chain-of-custody procedures. The groundwater samples were analyzed for VOCs using EPA Method 8260B. For quality control purposes, one trip blank and one duplicate sample was analyzed for VOCs using EPA Method 8260B during the sampling event.

3.2 In-Use Residential Water Supply Well Sampling Methods

On October 1 through October 3, 2024, Stantec collected a water sample from six in-use PPWs located at: (1) 2246 Edgewater Drive, (2) 2252 Edgewater Drive, and (3), 2258 Edgewater Drive, (4) 2225 Green Bay Road, (5) 2217 Green Bay Road, (6) 2165 Green Bay Road. Before collecting a water sample from these PPWs, a spigot or tap where the sample was to be collected was run for at least five minutes to allow potentially stagnant water to be purged from the system. The samples were placed on ice and submitted to a Wisconsin-certified laboratory where they were analyzed for VOCs using EPA Method 8260B. Stantec collected an additional water sample on October 31, 2024 using this method from the in-use PPWs at the (1) 2246 Edgewater Drive, (2) 2252 Edgewater Drive, and (3) 2258

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Edgewater Drive locations. The results from the samples collected from these PPWs are discussed in further detail in Section 4.2.2.

Stantec also collected water samples on October 3 and 28, 2024 from a newly constructed PPW located at 1945 Tamarack Trail on the adjoining land west of the Landfill. Sampling of this well, which was constructed pursuant to a variance granted by the WDNR, is not included in the long-term groundwater monitoring plan.



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4 Results

The results of the Landfill monitoring program are summarized in the following subsections.

4.1 Groundwater Monitoring Results

4.1.1 Groundwater Elevation and Flow

Groundwater elevation measurements collected from the monitoring wells are summarized in **Table 1**. Three hydrostratigraphic units are the focus of the groundwater monitoring program for the Landfill, (1) a water table unit, (2) a deep unconsolidated soil unit (i.e. wells screened approximately 5 to 10 feet above the bedrock surface), and (3) a shallow bedrock unit (i.e., wells screened approximately 5 to 60 feet into the bedrock). The October 1, 2024, groundwater elevations and flow direction for the shallow water table wells are illustrated in **Figure 3**. The October 1, 2024 potentiometric surface elevations and flow direction for the monitoring wells screened in the deep unconsolidated soil and in bedrock are illustrated in **Figures 4 and 5**, respectively.

The groundwater level measurements indicate that the groundwater flow direction in each of the three hydrostratigraphic units is generally consistent with previous historical groundwater measurement events. Shallow groundwater at and near the Landfill generally flows from topographically higher areas north of the Landfill towards the southwest and transitions to a southerly direction east and southeast of the Landfill. The horizontal hydraulic gradient of the water table is flat to the west, northwest and southwest of the Landfill. Historical and more recent shallow groundwater elevation measurements indicate that the hydraulic gradient of the water table at the west side of the Landfill is flat with a localized groundwater flow direction typically to the east from MW-13S towards the shallow monitoring wells adjacent to the Landfill. The groundwater flow direction in the area of MW-13S has been to the east in seven of the last nine groundwater monitoring events. The horizontal hydraulic gradient of the water table typically ranged from 0.001 feet per foot (ft/ft) to 0.005 ft/ft.

Groundwater in the deep unconsolidated sediments immediately above bedrock flows southeast toward Edgewood Drive. Groundwater within bedrock generally flows southeast from the Landfill toward Edgewood Drive. As with shallow groundwater, the horizontal hydraulic gradient in the deep unconsolidated soil unit and bedrock immediately west and southwest of the Landfill is flat and typically less than 0.003 ft/ft.

Vertical hydraulic gradients were calculated for the nested monitoring wells at the site using the groundwater elevation measurements collected on October 1, 2024. The vertical gradients and corresponding flow directions are presented in the table below.

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Well Nest	Vertical Flow Direction	March 2024 Gradient (ft/ft)
MW-1S/MW-1D	slightly upward	0.00408
MW-1D/MW-1B	slightly downward	-0.00464
MW-2S/MW-2D	Upward	0.0533
MW-3S/MW-3D	slightly upward	0.00307
MW-3D/MW-3B1	Downward	-0.0410
MW-3B1/MW-3B2	slightly upward	0.00218
MW-4S/MW-4D	Downward	-0.0497
MW-5S/MW-5D	strongly downward	-0.247
MW-6S/MW-6D	Downward	-0.0935
MW-6D/MW-6B	Negligible	<0.0001
MW-7S/MW-7D	Downward	-0.07551
MW-8S/MW-8B	Negligible	<0.0001
MW-9S/MW-9B	slightly downward	-0.00153
MW-12S/MW-12B	downward	-0.0131
MW-13S/MW-13B	slightly upward	0.00107

4.1.2 Field Measurements Results

Field measurements for groundwater were collected for MW-3S, MW-3D, MW-3B1, MW-3B2, MW-6D, MW-6B, MW-8S, and MW-8B, and are summarized in **Table 2**. Field measurement values for pH, temperature, and conductivity are generally consistent except for expected seasonal variation of temperature. Oxidation reduction potential (ORP) and dissolved oxygen values continued to fluctuate with no notable seasonal variability. Dissolved oxygen concentrations generally decrease with depth below the water table with the lowest dissolved oxygen concentrations observed immediately downgradient (southeast) of the landfill (MW-3D, MW-3B1, MW-3B2) and in bedrock further downgradient (southeast) of the Landfill (MW-6B). ORP values were less consistent and did not correlate closely to dissolved oxygen or groundwater depth. Six of the eight wells had negative ORP values, ranging from -16.9 millivolts (mV) to -97.9 mV. All six of these wells also had low dissolved oxygen concentrations, with the highest at MW-8-B (1.90 mg/l). Values for pH were consistent between the eight wells, measuring between 7.1 and 7.6. Water temperature was generally higher than historical measurements, ranging between 10.8° C (MW-3D) to 16.3° C (MW-6D).



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4.2 VOC Analysis Results

4.2.1 Groundwater Monitoring Wells

The October 2024 groundwater monitoring results were generally consistent with previous sampling events and demonstrate that contaminant levels are stable or decreasing, and that natural attenuation is continuing to decrease CVOC concentrations and maintain overall stable plume conditions. The VOC analytical results from the October 2024 Landfill monitoring event are summarized on **Table 3**.

Laboratory analytical reports and associated chain-of-custody records are included in **Appendix A**.

Stable concentrations of TCE and/or PCE exceeding the WAC NR 140 ES continued to be detected in groundwater collected from the shallow water table and deep unconsolidated soil hydrostratigraphic units near the southern edge of the Landfill (MW-2S, MW-2D, and MW-8S) and west/northwest of the landfill (MW-12B and MW-13S). TCE or PCE concentrations exceeding the WAC NR 140 ES are not present in the remaining groundwater monitoring well network. The cis 1,2-DCE concentration in MW-3B2 (480 ug/l in duplicate sample) continued to exceed the WAC NR 140 ES. Cis 1,2-DCE concentrations in groundwater also exceeded the WAC NR 140 ES in MW-2D. Cis 1,2-DCE concentrations in groundwater did not exceed the WAC NR 140 ES in any other groundwater monitoring wells. Vinyl chloride concentrations in groundwater exceeding the WAC NR 140 ES continued to be present in groundwater in the deep unconsolidated unit and bedrock near the landfill (MW-2D, MW-3B1, MW-3B2, MW-8B, and MW-12B), northwest (up-gradient) of the landfill (MW-13B), south (downgradient) of the landfill (MW-9B), and southeast (downgradient) of the landfill (MW-6B, 2267 Edgewood Drive, and 2280 Edgewood Drive).

4.2.2 In-Use Residential Water Supply Wells

The historical in-use residential water supply well analytical results including the results from the October 2024 sampling events are summarized on **Table 4**. No VOCs were detected above laboratory detection limits in the water supply wells at 2225, 2217, and 2165 North Green Bay Road. Vinyl chloride was detected in the water samples at 2246 Edgewater Drive (0.38J ug/l), 2252 Edgewater Drive (0.32J ug/l), and 2258 Edgewater Drive (0.31J ug/l). Vinyl chloride with the laboratory “J” flag was also detected at these three locations in the re-sample event on October 31, 2024. The laboratory “J”-flagged this sample as an estimated concentration as it was greater than the laboratory method detection limit and less than the reporting limit.

Cis 1,2-DCE was detected in the water sample from the well at 1945 Tamarack Trail, with a concentration of 8.0 µg/L, exceeding the NR 140 WAC PAL but remaining below the NR 140 WAC ES. Vinyl chloride was also identified above the laboratory detection limit, with a reported concentration of 0.87J µg/L. Additionally, 2.5 µg/L of TCE was reported, exceeding the NR 140 WAC PAL but remaining below the NR 140 WAC ES. The laboratory analytical reports and associated chain-of-custody records are included in **Appendix A**. This well is within a “Special Well Casing Depth Area” designated by the WDNR (WDNR, 2013). The well was granted a variance by the WDNR from well construction regulations that require that drinking water wells be located at least 1200 feet from a landfill and be constructed with at least 150 feet of cement-grouted steel casing (WDNR, 2022). This well is

constructed within 675 feet of the landfill with a total depth of 100 feet. The WDNR variance states that the well must be closed if it “fails to consistently yield water meeting drinking water requirements for any regulated contaminant.” This well is not and will not be included in the groundwater monitoring program for any future sampling. The WDNR should address any concerns about this well directly with the property owner who obtained the variance.

4.3 VOC Concentration Analysis

4.3.1 CVOC Concentrations/Groundwater Elevations Versus Time Graphs

To evaluate concentration trends over time, historical concentrations of CVOCs (PCE, TCE, cis 1,2-DCE, trans 1,2-DCE, vinyl chloride) were plotted for key monitoring wells within the landfill source area and the area downgradient of the landfill that currently or historically contain(ed) CVOC concentrations above the WAC NR 140 ES. In addition, groundwater elevations recorded at each of the wells at the time of sampling were also plotted to evaluate if seasonal changes in groundwater elevation may be affecting CVOC concentrations. Historically, groundwater elevations in some of the monitoring wells have fluctuated by as much as five feet. As observed on the graphs, a correlation between groundwater elevation and CVOC concentration was not readily apparent in the monitoring wells, except in MW-3D where higher groundwater elevation generally results in higher vinyl chloride concentrations. The trend plots/graphs are provided in **Appendix B**.

4.3.2 CVOC Concentration Trends in Groundwater

The historical VOC concentrations in groundwater collected from the monitoring well network are summarized in **Table 5**. The trend graphs provided in **Appendix B** show overall stable to decreasing groundwater CVOC concentration trends at most of the monitoring locations.

Landfill Source Area

The groundwater monitoring results indicate the presence of residual PCE and TCE in groundwater near the Landfill. PCE and TCE concentrations have generally decreased or remained stable since groundwater monitoring began (as early as 1998 in some wells), suggesting that more recent releases of PCE or TCE from the Landfill have not occurred. Historical and current PCE and TCE concentrations have been significantly less than 1% of their respective pure-phase solubility and the absence of PCE and TCE at depth provides strong evidence that denser-than-water non-aqueous phase liquids are not present. In addition, during October 2024 the PCE and TCE concentrations are significantly lower than their respective historical maximums.

Concentrations of the PCE/TCE daughter products cis 1,2-DCE and vinyl chloride in deep monitoring wells adjacent to the Landfill (MW-3D, MW-8B, and MW-12B) are stable to decreasing. Groundwater samples collected from deep bedrock wells MW-3B1 and MW-3B2 continue to exhibit elevated cis 1,2-DCE and vinyl chloride concentrations indicating that sequential degradation of PCE and/or TCE in

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groundwater is progressing in the wells at the Landfill Source Area. While CVOC concentrations fluctuate in some monitoring wells, cis 1,2-DCE and vinyl chloride concentrations in samples collected from monitoring well MW-3B2 show generally increasing concentration trends from approximately 2014 through 2022. However, after peaking in September 2022, vinyl chloride and cis 1,2-DCE concentrations have decreased in each of the last three sampling events (March 2023, March 2024, and October 2024). Cis 1,2-DCE and vinyl chloride concentrations since 2014 in MW-3D, MW-3B1, and MW-3B2 are presented in the table below.

<u>Date</u>	MW-3D Concentrations (ug/l)		MW-3B1 Concentrations (ug/l)		MW-3B2 Concentrations (ug/l)	
	Cis 1,2-DCE	Vinyl chloride	Cis 1,2-DCE	Vinyl chloride	Cis 1,2-DCE	Vinyl chloride
09/25/14	29.5	0.57	970	380	230	161
09/22/15	20.1	<0.20	663	440	89	3.52
03/27/18	17	9.7	420	430	390	250
09/11/18	52	46	580	480	330	240
03/27/19	45	8	500	170	170	36
09/25/19	37	0.64	520	360	190	98
03/11/20	42	<0.20	640	390	69	49
09/24/20	69	8.2	630	380	210	160
03/23/21	48	4.4	450	340	190	160
09/23/21	32	<0.20	570	390	340	220
03/28/22	32	0.25	310	200	700	500
09/28/22	38	0.62	39	28	720	520
03/30/23	58	28	430	280	600	380
03/28/24	28	0.54	28	14	540	320
10/2/24	25	<0.20	18	11	480	310

Note: ## = highest concentration since 2014

= lowest concentration since 2014

Downgradient of Landfill

Groundwater monitoring wells MW-5D, MW-6D, MW-6B, 2280 Edgewood Drive, 2267 Edgewood Drive, and 2232 Edgewood Drive, provide critical data monitoring the extent of CVOCs in groundwater downgradient of the Landfill. Vinyl chloride is the only VOC that has been detected in these wells at concentrations exceeding the WAC NR 140 PAL or ES. Vinyl chloride concentrations are significantly lower in these wells than groundwater monitoring wells within the Landfill Source Area and have remained stable since at least 2014. Vinyl chloride concentrations exceeding the WAC NR 140 ES were detected in water samples collected at 2267 and 2280 Edgewood Drive during the October 2024 sampling event. Vinyl



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chloride concentrations decrease further downgradient (southeast) of the Landfill with vinyl chloride concentrations less than laboratory detection limits at the leading edge of the vinyl chloride plume (2232 Edgewood Drive monitoring well) during the October 2024 sampling event.

4.4 CVOC Biodegradation

The data supports the fact that reductive dechlorination of PCE and TCE is occurring, contaminants are naturally attenuating, and the overall contaminant plume is stable, recognizing some localized contaminant concentration fluctuations in the wells near the landfill. Contaminant and natural attenuation trends will continue to be evaluated as part of future monitoring events.

The shallow sand and gravel aquifer is generally aerobic in the immediate vicinity of the Landfill. These aerobic conditions transition to less aerobic and at some locations anaerobic conditions with depth. Consequently, the aerobic conditions in groundwater near the Landfill result in a relatively low rate of reductive dechlorination of parent compounds TCE and PCE. This is evidenced by the localized TCE and PCE impacts within the water table near the Landfill and the absence of vinyl chloride in the shallow water table wells. The less aerobic conditions in groundwater at depth allows reductive dechlorination of PCE and TCE, which in turn results in the presence of cis 1,2-DCE and vinyl chloride in groundwater downgradient of the Landfill. The presence of vinyl chloride in groundwater near the Landfill represents evidence of functional cell densities of Dehalococcoides (the only known microorganisms capable of further dechlorination of cis 1,2-DCE to vinyl chloride and ultimately to non-toxic ethene), which under anaerobic conditions downgradient of the Landfill should result in further reductive dechlorination of vinyl chloride to non-toxic ethene. The elevated ethene and methane concentrations reported during the September 2015 sampling event in MW-3B1 (adjacent-downgradient of landfill) provide direct evidence that vinyl chloride is being reduced to ethene which in turn is reduced to methane (Stantec, 2015). Since vinyl chloride concentrations in groundwater downgradient of the Landfill quickly decrease and are of relatively low concentration, the ethene concentrations resulting from vinyl chloride dechlorination were not detected.

Historical groundwater sample results from MW-6B and MW-6D (located directly down gradient of the MW-3 well nest) have not contained VOC concentrations greater than their respective WAC NR140 PAL, with the exception of vinyl chloride. This supports the conclusion that reductive dechlorination of PCE, TCE, and cis 1,2-DCE is occurring and inhibiting migration of these compounds downgradient of the Landfill. In MW-6B and MW-6D, vinyl chloride concentrations have remained generally stable and are significantly lower than vinyl chloride concentrations in wells closer to the Landfill which is further evidence that vinyl chloride is naturally attenuating.

4.5 Extent of Groundwater Contamination

The extent of CVOCs present in groundwater is different in the three hydrostratigraphic units identified at and near the Landfill. The approximate lateral extent of CVOCs in groundwater is illustrated on **Figure 2**. The geologic cross section A-A' extending from approximately 1,200 feet west-northwest of the Landfill to the Milwaukee River approximately 4,200 feet east-southeast of the Landfill presented in

Figure 6 illustrates the vertical and horizontal extent of the groundwater CVOC plume resulting from the Landfill. A discussion of each unit is provided below.

4.5.1 Water Table Hydrostratigraphic Unit

PCE and TCE concentrations in groundwater greater than their respective WAC NR 140 PAL and/or ES are present in water table wells in the immediate vicinity of the Landfill (MW-2S, MW-2D, MW-3S, MW-8S, MW-8B, MW-12B, MW-13S, and 13B) and southwest of the Landfill (downgradient) in MW-9B. The horizontal hydraulic gradient of the water table decreases considerably to the west, northwest and southwest of the Landfill and limits movement of the groundwater contaminant plume (**Figures 3 and 6**). Horizontal hydraulic gradients of the water table at the west side of the Landfill are low (0.001 to 0.005 ft/ft) with a localized groundwater flow direction typically towards the east from MW-13S to the shallow monitoring wells adjacent to the Landfill. While water table elevations at MW-13S have consistently been slightly higher than the closest monitoring wells to the east and southeast (MW-1S, MW-10S, MW-12S), during September 2022, March 2024, and October 2024 groundwater monitoring events, there is a westerly component to groundwater flow at the Landfill (see **Figure 3**). The occasional westerly shallow groundwater flow may have resulted in the TCE concentrations detected in MW-13S.

4.5.2 Deep Unconsolidated Soil Hydrostratigraphic Unit

The groundwater monitoring wells screened in the deep unconsolidated hydrostratigraphic unit effectively monitor CVOC-plume migration from the Landfill Source Area, horizontally to the southeast, and vertically to the shallow bedrock hydrostratigraphic unit. Monitoring wells MW-2D, MW-3D, and MW-6D are the only wells screened in the deep unconsolidated hydrostratigraphic unit that contain CVOCs exceeding a WAC NR 140 ES (**Figure 6**). Consistent southeast groundwater flow direction from the Landfill towards MW-6D combined with only vinyl chloride historically being detected in MW-6D (approximately 800 feet southeast of the Landfill) at concentrations slightly exceeding the WAC NR 140 ES, suggests that CVOCs in groundwater of the deep unconsolidated hydrostratigraphic unit are limited to the Landfill and immediately downgradient to the southeast.

Downgradient of the Landfill reductive dechlorination processes are degrading PCE and TCE into cis 1,2-DCE and vinyl chloride. The result is reduced or non-detectable PCE and TCE concentrations with cis 1,2-DCE and vinyl chloride present in deeper groundwater east and southeast of the Landfill.

4.5.3 Shallow Bedrock Hydrostratigraphic Unit

Based on horizontal and vertical hydraulic gradients measured at the groundwater monitoring wells screened in the shallow bedrock unit at the Landfill Source Area, advective contaminant transport through the bedrock fractures is likely the dominant mechanism for CVOC migration in this unit. Historical groundwater monitoring data suggests that further downgradient migration of CVOCs in this unit have been limited due to attenuation. TCE and PCE in groundwater from shallow bedrock wells MW-3B1, MW-3B2, and MW-8B have not been detected above the WAC NR 140 PAL, but elevated concentrations of PCE/TCE daughter products cis 1,2-DCE and vinyl chloride are consistently present. In MW-3B2, cis 1,2-



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DCE and vinyl chloride concentrations exceeding the WAC NR 140 ES extend greater than 60 feet vertically into bedrock. Although cis 1,2-DCE and vinyl chloride concentrations in MW-3B2 are higher than initial sample results in 2014, since peaking in September 2022, concentrations have been in decline and further downward migration of these CVOCs is not apparent.

By approximately 800 feet southeast of the Landfill, at MW-6B, vinyl chloride is the only CVOC detected at concentrations exceeding the WAC NR 140 PAL or ES as shown in **Figure 6**. At the leading edge of the groundwater plume (at 2232 Edgewood approximately 2,400 feet southeast of the Landfill), vinyl chloride continues to be the only CVOC detected. However, vinyl chloride has only been detected in the well at 2232 Edgewood on two occasions since 2011, with concentrations slightly above WAC NR 140 ES. The deeper bedrock characteristics (i.e. less fractures, lower vertical conductivity) along with the evidence that biodegradation processes are occurring at depth as discussed in Section 4.4, suggest that the downward vertical migration of CVOCs are likely being impeded at the site.

Vinyl chloride is the final CVOC created in the dechlorination process prior to degradation to ethene and can degrade aerobically or anaerobically. The continued presence of cis 1,2-DCE and vinyl chloride likely indicates continued biodegradation of parent PCE and/or TCE.

5 Conclusions

During the second half of 2024, Stantec continued the long-term groundwater monitoring program to provide data for the evaluation of MNA in support of the final remedy for the Landfill. The October 2024 groundwater monitoring results were generally consistent with previous sampling events and CVOC concentrations in groundwater have remained generally stable or are decreasing at most of the monitoring locations. While CVOC concentrations have shown some fluctuations in a few monitoring wells, daughter products cis 1,2-DCE and vinyl chloride at monitoring well MW-3B2 located immediately adjacent to and downgradient of the Landfill show a generally increasing concentration trend from approximately 2013 through 2022. However, after concentrations peaked in September 2022, they have decreased in each of the last three sampling events (March 2023, March 2024, and October 2024). The increased concentrations of daughter products cis 1,2-DCE and vinyl chloride at MW-3B2 is likely attributed to the active biodegradation of CVOC parent compounds PCE and TCE that remain in groundwater immediately adjacent to the Landfill at relatively low concentration with no significant horizontal or vertical migration in groundwater. PCE and TCE concentrations are not increasing in any source area monitoring wells and have not been detected downgradient in the monitoring wells or PPWs.

Historically, infrequent sporadic low concentrations of vinyl chloride have been detected in PPWs located at 2246, 2252, and 2258 Edgewater Drive downgradient of the Landfill. Vinyl chloride was detected in the water samples at all three of these locations during the October sampling event. The continued presence of vinyl chloride downgradient of the Landfill likely indicates continued biodegradation of parent PCE and/or TCE.

Vinyl chloride was also detected above the laboratory detection limit in the water sample at 1945 Tamarack Trail during the October 2024 sampling event; however, that well was granted a variance by the WDNR for its location and depth. Water quality in that well should be addressed directly between the WDNR and the homeowner, as provided in the variance.

Groundwater elevation monitoring conducted during this reporting period shows that the groundwater flow direction in each of the three hydrostratigraphic units is generally consistent with previous historical groundwater measurement events, indicating that the hydrogeologic site conditions at the site have not changed. The flat hydraulic gradient of the water table west, northwest, and southwest of the Landfill generally has a localized groundwater flow direction to the east from MW-13S to the shallow monitoring wells adjacent to the Landfill. While water table elevations at MW-13S have consistently been slightly higher than the closest monitoring wells to the east and southeast (MW-1S, MW-10S, MW-12S), during September 2022, March 2024, and October 2024 groundwater monitoring events there was a westerly component to groundwater flow at the Landfill but with continued low horizontal hydraulic gradients. Installation of a staff gauge in the pond approximately 250 feet west of the Landfill and higher-frequency water level monitoring may be warranted to further evaluate the localized shallow groundwater flow in this area.

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Conclusions

MNA continues to be a viable remedy for the Landfill. Although groundwater in the near vicinity of the Landfill has been shown to be somewhat aerobic which can result in a relatively low rate of reductive dechlorination of parent compounds TCE and PCE, less aerobic conditions exist in groundwater at deeper depths and farther downgradient of the Landfill. Elevated ethene concentrations reported during the September 2015 sampling event in MW-3B1 (adjacent-downgradient of landfill) provide direct evidence that vinyl chloride is being reduced to ethene. Recent and historical groundwater sample results from MW-6B and MW-6D located directly downgradient of the MW-3 well nest have not contained CVOC concentrations greater than their respective WAC NR140 PAL, except for vinyl chloride. This supports the conclusion that reductive dechlorination of PCE, TCE, and cis 1,2-DCE is occurring and limits migration of the CVOC plume downgradient. Concentrations of vinyl chloride have remained generally stable in the downgradient wells and are significantly lower than vinyl chloride concentrations in the wells closer to the Landfill, which is further evidence that reductive dichlorination processes are continuing to reduce vinyl chloride concentrations at the site and the contaminant plume is stable.

The Landfill monitoring event completed in October 2024 was conducted in accordance with the July 2017 Five-Year Landfill Monitoring Plan. The next sampling event will occur in the Spring of 2025 and unless the new plan is approved by the WDNR before the next sampling event, it will be conducted in accordance with the July 2017 Five-Year Landfill Monitoring Plan.

6 References

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Tables

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Project: 193704196

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-1S	806.65	808.83	11/30/98	27.45	22.43	20.25	786.40
			12/14/98	-	22.68	20.50	786.15
			01/22/99	-	22.63	20.45	786.20
			09/30/99	-	21.39	19.21	787.44
			03/07/00	-	22.51	20.33	786.32
			07/21/00	-	21.01	18.83	787.82
			12/26/00	-	21.67	19.49	787.16
			04/25/01	-	20.65	18.47	788.18
			07/29/02	-	21.09	18.91	787.74
			03/18/03	-	23.54	21.36	785.29
			09/19/03	-	24.23	22.05	784.60
			03/29/04	-	23.71	21.53	785.12
			09/21/04	-	21.53	19.35	787.30
			03/22/05	-	21.74	19.56	787.09
			09/26/05	-	23.38	21.20	785.45
			03/29/06	-	23.33	21.15	785.50
			09/26/06	-	22.80	20.62	786.03
			03/21/07	-	21.44	19.26	787.39
			09/19/07	-	20.75	18.57	788.08
			07/17/08	-	20.63	18.45	788.20
			12/02/08	-	21.57	19.39	787.26
			06/29/09	-	20.57	18.39	788.26
			06/30/10	-	20.80	18.62	788.03
			08/23/11	-	21.22	19.04	787.61
			11/22/11	-	21.71	19.53	787.12
			02/22/12	-	21.58	19.40	787.25
			05/21/12	-	20.77	18.59	788.06
			09/11/12	-	22.89	20.71	785.94
			03/20/13	-	22.07	19.89	786.76
			09/26/13	-	21.67	19.49	787.16
			03/25/14	-	22.60	20.42	786.23
			09/24/14	-	21.78	19.60	787.05
			03/26/15	-	22.91	20.73	785.92
			09/22/15	-	22.06	19.88	786.77
			03/21/16	-	20.67	18.49	788.16
			03/27/18	-	21.63	19.45	787.20
			09/11/18	-	20.52	18.34	788.31
			03/27/19	-	20.53	18.35	788.30
			09/24/19	-	22.71	20.53	786.12
			03/11/20	-	20.56	18.38	788.27
			09/23/20	-	20.85	18.67	787.98
			03/23/21	-	20.72	18.54	788.11
			09/22/21	-	21.82	19.64	787.01
			03/28/22	-	23.01	20.83	785.82
			09/28/22	-	21.80	19.62	787.03
			03/30/23	-	20.57	18.39	788.26
			03/28/24	-	20.54	18.36	788.29
			10/01/24	-	21.32	19.14	787.51
MW-1D	806.47	808.20	11/30/98	70.55	21.81	20.08	786.39
			12/14/98	-	21.92	20.19	786.28
			01/22/99	-	22.03	20.30	786.17
			09/30/99	-	20.76	19.03	787.44
			03/07/00	-	21.89	20.16	786.31
			07/21/00	-	20.39	18.66	787.81
			12/26/00	-	21.03	19.30	787.17
			04/25/01	-	20.01	18.28	788.19
			07/29/02	-	20.45	18.72	787.75

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-1D continued			03/18/03	-	22.93	21.20	785.27
			09/19/03	-	23.59	21.86	784.61
			03/29/04	-	23.08	21.35	785.12
			09/21/04	-	20.89	19.16	787.31
			03/22/05	-	21.13	19.40	787.07
			09/26/05	-	22.75	21.02	785.45
			03/29/06	-	22.72	20.99	785.48
			09/26/06	-	22.18	20.45	786.02
			03/21/07	-	20.83	19.10	787.37
			09/19/07	-	20.10	18.37	788.10
			07/17/08	-	20.02	18.29	788.18
			12/02/08	-	20.96	19.23	787.24
			06/29/09	-	20.16	18.43	788.04
			06/30/10	-	20.21	18.48	787.99
			08/23/11	-	20.68	18.95	787.52
			11/22/11	-	21.10	19.37	787.10
			02/22/12	-	20.96	19.23	787.24
			05/21/12	-	20.15	18.42	788.05
			09/11/12	-	22.28	20.55	785.92
			03/20/13	-	21.47	19.74	786.73
			09/26/13	-	21.06	19.33	787.14
			03/25/14	-	22.02	20.29	786.18
			09/24/14	-	21.20	19.47	787.00
			03/26/15	-	22.29	20.56	785.91
			09/22/15	-	21.84	20.11	786.36
			03/21/16	-	20.08	18.35	788.12
			03/27/18	-	21.06	19.33	787.14
			09/11/18	-	19.92	18.19	788.28
			03/27/19	-	19.93	18.20	788.27
			09/24/19	-	22.09	20.36	786.11
			03/11/20	-	19.98	18.25	788.22
			09/23/20	-	20.27	18.54	787.93
			03/23/21	-	20.11	18.38	788.09
			09/22/21	-	21.24	19.51	786.96
			03/28/22	-	22.56	20.83	785.64
			09/28/22	-	21.29	19.56	786.91
			03/30/23	-	19.70	17.97	788.50
			03/28/24	-	19.90	18.17	788.30
			10/01/24	-	20.71	18.98	787.49
MW-1B	805.68	808.31	07/29/02	96.55	20.71	18.08	787.60
			03/18/03	-	23.13	20.50	785.18
			09/19/03	-	23.81	21.18	784.50
			03/29/04	-	23.28	20.65	785.03
			09/21/04	-	21.14	18.51	787.17
			03/22/05	-	21.39	18.76	786.92
			09/26/05	-	23.04	20.41	785.27
			03/29/06	-	22.97	20.34	785.34
			09/26/06	-	22.45	19.82	785.86
			03/21/07	-	21.04	18.41	787.27
			09/19/07	-	20.33	17.70	787.98
			07/17/08	-	20.10	17.47	788.21
			12/02/08	-	21.15	18.52	787.16
			06/29/09	-	20.36	17.73	787.95
			06/30/10	-	20.44	17.81	787.87
			08/23/11	-	20.87	18.24	787.44
			11/22/11	-	21.25	18.62	787.06

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-1B continued			02/22/12	-	21.14	18.51	787.17
			05/21/12	-	20.37	17.74	787.94
			09/11/12	-	22.52	19.89	785.79
			03/20/13	-	21.64	19.01	786.67
			09/26/13	-	21.28	18.65	787.03
			03/25/14	-	22.17	19.54	786.14
			09/24/14	-	21.40	18.77	786.91
			03/26/15	-	22.45	19.82	785.86
			09/22/15	-	22.03	19.40	786.28
			03/21/16	-	20.23	17.60	788.08
			03/27/18	-	21.26	18.63	787.05
			09/11/18	-	20.08	17.45	788.23
			03/27/19	-	20.01	17.38	788.30
			09/24/19	-	22.26	19.63	786.05
			03/11/20	-	20.01	17.38	788.30
			09/23/20	-	20.41	17.78	787.90
			03/23/21	-	20.21	17.58	788.10
			09/22/21	-	21.40	18.77	786.91
			03/28/22	-	22.43	19.80	785.88
			09/28/22	-	21.37	18.74	786.94
			03/30/23	-	20.15	17.52	788.16
			03/28/24	-	20.10	17.47	788.21
			10/01/24	-	20.94	18.31	787.37
MW-2S	807.66	810.02	11/30/98	30.50	23.62	21.26	786.40
			12/14/98	-	23.73	21.37	786.29
			01/22/99	-	23.83	21.47	786.19
			09/30/99	-	22.58	20.22	787.44
			03/07/00	-	23.70	21.34	786.32
			07/21/00	-	22.20	19.84	787.82
			12/26/00	-	22.86	20.50	787.16
			04/25/01	-	21.90	19.54	788.12
			07/29/02	-	22.26	19.90	787.76
			03/18/03	-	24.73	22.37	785.29
			09/19/03	-	25.42	23.06	784.60
			03/29/04	-	24.89	22.53	785.13
			09/21/04	-	22.73	20.37	787.29
			03/22/05	-	22.95	20.59	787.07
			09/26/05	-	24.55	22.19	785.47
			03/29/06	-	24.53	22.17	785.49
			09/26/06	-	23.99	21.63	786.03
			03/21/07	-	22.52	20.16	787.50
			09/19/07	-	21.85	19.49	788.17
			07/17/08	-	21.85	19.49	788.17
			12/02/08	-	22.76	20.40	787.26
			06/29/09	-	21.99	19.63	788.03
			06/30/10	-	21.98	19.62	788.04
			08/23/11	-	22.43	20.07	787.59
			11/22/11	-	22.91	20.55	787.11
			02/22/12	-	22.78	20.42	787.24
			05/21/12	-	21.98	19.62	788.04
			09/11/12	-	24.09	21.73	785.93
			03/20/13	-	23.28	20.92	786.74
			09/26/13	-	22.88	20.52	787.14
			03/25/14	-	23.80	21.44	786.22
			09/24/14	-	22.99	20.63	787.03

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-2S continued			03/26/15	-	24.09	21.73	785.93
			09/22/15	-	23.52	21.16	786.50
			03/21/16	-	21.90	19.54	788.12
			03/27/18	-	22.85	20.49	787.17
			09/11/18	-	21.76	19.40	788.26
			03/27/19	-	21.77	19.41	788.25
			09/24/19	-	22.03	19.67	787.99
			03/11/20	-	21.82	19.46	788.20
			09/23/20	-	22.07	19.71	787.95
			03/23/21	-	21.90	19.54	788.12
			09/22/21	-	23.04	20.68	786.98
			03/28/22	-	24.20	21.84	785.82
			09/28/22	-	22.10	19.74	787.92
			03/30/23	-	21.75	19.39	788.27
			03/28/24	-	21.76	19.40	788.26
			10/01/24	-	22.56	20.20	787.46
MW-2D	807.41	809.80	12/30/98	47.95	-	-	-
			01/22/99	-	22.60	20.21	787.20
			09/30/99	-	21.37	18.98	788.43
			03/07/00	-	22.49	20.10	787.31
			07/21/00	-	20.99	18.60	788.81
			12/26/00	-	21.64	19.25	788.16
			04/25/01	-	20.67	18.28	789.13
			07/29/02	-	21.07	18.68	788.73
			03/18/03	-	23.51	21.12	786.29
			09/19/03	-	24.20	21.81	785.60
			03/29/04	-	23.67	21.28	786.13
			09/21/04	-	21.51	19.12	788.29
			03/22/05	-	21.73	19.34	788.07
			09/26/05	-	23.32	20.93	786.48
			03/29/06	-	23.30	20.91	786.50
			09/26/06	-	22.77	20.38	787.03
			03/21/07	-	21.42	19.03	788.38
			09/19/07	-	20.69	18.30	789.11
			07/17/08	-	20.63	18.24	789.17
			12/02/08	-	21.52	19.13	788.28
			06/29/09	-	20.78	18.39	789.02
			06/30/10	-	21.98	19.59	787.82
			08/23/11	-	21.19	18.80	788.61
			11/22/11	-	21.68	19.29	788.12
			02/22/12	-	21.54	19.15	788.26
			05/21/12	-	20.75	18.36	789.05
			09/11/12	-	22.87	20.48	786.93
			12/19/12	-	23.82	21.43	785.98
			03/21/13	-	22.05	19.66	787.75
			06/25/13	-	20.59	18.20	789.21
			09/26/13	-	21.64	19.25	788.16
			03/25/14	-	22.57	20.18	787.23
			09/24/14	-	21.78	19.39	788.02
			03/26/15	-	22.85	20.46	786.95
			09/22/15	-	22.40	20.01	787.40
			03/21/16	-	20.66	18.27	789.14
			03/27/18	-	21.64	19.25	788.16
			09/11/18	-	20.54	18.15	789.26
			03/27/19	-	20.53	18.14	789.27
			09/24/19	-	22.70	20.31	787.10

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-2D continued			03/11/20	-	20.84	18.45	788.96
			09/23/20	-	20.85	18.46	788.95
			03/23/21	-	20.76	18.37	789.04
			09/22/21	-	21.80	19.41	788.00
			03/28/22	-	22.93	20.54	786.87
			09/28/22	-	21.85	19.46	787.95
			03/30/23	-	20.75	18.36	789.05
			03/28/24	-	20.53	18.14	789.27
			10/01/24	-	21.32	18.93	788.48
MW-3S	793.66	796.04	11/30/98	16.25	9.67	7.29	786.37
			12/14/98	-	9.77	7.39	786.27
			01/22/99	-	9.92	7.54	786.12
			09/30/99	-	8.67	6.29	787.37
			03/07/00	-	9.89	7.51	786.15
			07/21/00	-	8.39	6.01	787.65
			12/26/00	-	9.03	6.65	787.01
			04/25/01	-	8.09	5.71	787.95
			07/29/02	-	8.48	6.10	787.56
			03/18/03	-	11.01	8.63	785.03
			09/19/03	-	11.67	9.29	784.37
			03/29/04	-	11.15	8.77	784.89
			09/21/04	-	9.00	6.62	787.04
			03/22/05	-	9.93	7.55	786.11
			09/26/05	-	10.93	8.55	785.11
			03/29/06	-	10.90	8.52	785.14
			09/26/06	-	10.37	7.99	785.67
			03/21/07	-	9.04	6.66	787.00
			09/19/07	-	8.35	5.97	787.69
			07/17/08	-	8.26	5.88	787.78
			12/02/08	-	9.15	6.77	786.89
			06/29/09	-	8.43	6.05	787.61
			06/30/10	-	8.42	6.04	787.62
			08/23/11	-	8.80	6.42	787.24
			11/22/11	-	9.30	6.92	786.74
			02/22/12	-	9.17	6.79	786.87
			05/21/12	-	8.36	5.98	787.68
			09/11/12	-	10.48	8.10	785.56
			03/20/13	-	9.71	7.33	786.33
			09/26/13	-	9.31	6.93	786.73
			03/25/14	-	10.23	7.85	785.81
			09/24/14	-	9.40	7.02	786.64
			03/26/15	-	10.59	8.21	785.45
			09/22/15	-	10.77	8.39	785.27
			03/21/16	-	8.35	5.97	787.69
			03/27/18	-	9.43	7.05	786.61
		796.02	09/11/18	-	8.29	5.91	787.73
			03/27/19	-	7.92	5.54	788.10
			09/24/19	-	10.13	7.75	785.89
			03/11/20	-	8.04	5.66	787.98
			09/23/20	-	8.27	5.89	787.75
			03/23/21	-	8.08	5.70	787.94
			09/22/21	-	9.32	6.94	786.70
			03/28/22	-	10.39	8.01	785.63
			09/28/22	-	6.31	3.93	789.71

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
			03/30/23	-	8.10	5.72	787.92
			03/28/24	-	7.95	5.57	788.07
			10/01/24	-	8.88	6.50	787.14
MW-3D	793.67	795.82	12/30/98	68.20	-	-	-
			01/22/99	-	9.72	7.57	786.10
			09/30/99	-	8.47	6.32	787.35
			03/07/00	-	9.60	7.45	786.22
			07/21/00	-	8.10	5.95	787.72
			12/26/00	-	8.74	6.59	787.08
			04/25/01	-	7.78	5.63	788.04
			07/29/02	-	8.16	6.01	787.66
			03/18/03	-	10.63	8.48	785.19
			09/19/03	-	11.35	9.20	784.47
			03/29/04	-	10.75	8.60	785.07
			09/21/04	-	8.60	6.45	787.22
			03/22/05	-	8.84	6.69	786.98
			09/26/05	-	10.43	8.28	785.39
			03/29/06	-	10.40	8.25	785.42
			09/26/06	-	9.88	7.73	785.94
			03/21/07	-	8.53	6.38	787.29
			09/19/07	-	7.83	5.68	787.99
			07/17/08	-	7.74	5.59	788.08
			12/02/08	-	8.61	6.46	787.21
			06/29/09	-	7.87	5.72	787.95
			06/30/10	-	7.88	5.73	787.94
			08/23/11	-	8.31	6.16	787.51
			11/22/11	-	8.80	6.65	787.02
			02/22/12	-	8.65	6.50	787.17
			05/21/12	-	7.84	5.69	787.98
			09/11/12	-	9.98	7.83	785.84
			12/19/12	-	10.93	8.78	784.89
			03/21/13	-	9.15	7.00	786.67
			06/25/13	-	7.68	5.53	788.14
			09/26/13	-	8.74	6.59	787.08
			03/25/14	-	11.07	8.92	784.75
			09/24/14	-	8.84	6.69	786.98
			03/26/15	-	9.98	7.83	785.84
			09/22/15	-	9.78	7.63	786.04
			03/21/16	-	7.73	5.58	788.09
			03/27/18	-	8.70	6.55	787.12
			09/11/18	-	7.56	5.41	788.26
			03/27/19	-	7.61	5.46	788.21
			09/24/19	-	9.81	7.66	786.01
			03/11/20	-	8.69	6.54	787.13
			09/23/20	-	7.94	5.79	787.88
			03/23/21	-	7.77	5.62	788.05
			09/22/21	-	8.98	6.83	786.84
			03/28/22	-	10.17	8.02	785.65
			09/28/22	-	8.90	6.75	786.92
			03/30/23	-	7.81	5.66	788.01
			03/28/24	-	7.58	5.43	788.24
			10/01/24	-	8.52	6.37	787.30

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-3B1	794.16	796.50	07/17/08	93.50	8.85	6.51	787.65
			12/04/08	-	9.88	7.54	786.62
			06/29/09	-	9.16	6.82	787.34
			06/30/10	-	9.16	6.82	787.34
			08/23/11	-	9.54	7.20	786.96
			02/22/12	-	9.91	7.57	786.59
			05/21/12	-	9.22	6.88	787.28
			09/11/12	-	11.35	9.01	785.15
			12/19/12	-	12.35	10.01	784.15
			03/21/13	-	10.50	8.16	786.00
			06/25/13	-	9.08	6.74	787.42
			09/26/13	-	10.20	7.86	786.30
			03/25/14	-	11.33	8.99	785.17
			09/24/14	-	10.35	8.01	786.15
			03/26/15	-	11.37	9.03	785.13
			09/22/15	-	11.31	8.97	785.19
			03/21/16	-	9.26	6.92	787.24
			03/27/18	-	10.15	7.81	786.35
			09/11/18	-	8.97	6.63	787.53
			03/27/19	-	8.93	6.59	787.57
			09/24/19	-	9.28	6.94	787.22
			03/11/20	-	9.00	6.66	787.50
			09/23/20	-	9.38	7.04	787.12
			03/23/21	-	9.24	6.90	787.26
			09/22/21	-	10.45	8.11	786.05
			03/28/22	-	11.59	9.25	784.91
			09/28/22	-	10.61	8.27	785.89
			03/30/23	-	9.20	6.86	787.30
			03/28/24	-	9.31	6.97	787.19
			10/01/24	-	10.21	7.87	786.29
MW-3B2	793.30	796.33	07/17/08	129.05	9.20	6.17	787.13
			12/04/08	-	10.40	7.37	785.93
			06/29/09	-	9.45	6.42	786.88
			06/30/10	-	9.60	6.57	786.73
			08/23/11	-	10.01	6.98	786.32
			11/22/11	-	10.35	7.32	785.98
			02/22/12	-	10.24	7.21	786.09
			05/21/12	-	9.71	6.68	786.62
			09/11/12	-	11.78	8.75	784.55
			12/19/12	-	12.73	9.70	783.60
			03/21/13	-	10.81	7.78	785.52
			06/25/13	-	9.36	6.33	786.97
			09/26/13	-	10.56	7.53	785.77
			03/25/14	-	9.66	6.63	786.67
			09/24/14	-	10.66	7.63	785.67
			03/26/15	-	11.06	8.03	785.27
			09/22/15	-	11.19	8.16	785.14
			03/21/16	-	9.55	6.52	786.78
			03/27/18	-	10.37	7.34	785.96
			09/11/18	-	9.19	6.16	787.14
			03/27/19	-	9.11	6.08	787.22
			09/24/19	-	9.45	6.42	786.88
			03/11/20	-	9.14	6.11	787.19

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-3B2 continued			09/23/20	-	9.58	6.55	786.75
			03/23/21	-	9.40	6.37	786.93
			09/22/21	-	10.91	7.88	785.42
			03/28/22	-	11.42	8.39	784.91
			09/28/22	-	10.38	7.35	785.95
			03/30/23	-	10.52	7.49	785.81
			03/28/24	-	9.05	6.02	787.28
			10/01/24	-	9.96	6.93	786.37
MW-4S	800.48	802.89	11/30/98	16.50	14.87	12.46	788.02
			12/14/98	-	15.25	12.84	787.64
			01/22/99	-	10.17	7.76	792.72
			02/08/99	-	8.06	5.65	794.83
			09/30/99	-	13.20	10.79	789.69
			03/07/00	-	12.30	9.89	790.59
			07/21/00	-	11.38	8.97	791.51
			12/26/00	-	11.56	9.15	791.33
			04/25/01	-	6.33	3.92	796.56
			07/29/02	-	11.21	8.80	791.68
			03/18/03	-	15.65	13.24	787.24
			09/19/03	-	15.65	13.24	787.24
			03/29/04	-	8.85	6.44	794.04
			09/21/04	-	12.04	9.63	790.85
			03/22/05	-	10.43	8.02	792.46
			09/26/05	-	15.52	13.11	787.37
			03/29/06	-	10.21	7.80	792.68
			09/26/06	-	12.16	9.75	790.73
			03/21/07	-	6.74	4.33	796.15
			09/19/07	-	8.58	6.17	794.31
			07/17/08	-	8.61	6.20	794.28
			12/02/08	-	11.32	8.91	791.57
			06/29/09	-	10.41	8.00	792.48
			06/30/10	-	8.21	5.80	794.68
			08/23/11	-	9.83	7.42	793.06
			11/22/11	-	9.44	7.03	793.45
			02/22/12	-	10.15	7.74	792.74
			05/21/12	-	8.96	6.55	793.93
			09/11/12	-	14.10	11.69	788.79
			03/20/13	-	7.83	5.42	795.06
			09/26/13	-	12.52	10.11	790.37
			03/25/14	-	8.40	5.99	794.49
			09/24/14	-	12.55	10.14	790.34
			03/26/15	-	11.83	9.42	791.06
			09/22/15	-	10.05	7.64	792.84
			03/21/16	-	6.69	4.28	796.20
			03/27/18	-	10.37	7.96	792.52
			09/11/18	-	7.56	5.15	795.33
			03/27/19	-	6.21	3.80	796.68
			09/24/19	-	11.13	8.72	791.76
			03/11/20	-	6.44	4.03	796.45
			09/23/20	-	9.61	7.20	793.28
			03/23/21	-	8.02	5.61	794.87
			09/22/21	-	11.57	9.16	791.32
			03/28/22	-	15.43	13.02	787.46

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-4S continued			09/28/22	-	9.95	7.54	792.94
			03/30/23	-	6.70	4.29	796.19
			03/28/24	-	6.47	4.06	796.42
			10/01/24	-	12.81	10.40	790.08
MW-4D	800.36	802.60	11/30/98	68.80	16.23	13.99	786.37
			12/14/98	-	16.34	14.10	786.26
			01/22/99	-	16.42	14.18	786.18
			09/30/99	-	15.18	12.94	787.42
			03/07/00	-	16.30	14.06	786.30
			07/21/00	-	14.80	12.56	787.80
			12/26/00	-	15.45	13.21	787.15
			04/25/01	-	14.44	12.20	788.16
			07/29/02	-	14.87	12.63	787.73
			03/18/03	-	17.35	15.11	785.25
			09/19/03	-	17.99	15.75	784.61
			03/29/04	-	17.48	15.24	785.12
			09/21/04	-	15.31	13.07	787.29
			03/22/05	-	15.53	13.29	787.07
			09/26/05	-	17.14	14.90	785.46
			03/29/06	-	17.12	14.88	785.48
			09/26/06	-	16.58	14.34	786.02
			03/21/07	-	15.20	12.96	787.40
			09/19/07	-	14.48	12.24	788.12
			07/17/08	-	14.40	12.16	788.20
			12/02/08	-	15.32	13.08	787.28
			06/29/09	-	14.55	12.31	788.05
			06/30/10	-	14.58	12.34	788.02
			08/23/11	-	15.00	12.76	787.60
			11/22/11	-	15.49	13.25	787.11
			02/22/12	-	15.35	13.11	787.25
			05/21/12	-	14.54	12.30	788.06
			09/11/12	-	16.66	14.42	785.94
			03/21/13	-	15.84	13.60	786.76
			09/26/13	-	15.44	13.20	787.16
			03/25/14	-	16.39	14.15	786.21
			09/24/14	-	15.54	13.30	787.06
			03/26/15	-	16.68	14.44	785.92
			09/22/15	-	16.20	13.96	786.40
			03/21/16	-	14.42	12.18	788.18
			03/27/18	-	15.40	13.16	787.20
			09/11/18	-	14.30	12.06	788.30
			03/27/19	-	14.28	12.04	788.32
			09/24/19	-	14.56	12.32	788.04
			03/11/20	-	14.32	12.08	788.28
			09/23/20	-	14.63	12.39	787.97
			03/23/21	-	14.48	12.24	788.12
			09/22/21	-	15.59	13.35	787.01
			03/28/22	-	16.78	14.54	785.82
			09/28/22	-	15.61	13.37	786.99
			03/30/23	-	14.41	12.17	788.19
			03/28/24	-	14.29	12.05	788.31
			10/01/24	-	15.10	12.86	787.50

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-5S	798.54	800.55	11/30/98	15.40	5.96	3.95	794.59
			12/14/98	-	6.00	3.99	794.55
			01/22/99	-	5.89	3.88	794.66
			09/30/99	-	5.57	3.56	794.98
			03/07/00	-	6.25	4.24	794.30
			07/21/00	-	5.66	3.65	794.89
			12/26/00	-	6.89	4.88	793.66
			04/25/01	-	4.61	2.60	795.94
			07/29/02	-	6.50	4.49	794.05
			03/18/03	-	7.48	5.47	793.07
			09/19/03	-	8.28	6.27	792.27
			03/29/04	-	6.58	4.57	793.97
			09/21/04	-	6.21	4.20	794.34
			03/22/05	-	5.64	3.63	794.91
			09/26/05	-	7.52	5.51	793.03
			03/29/06	-	6.74	4.73	793.81
			09/26/06	-	6.95	4.94	793.60
			03/21/07	-	5.67	3.66	794.88
			09/19/07	-	5.55	3.54	795.00
			07/17/08	-	3.96	1.95	796.59
			12/02/08	-	5.81	3.80	794.74
			06/29/09	-	5.40	3.39	795.15
			06/30/10	-	5.53	3.52	795.02
			08/23/11	-	5.92	3.91	794.63
			11/22/11	-	6.16	4.15	794.39
			02/22/12	-	6.53	4.52	794.02
			05/21/12	-	5.71	3.70	794.84
			09/11/12	-	7.45	5.44	793.10
			03/20/13	-	5.91	3.90	794.64
			09/26/13	-	6.20	4.19	794.35
			03/25/14	-	6.53	4.52	794.02
			09/24/14	-	6.79	4.78	793.76
			03/26/15	-	7.13	5.12	793.42
			09/22/15	-	7.14	5.13	793.41
			03/21/16	-	5.37	3.36	795.18
			03/27/18	-	6.50	4.49	794.05
			09/11/18	-	4.95	2.94	795.60
			03/27/19	-	4.45	2.44	796.10
			09/24/19	-	7.67	5.66	792.88
			03/11/20	-	4.73	2.72	795.82
			09/23/20	-	5.74	3.73	794.81
			03/23/21	-	5.98	3.97	794.57
			09/22/21	-	7.11	5.10	793.44
			03/28/22	-	7.11	5.10	793.44
			09/28/22	-	6.72	4.71	793.83
			03/30/23	-	5.01	3.00	795.54
			03/28/24	-	4.96	2.95	795.59
			10/01/24	-	6.19	4.18	794.36
MW-5D	797.80	800.44	11/30/98	60.50	18.52	15.88	781.92
			12/14/98	-	18.60	15.96	781.84
			01/22/99	-	18.73	16.09	781.71
			09/30/99	-	17.68	15.04	782.76
			03/07/00	-	18.81	16.17	781.63
			07/21/00	-	16.86	14.22	783.58

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-5D continued			12/26/00	-	17.95	15.31	782.49
			04/25/01	-	15.14	12.50	785.30
			07/29/02	-	17.20	14.56	783.24
			03/18/03	-	20.03	17.39	780.41
			09/19/03	-	20.44	17.80	780.00
			03/29/04	-	19.51	16.87	780.93
			09/21/04	-	17.91	15.27	782.53
			03/22/05	-	17.34	14.70	783.10
			09/26/05	-	19.89	17.25	780.55
			03/29/06	-	19.08	16.44	781.36
			09/26/06	-	19.03	16.39	781.41
			03/21/07	-	15.10	12.46	785.34
			09/19/07	-	15.01	12.37	785.43
			07/17/08	-	14.77	12.13	785.67
			12/02/08	-	17.83	15.19	782.61
			06/29/09	-	16.15	13.51	784.29
			06/30/10	-	15.96	13.32	784.48
			08/23/11	-	17.00	14.36	783.44
			11/22/11	-	17.35	14.71	783.09
			02/22/12	-	17.21	14.57	783.23
			05/21/12	-	16.29	13.65	784.15
			09/11/12	-	19.32	16.68	781.12
			03/20/13	-	17.80	15.16	782.64
			09/26/13	-	17.94	15.30	782.50
			03/25/14	-	18.73	16.09	781.71
			09/24/14	-	18.20	15.56	782.24
			03/26/15	-	19.21	16.57	781.23
			09/22/15	-	18.74	16.10	781.70
			03/21/16	-	16.29	13.65	784.15
			03/27/18	-	17.88	15.24	782.56
			09/11/18	-	15.88	13.24	784.56
			03/27/19	-	15.43	12.79	785.01
			09/24/19	-	18.70	16.06	781.74
			03/11/20	-	15.84	13.20	784.60
			09/23/20	-	16.67	14.03	783.77
			03/23/21	-	16.68	14.04	783.76
			09/22/21	-	18.35	15.71	782.09
			03/28/22	-	19.40	16.76	781.04
			09/28/22	-	18.09	15.45	782.35
			03/30/23	-	15.74	13.10	784.70
			03/28/24	-	16.14	13.50	784.30
			10/01/24	-	17.77	15.13	782.67
MW-6S	796.89	799.46	11/30/98	17.60	11.19	8.62	788.27
			12/14/98	-	11.15	8.58	788.31
			01/22/99	-	11.11	8.54	788.35
			09/30/99	-	10.94	8.37	788.52
			03/07/00	-	10.88	8.31	788.58
			07/21/00	-	10.54	7.97	788.92
			12/26/00	-	10.71	8.14	788.75
			04/25/01	-	9.65	7.08	789.81
			07/29/02	-	10.81	8.24	788.65
			03/18/03	-	12.40	9.83	787.06
			09/19/03	-	13.05	10.48	786.41
			03/29/04	-	11.24	8.67	788.22
			09/21/04	-	11.32	8.75	788.14

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-6S continued			03/22/05	-	10.46	7.89	789.00
			09/26/05	-	12.66	10.09	786.80
			03/29/06	-	11.18	8.61	788.28
			09/26/06	-	11.97	9.40	787.49
			03/21/07	-	10.49	7.92	788.97
			09/19/07	-	10.42	7.85	789.04
			07/17/08	-	8.89	6.32	790.57
			12/02/08	-	10.35	7.78	789.11
			06/29/09	-	10.03	7.46	789.43
			06/30/10	-	10.04	7.47	789.42
			08/23/11	-	10.58	8.01	788.88
			11/22/11	-	10.59	8.02	788.87
			02/22/12	-	10.55	7.98	788.91
			05/21/12	-	10.21	7.64	789.25
			09/11/12	-	12.45	9.88	787.01
			03/20/13	-	10.49	7.92	788.97
			09/26/13	-	11.15	8.58	788.31
			03/25/14	-	10.80	8.23	788.66
			09/24/14	-	11.48	8.91	787.98
			03/26/15	-	11.14	8.57	788.32
			09/22/15	-	11.35	8.78	788.11
			03/21/16	-	10.19	7.62	789.27
			03/27/18	-	10.37	7.80	789.09
			09/11/18	-	9.60	7.03	789.86
			03/27/19	-	9.22	6.65	790.24
			09/24/19	-	11.76	9.19	787.70
			03/11/20	-	11.32	8.75	788.14
			09/23/20	-	9.78	7.21	789.68
			03/23/21	-	9.99	7.42	789.47
			09/22/21	-	10.94	8.37	788.52
			03/28/22	-	10.90	8.33	788.56
			09/28/22	-	10.94	8.37	788.52
			03/30/23	-	9.70	7.13	789.76
			03/28/24	-	9.89	7.32	789.57
			10/01/24	-	10.47	7.90	788.99
MW-6D	796.87	799.38	11/30/98	98.15	20.10	17.59	779.28
			12/14/98	-	19.99	17.48	779.39
			01/22/99	-	19.94	17.43	779.44
			09/30/99	-	19.06	16.55	780.32
			03/07/00	-	19.30	16.79	780.08
			07/21/00	-	18.46	15.95	780.92
			12/26/00	-	18.67	16.16	780.71
			04/25/01	-	17.52	15.01	781.86
			07/29/02	-	18.50	15.99	780.88
			03/18/03	-	20.50	17.99	778.88
			09/19/03	-	21.02	18.51	778.36
			03/29/04	-	19.20	16.69	780.18
			09/21/04	-	18.90	16.39	780.48
			03/22/05	-	18.43	15.92	780.95
			09/26/05	-	20.71	18.20	778.67
			03/29/06	-	19.27	16.76	780.11
			09/26/06	-	19.91	17.40	779.47
			03/21/07	-	18.10	15.59	781.28
			09/19/07	-	17.86	15.35	781.52
			07/17/08	-	16.96	14.45	782.42

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-6D continued			12/02/08	-	18.40	15.89	780.98
			06/29/09	-	17.66	15.15	781.72
			06/30/10	-	17.62	15.11	781.76
			08/23/11	-	18.14	15.63	781.24
			11/22/11	-	18.16	15.65	781.22
			02/22/12	-	17.94	15.43	781.44
			05/21/12	-	17.18	14.67	782.20
			09/11/12	-	20.08	17.57	779.30
			12/19/12	-	20.24	17.73	779.14
			03/20/13	-	18.31	15.80	781.07
			06/25/13	-	17.14	14.63	782.24
			09/26/13	-	18.74	16.23	780.64
			03/25/14	-	18.76	16.25	780.62
			09/24/14	-	18.82	16.31	780.56
			03/26/15	-	18.97	16.46	780.41
			09/22/15	-	19.01	16.50	780.37
			03/21/16	-	17.44	14.93	781.94
			03/27/18	-	18.05	15.54	781.33
			09/11/18	-	17.22	14.71	782.16
			03/27/19	-	16.82	14.31	782.56
			09/24/19	-	19.36	16.85	780.02
			03/11/20	-	16.98	14.47	782.40
			09/23/20	-	17.43	14.92	781.95
			03/23/21	-	17.40	14.89	781.98
			09/22/21	-	18.41	15.90	780.97
			03/28/22	-	18.78	16.27	780.60
			09/28/22	-	18.03	15.52	781.35
			03/30/23	-	16.95	14.44	782.43
			03/28/24	-	17.17	14.66	782.21
			10/01/24	-	18.03	15.52	781.35
MW-6B	796.51	799.05	07/29/02	110.60	18.17	15.63	780.88
			03/18/03	-	20.15	17.61	778.90
			09/19/03	-	20.66	18.12	778.39
			03/29/04	-	18.85	16.31	780.20
			09/21/04	-	18.55	16.01	780.50
			03/22/05	-	18.09	15.55	780.96
			09/26/05	-	20.37	17.83	778.68
			03/29/06	-	18.92	16.38	780.13
			09/26/06	-	19.44	16.90	779.61
			03/21/07	-	17.68	15.14	781.37
			09/19/07	-	17.52	14.98	781.53
			07/17/08	-	16.61	14.07	782.44
			12/02/08	-	18.07	15.53	780.98
			06/29/09	-	17.34	14.80	781.71
			06/30/10	-	17.30	14.76	781.75
			08/23/11	-	17.81	15.27	781.24
			11/22/11	-	17.83	15.29	781.22
			02/21/12	-	17.61	15.07	781.44
			05/21/12	-	17.51	14.97	781.54
			09/11/12	-	19.75	17.21	779.30
			12/19/12	-	19.89	17.35	779.16
			03/20/13	-	17.98	15.44	781.07
			06/25/13	-	16.82	14.28	782.23
			09/26/13	-	18.40	15.86	780.65
			03/25/14	-	18.44	15.90	780.61

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-6B continued			09/24/14	-	18.47	15.93	780.58
			03/26/15	-	18.66	16.12	780.39
			09/22/15	-	18.69	16.15	780.36
			03/21/16	-	17.10	14.56	781.95
			03/27/18	-	17.73	15.19	781.32
			09/11/18	-	16.88	14.34	782.17
			03/27/19	-	16.50	13.96	782.55
			09/24/19	-	19.02	16.48	780.03
			03/11/20	-	16.65	14.11	782.40
			09/23/20	-	17.10	14.56	781.95
			03/23/21	-	17.03	14.49	782.02
			09/22/21	-	18.08	15.54	780.97
			03/28/22	-	18.47	15.93	780.58
			09/28/22	-	17.94	15.40	781.11
			03/30/23	-	16.79	14.25	782.26
			03/28/24	-	16.83	14.29	782.22
			10/01/24	-	17.70	15.16	781.35
MW-7S	799.21	801.67	11/30/98	24.25	19.50	17.04	782.17
			12/14/98	-	19.49	17.03	782.18
			01/22/99	-	19.53	17.07	782.14
			09/30/99	-	19.12	16.66	782.55
			03/07/00	-	19.13	16.67	782.54
			07/21/00	-	18.23	15.77	783.44
			12/26/00	-	18.89	16.43	782.78
			04/25/01	-	16.73	14.27	784.94
			07/29/02	-	18.65	16.19	783.02
			03/18/03	-	20.20	17.74	781.47
			09/19/03	-	20.40	17.94	781.27
			03/29/04	-	18.81	16.35	782.86
			09/21/04	-	18.89	16.43	782.78
			03/22/05	-	18.52	16.06	783.15
			09/26/05	-	20.64	18.18	781.03
			03/29/06	-	18.89	16.43	782.78
			09/26/06	-	19.74	17.28	781.93
			03/21/07	-	17.84	15.38	783.83
			09/19/07	-	18.11	15.65	783.56
			07/17/08	-	17.03	14.57	784.64
			12/02/08	-	18.98	16.52	782.69
			06/29/09	-	18.13	15.67	783.54
			06/30/10	-	18.00	15.54	783.67
			08/23/11	-	18.85	16.39	782.82
			11/22/11	-	18.95	16.49	782.72
			02/22/12	-	18.65	16.19	783.02
			05/21/12	-	17.84	15.38	783.83
			09/11/12	-	20.30	17.84	781.37
			03/20/13	-	18.27	15.81	783.40
			09/26/13	-	19.18	16.72	782.49
			03/25/14	-	18.97	16.51	782.70
			09/24/14	-	19.25	16.79	782.42
			03/26/15	-	19.17	16.71	782.50
			09/22/15	-	19.51	17.05	782.16
			03/21/16	-	18.03	15.57	783.64
			03/27/18	-	18.86	16.40	782.81
			09/11/18	-	17.07	14.61	784.60
			03/27/19	-	16.85	14.39	784.82

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-7S continued			09/24/19	-	20.55	18.09	781.12
			03/11/20	-	17.85	15.39	783.82
			09/23/20	-	18.60	16.14	783.07
			03/23/21	-	18.05	15.59	783.62
			09/22/21	-	19.44	16.98	782.23
			03/28/22	-	19.48	17.02	782.19
			09/28/22	-	19.20	16.74	782.47
			03/30/23	-	17.12	14.66	784.55
			03/28/24	-	17.77	15.31	783.90
			10/01/24	-	19.08	16.62	782.59
MW-7D	799.15	801.39	11/30/98	82.55	25.08	22.84	776.31
			12/14/98	-	24.99	22.75	776.40
			01/22/99	-	24.97	22.73	776.42
			09/30/99	-	23.99	21.75	777.40
			03/07/00	-	24.34	22.10	777.05
			07/21/00	-	23.29	21.05	778.10
			12/26/00	-	23.66	21.42	777.73
			04/25/01	-	22.35	20.11	779.04
			07/29/02	-	23.42	21.18	777.97
			03/18/03	-	25.59	23.35	775.80
			09/19/03	-	25.94	23.70	775.45
			03/29/04	-	24.40	22.16	776.99
			09/21/04	-	23.92	21.68	777.47
			03/22/05	-	23.60	21.36	777.79
			09/26/05	-	25.81	23.57	775.58
			03/29/06	-	24.41	22.17	776.98
			09/26/06	-	24.95	22.71	776.44
			03/21/07	-	23.29	21.05	778.10
			09/19/07	-	23.04	20.80	778.35
			07/17/08	-	21.71	19.47	779.68
			12/02/08	-	23.48	21.24	777.91
			06/29/09	-	22.60	20.36	778.79
			06/30/10	-	22.56	20.32	778.83
			08/23/11	-	23.27	21.03	778.12
			11/22/11	-	23.35	21.11	778.04
			02/22/12	-	23.06	20.82	778.33
			05/21/12	-	22.56	20.32	778.83
			09/11/12	-	25.13	22.89	776.26
			03/20/13	-	23.57	21.33	777.82
			09/26/13	-	23.85	21.61	777.54
			03/25/14	-	24.01	21.77	777.38
			09/24/14	-	23.96	21.72	777.43
			03/26/15	-	24.16	21.92	777.23
			09/22/15	-	24.20	21.96	777.19
			03/21/16	-	22.75	20.51	778.64
			03/27/18	-	23.39	21.15	778.00
			09/11/18	-	22.57	20.33	778.82
			03/27/19	-	21.91	19.67	779.48
			09/24/19	-	24.56	22.32	776.83
			03/11/20	-	24.01	21.77	777.38
			09/23/20	-	22.57	20.33	778.82
			03/23/21	-	22.66	20.42	778.73
			09/22/21	-	23.66	21.42	777.73
			03/28/22	-	24.15	21.91	777.24

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-7D continued			09/28/22	-	23.57	21.33	777.82
			03/30/23	-	22.21	19.97	779.18
			03/28/24	-	22.49	20.25	778.90
			10/01/24	-	23.23	20.99	778.16
MW-8S	805.25	807.67	07/29/02	32.55	19.00	16.58	788.67
			03/18/03	-	21.38	18.96	786.29
			09/19/03	-	22.06	19.64	785.61
			03/29/04	-	21.54	19.12	786.13
			09/21/04	-	19.38	16.96	788.29
			03/22/05	-	19.61	17.19	788.06
			09/26/05	-	21.20	18.78	786.47
			03/29/06	-	21.18	18.76	786.49
			09/26/06	-	20.64	18.22	787.03
			03/21/07	-	19.29	16.87	788.38
			09/19/07	-	18.58	16.16	789.09
			07/17/08	-	18.50	16.08	789.17
			12/02/08	-	19.39	16.97	788.28
			06/29/09	-	18.66	16.24	789.01
			06/30/10	-	18.63	16.21	789.04
			08/23/11	-	19.07	16.65	788.60
			11/22/11	-	19.56	17.14	788.11
			02/22/12	-	19.42	17.00	788.25
			05/21/12	-	18.61	16.19	789.06
			09/11/12	-	20.73	18.31	786.94
			03/21/13	-	19.91	17.49	787.76
			09/26/13	-	19.52	17.10	788.15
			03/25/14	-	20.44	18.02	787.23
			09/24/14	-	19.62	17.20	788.05
			03/26/15	-	19.43	17.01	788.24
			09/22/15	-	19.73	17.31	787.94
			03/21/16	-	18.53	16.11	789.14
			03/27/18	-	19.49	17.07	788.18
			09/11/18	-	18.39	15.97	789.28
			03/27/19	-	18.40	15.98	789.27
			09/24/19	-	18.64	16.22	789.03
			03/11/20	-	18.38	15.96	789.29
			09/23/20	-	18.71	16.29	788.96
			03/23/21	-	18.57	16.15	789.10
			09/22/21	-	19.66	17.24	788.01
			03/28/22	-	20.83	18.41	786.84
			09/28/22	-	19.68	17.26	787.99
			03/30/23	-	18.40	15.98	789.27
			03/28/24	-	18.40	15.98	789.27
MW-8B	805.70	808.03	07/29/02	76.30	19.36	17.03	788.67
			03/18/03	-	21.76	19.43	786.27
			09/19/03	-	22.44	20.11	785.59
			03/29/04	-	21.92	19.59	786.11
			09/21/04	-	19.75	17.42	788.28
			03/22/05	-	19.98	17.65	788.05
			09/26/05	-	21.58	19.25	786.45
			03/29/06	-	21.55	19.22	786.48
			09/26/06	-	21.02	18.69	787.01
			03/21/07	-	19.66	17.33	788.37

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-8B continued			09/19/07	-	18.95	16.62	789.08
			07/17/08	-	18.87	16.54	789.16
			12/02/08	-	19.77	17.44	788.26
			06/29/09	-	19.03	16.70	789.00
			06/30/10	-	18.98	16.65	789.05
			08/23/11	-	19.45	17.12	788.58
			11/22/11	-	19.92	17.59	788.11
			02/22/12	-	19.79	17.46	788.24
			05/21/12	-	18.98	16.65	789.05
			09/11/12	-	21.11	18.78	786.92
			03/20/13	-	20.28	17.95	787.75
			09/26/13	-	19.89	17.56	788.14
			03/25/14	-	20.81	18.48	787.22
			09/24/14	-	19.99	17.66	788.04
			03/26/15	-	21.09	18.76	786.94
			09/22/15	-	20.61	18.28	787.42
			03/21/16	-	18.90	16.57	789.13
			03/27/18	-	19.84	17.51	788.19
			09/11/18	-	19.76	17.43	788.27
			03/27/19	-	18.74	16.41	789.29
			09/24/19	-	20.89	18.56	787.14
			03/11/20	-	18.77	16.44	789.26
			09/23/20	-	19.07	16.74	788.96
			03/23/21	-	18.89	16.56	789.14
			09/22/21	-	20.03	17.70	788.00
			02/28/22	-	21.19	18.86	786.84
			09/28/22	-	20.01	17.68	788.02
			03/30/23	-	18.81	16.48	789.22
			03/28/24	-	18.74	16.41	789.29
MW-9S	791.61	794.05	07/17/08	13.0	5.98	3.54	788.07
			12/04/08	-	6.80	4.36	787.25
			06/29/09	-	6.62	4.18	787.43
			06/30/10	-	6.39	3.95	787.66
			08/23/11	-	6.97	4.53	787.08
			11/22/11	-	6.58	4.14	787.47
			02/22/12	-	6.40	3.96	787.65
			05/21/12	-	6.45	4.01	787.60
			09/11/12	-	9.22	6.78	784.83
			03/20/13	-	6.50	4.06	787.55
			09/26/13	-	7.84	5.40	786.21
			03/25/14	-	6.65	4.21	787.40
			09/24/14	-	7.98	5.54	786.07
			03/26/15	-	7.17	4.73	786.88
			09/22/15	-	7.42	4.98	786.63
			03/21/16	-	5.89	3.45	788.16
			03/27/18	-	6.41	3.97	787.64
			09/11/18	-	5.76	3.32	788.29
			03/27/19	-	5.56	3.12	788.49
			09/24/19	-	8.00	5.56	786.05
			03/11/20	-	4.96	2.52	789.09
			09/23/20	-	6.38	3.94	787.67
			03/23/21	-	5.91	3.47	788.14
			09/22/21	-	7.32	4.88	786.73
			03/28/22	-	6.66	4.22	787.39

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-9S continued			09/28/22	-	7.01	4.57	787.04
			03/30/23	-	5.41	2.97	788.64
			03/28/24	-	5.54	3.10	788.51
			10/01/24	-	7.02	4.58	787.03
MW-9B	791.41	793.72	07/17/08	97.0	6.60	4.29	787.12
			12/04/08	-	6.92	4.61	786.80
			06/29/09	-	6.17	3.86	787.55
			06/30/10	-	6.18	3.87	787.54
			08/23/11	-	6.58	4.27	787.14
			11/22/11	-	7.05	4.74	786.67
			02/22/12	-	6.91	4.60	786.81
			05/21/12	-	6.14	3.83	787.58
			09/11/12	-	8.25	5.94	785.47
			12/19/12	-	9.15	6.84	784.57
			03/21/13	-	7.42	5.11	786.30
			06/25/13	-	5.97	3.66	787.75
			09/26/13	-	7.04	4.73	786.68
			03/25/14	-	7.94	5.63	785.78
			09/24/14	-	7.15	4.84	786.57
			03/26/15	-	8.22	5.91	785.50
			09/22/15	-	7.77	5.46	785.95
			03/21/16	-	6.07	3.76	787.65
			03/27/18	-	7.00	4.69	786.72
			09/11/18	-	5.94	3.63	787.78
			03/27/19	-	5.92	3.61	787.80
			09/24/19	-	8.03	5.72	785.69
			03/11/20	-	6.02	3.71	787.70
			09/23/20	-	6.21	3.90	787.51
			03/23/21	-	6.05	3.74	787.67
			09/22/21	-	7.26	4.95	786.46
			03/28/22	-	8.42	6.11	785.30
			09/28/22	-	7.24	4.93	786.48
			03/30/23	-	5.92	3.61	787.80
			03/28/24	-	5.97	3.66	787.75
			10/01/24	-	6.82	4.51	786.90
MW-10S	804.02	806.33	07/17/08	21.0	18.35	16.04	787.98
			12/04/08	-	19.25	16.94	787.08
			06/29/09	-	18.50	16.19	787.83
			06/30/10	-	18.52	16.21	787.81
			08/23/11	-	18.93	16.62	787.40
			11/22/11	-	19.39	17.08	786.94
			02/22/12	-	19.26	16.95	787.07
			05/21/12	-	18.45	16.14	787.88
			09/11/12	-	20.59	18.28	785.74
			12/19/12	-	23.20	20.89	783.13
			03/21/13	-	19.75	17.44	786.58
			06/25/13	-	18.29	15.98	788.04
			09/26/13	-	19.34	17.03	786.99
			03/25/14	-	20.29	17.98	786.04
			09/24/14	-	19.35	17.04	786.98
			03/26/15	-	20.58	18.27	785.75
			09/22/15	-	20.10	17.79	786.23
			03/21/16	-	18.35	16.04	787.98

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-10S continued			03/27/18	-	19.31	17.00	787.02
			09/11/18	-	18.24	15.93	788.09
			03/27/19	-	18.23	15.92	788.10
			09/24/19	-	20.39	18.08	785.94
			03/11/20	-	18.23	15.92	788.10
			09/23/20	-	19.54	17.23	786.79
			03/23/21	-	18.35	16.04	787.98
			09/22/21	-	19.50	17.19	786.83
			03/28/22	-	>19.58	>17.27	<786.75
			09/28/22	-	>19.58	>17.27	<786.75
			03/30/23	-	18.31	16.00	788.02
			03/28/24	-	18.24	15.93	788.09
			10/01/24	-	>19.58	>17.27	<786.75
MW-11S	818.15	821.03	07/17/08	36.0	33.19	30.31	787.84
			12/04/08	-	34.20	31.32	786.83
			06/29/09	-	33.37	30.49	787.66
			06/30/10	-	33.39	30.51	787.64
			08/23/11	-	33.83	30.95	787.20
			11/22/11	-	34.33	31.45	786.70
			02/22/12	-	34.19	31.31	786.84
			05/21/12	-	33.37	30.49	787.66
			09/11/12	-	35.51	32.63	785.52
			03/20/13	-	34.69	31.81	786.34
			09/26/13	-	34.30	31.42	786.73
			03/25/14	-	35.23	32.35	785.80
			09/24/14	-	34.40	31.52	786.63
			03/26/15	-	35.53	32.65	785.50
			09/22/15	-	35.03	32.15	786.00
			03/21/16	-	33.29	30.41	787.74
			03/27/18	-	34.26	31.38	786.77
			09/11/18	-	33.09	30.21	787.94
			03/27/19	-	33.13	30.25	787.90
			09/24/19	-	35.32	32.44	785.71
			03/11/20	-	33.06	30.18	787.97
			09/23/20	-	33.46	30.58	787.57
			03/23/21	-	33.34	30.46	787.69
			09/22/21	-	34.45	31.57	786.58
			03/28/22	-	35.62	32.74	785.41
			09/28/22	-	34.50	31.62	786.53
			03/30/23	-	33.16	30.28	787.87
			03/28/24	-	33.12	30.24	787.91
			10/01/24	-	33.96	31.08	787.07
MW-12S	815.97	818.74	06/29/09	37.55	30.58	27.81	788.16
			06/30/10	-	30.89	28.12	787.85
			08/23/11	-	31.05	28.28	787.69
			11/22/11	-	31.53	28.76	787.21
			02/22/12	-	31.41	28.64	787.33
			05/21/12	-	30.60	27.83	788.14
			09/11/12	-	32.71	29.94	786.03
			12/19/12	-	33.68	30.91	785.06
			03/21/13	-	31.92	29.15	786.82
			06/25/13	-	30.46	27.69	788.28
			09/26/13	-	31.51	28.74	787.23

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-12S continued			03/25/14	-	32.45	29.68	786.29
			09/24/14	-	31.60	28.83	787.14
			03/26/15	-	32.71	29.94	786.03
			09/22/15	-	32.23	29.46	786.51
			03/21/16	-	30.55	27.78	788.19
			03/27/18	-	31.48	28.71	787.26
			09/11/18	-	30.40	27.63	788.34
			03/27/19	-	30.41	27.64	788.33
			09/24/19	-	30.66	27.89	788.08
			03/11/20	-	30.47	27.70	788.27
			09/23/20	-	30.70	27.93	788.04
			03/23/21	-	30.51	27.74	788.23
			09/22/21	-	31.65	28.88	787.09
			03/28/22	-	32.86	30.09	785.88
			09/28/22	-	31.65	28.88	787.09
			03/30/23	-	30.40	27.63	788.34
			03/28/24	-	30.42	27.65	788.32
			10/01/24	-	31.21	28.44	787.53
MW-12B	815.50	818.49	06/29/09	79.35	30.49	27.50	788.00
			06/30/10	-	30.58	27.59	787.91
			08/23/11	-	31.33	28.34	787.16
			11/22/11	-	31.83	28.84	786.66
			02/22/12	-	31.71	28.72	786.78
			05/21/12	-	30.90	27.91	787.59
			09/11/12	-	33.00	30.01	785.49
			12/19/12	-	33.96	30.97	784.53
			03/21/13	-	32.19	29.20	786.30
			06/25/13	-	30.73	27.74	787.76
			09/26/13	-	31.76	28.77	786.73
			03/25/14	-	32.73	29.74	785.76
			09/24/14	-	31.88	28.89	786.61
			03/26/15	-	33.01	30.02	785.48
			09/22/15	-	32.52	29.53	785.97
			03/21/16	-	30.81	27.82	787.68
			03/27/18	-	31.75	28.76	786.74
			09/11/18	-	30.68	27.69	787.81
			03/27/19	-	30.68	27.69	787.81
			09/24/19	-	30.92	27.93	787.57
			03/11/20	-	30.76	27.77	787.73
			09/23/20	-	31.01	28.02	787.48
			03/23/21	-	30.88	27.89	787.61
			09/22/21	-	31.94	28.95	786.55
			03/28/22	-	31.00	28.01	787.49
			09/28/22	-	31.97	28.98	786.52
			03/30/23	-	30.72	27.73	787.77
			03/28/24	-	30.68	27.69	787.81
			10/01/24	-	31.52	28.53	786.97
MW-13S	793.11	795.26	08/23/11	14.85	7.42	5.27	787.84
			11/22/11	-	7.88	5.73	787.38
			02/22/12	-	7.76	5.61	787.50
			05/21/12	-	6.97	4.82	788.29
			09/11/12	-	9.07	6.92	786.19
			12/19/12	-	10.01	7.86	785.25

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
MW-13S continued			03/20/13	-	8.26	6.11	787.00
			06/25/13	-	6.86	4.71	788.40
			09/26/13	-	7.83	5.68	787.43
			09/24/14	-	7.95	5.80	787.31
			03/26/15	-	9.06	6.91	786.20
			09/22/15	-	8.58	6.43	786.68
			03/21/16	-	6.89	4.74	788.37
			03/27/18	-	7.79	5.64	787.47
			09/11/18	-	6.76	4.61	788.50
			03/27/19	-	6.78	4.63	788.48
			09/24/19	-	8.88	6.73	786.38
			03/11/20	-	8.68	6.53	786.58
			09/23/20	-	7.04	4.89	788.22
			03/23/21	-	6.88	4.73	788.38
			09/22/21	-	8.06	5.91	787.20
			03/28/22	-	9.26	7.11	786.00
			09/28/22	-	8.21	6.06	787.05
			03/30/23	-	7.05	4.90	788.21
			03/28/24	-	6.79	4.64	788.47
			10/01/24	-	7.59	5.44	787.67
MW-13B	793.20	795.88	08/23/11	70.30	7.98	5.30	787.90
			11/22/11	-	8.42	5.74	787.46
			02/22/12	-	8.31	5.63	787.57
			05/21/12	-	7.51	4.83	788.37
			09/11/12	-	9.61	6.93	786.27
			12/19/12	-	10.59	7.91	785.29
			03/20/13	-	8.80	6.12	787.08
			06/25/13	-	7.41	4.73	788.47
			09/26/13	-	8.42	5.74	787.46
			03/25/14	-	9.35	6.67	786.53
			09/24/14	-	8.50	5.82	787.38
			03/26/15	-	9.61	6.93	786.27
			09/22/15	-	9.15	6.47	786.73
			03/21/16	-	7.45	4.77	788.43
			03/27/18	-	8.36	5.68	787.52
			09/11/18	-	7.32	4.64	788.56
			03/27/19	-	7.32	4.64	788.56
			09/24/19	-	9.42	6.74	786.46
			03/11/20	-	7.35	4.67	788.53
			09/23/20	-	7.61	4.93	788.27
			03/23/21	-	7.39	4.71	788.49
			09/22/21	-	8.64	5.96	787.24
			03/28/22	-	9.81	7.13	786.07
			09/28/22	-	5.58	2.90	790.30
			03/30/23	-	7.54	4.86	788.34
			03/28/24	-	7.34	4.66	788.54
			10/01/24	-	8.15	5.47	787.73
2280 Edgewood Drive	821.74	822.43	08/22/02	161.60	61.57	60.88	760.86
			03/18/03	-	62.83	62.14	759.60
			09/19/03	-	63.25	62.56	759.18
			03/29/04	-	60.66	59.97	761.77
			09/21/04	-	60.95	60.26	761.48
			03/22/05	-	60.13	59.44	762.30
			09/26/05	-	63.28	62.59	759.15

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
2280 Edgewood Dr. continued			03/30/06	-	60.83	60.14	761.60
			09/27/06	-	61.93	61.24	760.50
			03/22/07	-	59.16	58.47	763.27
			09/19/07	-	59.72	59.03	762.71
			06/12/08	-	56.42	55.73	766.01
			12/03/08	-	60.50	59.81	761.93
			06/29/09	-	59.16	58.47	763.27
			06/30/10	-	58.88	58.19	763.55
			08/23/11	-	59.45	58.76	762.98
			02/22/12	-	59.21	58.52	763.22
			09/11/12	-	62.18	61.49	760.25
			03/20/13	-	59.94	59.25	762.49
			09/27/13	-	60.60	59.91	761.83
			03/25/14	-	60.65	59.96	761.78
			09/24/14	-	60.73	60.04	761.70
			03/26/15	-	61.02	60.33	761.41
			09/22/15	-	60.35	59.66	762.08
			03/27/18	-	60.20	59.51	762.23
			09/11/18	-	58.08	57.39	764.35
			03/27/19	-	57.57	56.88	764.86
			09/24/19	-	61.17	60.48	761.26
			03/11/20	-	59.88	59.19	762.55
			09/23/20	-	59.14	58.45	763.29
			03/23/21	-	59.29	58.60	763.14
			09/22/21	-	60.87	60.18	761.56
			03/28/22	-	61.02	60.33	761.41
			09/28/22	-	64.00	63.31	758.43
			04/05/23	-	57.45	56.76	764.98
			03/28/24	-	58.45	57.76	763.98
			10/01/24	-	60.32	59.63	762.11
2267 Edgewood Dr.	809.93	811.44	08/23/02	132.15	51.50	49.99	759.94
			03/18/03	-	53.35	51.84	758.09
			09/19/03	-	53.84	52.33	757.60
			03/29/04	-	51.06	49.55	760.38
			09/21/04	-	51.59	50.08	759.85
			03/22/05	-	51.27	49.76	760.17
			09/26/05	-	52.47	50.96	758.97
			03/30/06	-	49.89	48.38	761.55
			09/27/06	-	51.07	49.56	760.37
			03/22/07	-	48.14	46.63	763.30
			09/19/07	-	46.60	45.09	764.84
			12/03/08	-	49.72	48.21	761.72
			06/29/09	-	48.31	46.80	763.13
			06/30/10	-	48.00	46.49	763.44
			08/23/11	-	48.53	47.02	762.91
			02/22/12	-	48.31	46.80	763.13
			09/11/12	-	51.32	49.81	760.12
			03/20/13	-	48.94	47.43	762.50
			09/27/13	-	49.75	48.24	761.69
			03/25/14	-	49.69	48.18	761.75
			09/24/14	-	50.07	48.56	761.37
			03/26/15	-	50.16	48.65	761.28
			09/22/15	-	50.04	48.53	761.40
			03/27/18	-	49.23	47.72	762.21
			09/11/18	-	47.10	45.59	764.34

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
2267 Edgewood Drive continued			03/27/19	-	46.58	45.07	764.86
			09/24/19	-	50.31	48.80	761.13
			03/11/20	-	47.08	45.57	764.36
			09/23/20	-	48.31	46.80	763.13
			03/23/21	-	48.41	46.90	763.03
			09/22/21	-	50.04	48.53	761.40
			03/28/22	-	51.00	49.49	760.44
			09/28/22	-	49.55	48.04	761.89
			04/05/23	-	46.41	44.90	765.03
			03/28/24	-	47.48	45.97	763.96
			10/01/24	-	49.46	47.95	761.98
2232 Edgewood Dr.	792.75	794.26	08/23/02	104.65	30.77	29.26	763.49
			03/18/03	-	32.50	30.99	761.76
			09/19/03	-	32.93	31.42	761.33
			03/29/04	-	29.95	28.44	764.31
			09/21/04	-	31.07	29.56	763.19
			03/22/05	-	30.12	28.61	764.14
			09/26/05	-	33.18	31.67	761.08
			03/30/06	-	30.43	28.92	763.83
			09/27/06	-	22.03	20.52	772.23
			03/22/07	-	29.20	27.69	765.06
			09/19/07	-	29.69	28.18	764.57
			06/12/08	-	27.51	26.00	766.75
			12/03/08	-	30.62	29.11	763.64
			06/29/09	-	29.74	28.23	764.52
			06/30/10	-	29.44	27.93	764.82
			08/23/11	-	30.21	28.70	764.05
			02/22/12	-	29.91	28.40	764.35
			09/11/12	-	32.43	30.92	761.83
			03/20/13	-	29.83	28.32	764.43
			09/27/13	-	31.09	29.58	763.17
			03/25/14	-	30.58	29.07	763.68
			09/24/14	-	31.08	29.57	763.18
			03/26/15	-	31.26	29.75	763.00
			09/22/15	-	31.30	29.79	762.96
			09/11/18	-	27.74	26.23	766.52
			09/24/19	-	31.81	30.30	762.45
			03/11/20	-	29.07	27.56	765.19
			09/23/20	-	29.97	28.46	764.29
			03/23/21	-	29.70	28.19	764.56
			09/22/21	-	31.17	29.66	763.09
			03/28/22	-	31.09	29.58	763.17
			09/28/22	-	30.60	29.09	763.66
			04/05/23	-	30.98	29.47	763.28
			03/28/24	-	29.12	27.61	765.14
			10/01/24	-	30.78	29.27	763.48
2224 Edgewood Dr.	778.85	780.82	08/23/02	82.35	17.41	15.44	763.41
			03/18/03	-	18.80	16.83	762.02
			09/19/03	-	19.20	17.23	761.62
			03/29/04	-	16.11	14.14	764.71
			09/21/04	-	17.35	15.38	763.47
			03/22/05	-	16.45	14.48	764.37
			09/26/05	-	19.31	17.34	761.51

Table 1 Groundwater Elevations, Denow Landfill, Grafton, Wisconsin

Well	Ground Elevation (ft amsl)	Riser Elevation (ft amsl)	Date	Depth to Bottom (feet below riser)	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Groundwater Elevation (feet amsl)
2224 Edgewood Dr. continued			03/30/06	-	16.57	14.60	764.25
			09/27/06	-	18.14	16.17	762.68
			03/22/07	-	15.37	13.40	765.45
			09/19/07	-	15.88	13.91	764.94
			06/12/08	-	13.81	11.84	767.01
			12/03/08	-	16.85	14.88	763.97
			06/29/09	-	15.86	13.89	764.96
			06/30/10	-	15.57	13.60	765.25
			08/23/11	-	16.37	14.40	764.45
			09/11/12	-	18.51	16.54	762.31
			03/20/13	-	15.97	14.00	764.85
			09/27/13	-	17.12	15.15	763.70
			09/25/14	-	17.12	15.15	763.70
			03/26/15	-	17.02	15.05	763.80
			09/22/15	-	17.31	15.34	763.51
			09/11/18	-	14.76	12.79	766.06
			03/11/20	-	15.11	13.14	765.71
			09/23/20	-	15.94	13.97	764.88
			03/23/21	-	15.58	13.61	765.24
			03/28/22	-	16.99	15.02	763.83
			09/28/22	-	16.55	14.58	764.27
			04/05/23	-	14.40	12.43	766.42
			03/28/24	-	15.11	13.14	765.71
			10/01/24	-	16.75	14.78	764.07

Note: All elevations referenced to feet above mean sea level (feet amsl)

NA = not applicable

- = not measured

Table 2: Groundwater Field Measurements and Inorganic Laboratory Results, Denow Landfill, Grafton, Wisconsin

Well ID	Date	Field Measurement					Laboratory Analysis									
		Temperature	DO	Eh (ORP)	pH	Conductivity	Alkalinity	Chloride	Iron	Nitrate (as N)	Total Organic Compound (TOC)	Total Inorganic Compound (TIC)	Methane	Ethene	Ethane	Manganese
	(degrees C)	mg/l	mV	s.u.	(µS/cm)	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	µg/l	µg/l	µg/l	mg/l	
Wisconsin Department of Natural Resources Preventive Action Limit						NR	125	0.15	2	NR	NR	NR	NR	NR	0.025	
Wisconsin Department of Natural Resources Enforcement Standard						NR	250	0.3	10	NR	NR	NR	NR	NR	0.05	
MW-3B1	06/04/08	11.1	-	-	7.4	787	340	49	-	-	-	-	-	-	-	0.130
	12/04/08	6.9	-	-	7.9	733	290	42	-	-	-	-	-	-	-	0.130
	12/04/08	-	-	-	-	-	260	51	-	-	-	-	-	-	-	0.130
	06/29/09	8.9	-	-	6.7	887	300	58	-	-	-	-	-	-	-	0.140
	06/30/10	10.3	-	-	7.1	1080	310	66.7	-	-	-	-	-	-	-	0.279
	08/24/11	10.2	2.95	5	7.2	1000	340	65	0.83	0.025	4	24	48	28	<3.5	0.150
	11/22/11	8.9	1.76	25.2	6.6	1119	-	-	-	-	-	-	-	-	-	-
	02/22/12	9.5	5.55	20.6	6.7	1126	-	-	-	-	-	-	-	-	-	-
	05/21/12	12.0	3.17	70	7.2	700	-	-	-	-	-	-	-	-	-	-
	09/12/12	11.0	1.54	-44	7.4	700	360	68	0.48	<0.025	3.4	89	11	8.7 "J"	<3.5	0.110
	12/19/12	9.87	1.35	-28.6	7.4	1004	-	-	-	-	-	-	-	-	-	-
	03/21/13	9.1	5.41	1.5	7.6	1020	-	-	-	-	-	-	-	-	-	-
	06/25/13	12.1	1.50	-45.7	7.4	676	-	-	-	-	-	-	-	-	-	-
	09/26/13	11.2	-	-	7.4	1081	-	-	-	-	-	-	-	-	-	-
	09/25/14	10.6	-	-	7.6	1025	-	-	-	-	-	-	-	-	-	-
	09/22/15	11.7	1.41	-82.5	7.7	1214	360	61	<0.018	0.039 "J"	4	87	26.2	25.8	<3.5	0.093
	03/27/18	9.4	0.25	-58.8	7.5	631	-	-	-	-	-	-	-	-	-	-
	09/11/18	11.1	1.51	-26.3	7.9	578	-	-	-	-	-	-	-	-	-	-
	03/27/19	10.7	-	-	7.4	984	-	-	-	-	-	-	-	-	-	-
	09/25/19	12.6	1.66	-83.7	7.2	981	-	-	-	-	-	-	-	-	-	-
	03/11/20	10.3	3.84	-57.7	7.3	947	-	-	-	-	-	-	-	-	-	-
	09/23/20	10.9	4.87	-37.8	7.1	693	-	-	-	-	-	-	-	-	-	-
	03/23/21	9.8	5.62	54.3	7.5	1095	-	-	-	-	-	-	-	-	-	-
	09/22/21	10.3	-	-33.2	7.3	1085	-	-	-	-	-	-	-	-	-	-
	03/28/22	8.6	1.01	-2.8	7.0	929	-	-	-	-	-	-	-	-	-	-
	09/28/22	10.4	1.11	-79.9	7.6	1110	-	-	-	-	-	-	-	-	-	-
	03/30/23	9.4	3.54	-34.9	7.4	844	-	-	-	-	-	-	-	-	-	-
	03/28/24	9.8	0.67	-8.9	7.3	859	-	-	-	-	-	-	-	-	-	-
	10/02/24	15.5	0.50	-97.9	7.3	919	-	-	-	-	-	-	-	-	-	-
MW-3B2	06/04/08	10.5	-	-	7.5	601	310	19	-	-	-	-	-	-	-	0.11
	12/04/08	9.1	-	-	7.6	1076	440	48	-	-	-	-	-	-	-	0.037
	06/29/09	8.4	-	-	7.2	861	360	27	-	-	-	-	-	-	-	0.140
	06/30/10	10.3	-	-	6.9	1138	440	42.0	-	-	-	-	-	-	-	0.0685
	08/24/11	7.2	2.54	-12	10.8	1100	-	-	-	-	-	-	-	-	-	-
	11/22/11	9.2	2.04	13.8	6.6	957	-	-	-	-	-	-	-	-	-	-
	02/22/12	9.4	1.85	-11.3	6.6	1200	-	-	-	-	-	-	-	-	-	-
	05/21/12	11.2	1.70	-48	7.2	600	-	-	-	-	-	-	-	-	-	-
	09/12/12	10.9	1.75	-22	7.3	700	-	-	-	-	-	-	-	-	-	-
	12/19/12	9.11	1.79	-65.8	7.3	921	-	-	-	-	-	-	-	-	-	-
	03/21/13	9.7	1.10	-80.3	7.3	1120	-	-	-	-	-	-	-	-	-	-
	06/25/13	10.7	3.58	-90.3	7.4	456	-	-	-	-	-	-	-	-	-	-
	09/26/13	11.4	-	-	7.4	755	-	-	-	-	-	-	-	-	-	-
	09/25/14	10.2	-	-	7.8	712	-	-	-	-	-	-	-	-	-	-
	09/22/15	12.0	2.17	-13.4	7.9	814	-	-	-	-	-	-	-	-	-	-
	03/27/18	9.6	0.90	-64.0	7.7	504	-	-	-	-	-	-	-	-	-	-
	09/11/18	10.9	0.57	-73.8	7.9	578	-	-	-	-	-	-	-	-	-	-
	03/27/19	10.9	-	-	7.2	927	-	-	-	-	-	-	-	-	-	-
	09/25/19	11.8	0.79	-94.0	7.0	895	-	-	-	-	-	-	-	-	-	-
	03/11/20	9.3	5.12	-85.0	7.4	683	-	-	-	-	-	-	-	-	-	-
	09/23/20	11.6	3.53	-57.3	7.1	608	-	-	-	-	-	-	-	-	-	-
	03/23/21	9.4	4.56	42.5	7.4	978	-	-	-	-	-	-	-	-	-	-
	09/22/21	10.0	-	-	7.1	896	-	-	-	-	-	-	-	-	-	-
	03/28/22	8.9	0.78	-2.8	7.1	1105	-	-	-	-	-	-	-	-	-	-
	09/28/22	10.7	1.17	-36.6	7.4	1270	-	-	-	-	-	-	-	-	-	-
	03/30/23	9.5	3.70	12.0	7.3	1072	-	-	-	-	-	-	-	-	-	-
	03/28/24	10.2	1.59	82.4	7.3	1057	-	-	-	-	-	-	-	-	-	-
	10/02/24	13.6	1.42	-63.2	7.3	1134	-	-	-	-	-	-	-	-	-	-
	MW-4S	06/03/08	13.2	-	-	6.9	1097	770	39	-	-	-	-	-	-	-
08/23/11		13.1	3.07	62	6.9	900	-	-	-	-	-	-	-	-	-	-
09/11/12		15.7	4.42	86	7.2	800	-	-	-	-	-	-	-	-	-	-
09/26/13		13.9	-	-	6.8	1060	-	-	-	-	-	-	-	-	-	-
09/25/14		14.3	-	-	7.4	1048	-	-	-	-	-	-	-	-	-	-
09/22/15		14.3	1.93	20.3	7.4	1012	-	-	-	-	-	-	-	-	-	-
MW-4D	06/03/08	11.8	-	-	7.0	1155	670	49	-	-	-	-	-	-	-	0.059
	08/23/11	10.8	2.49	41	7.0	1100	-	-	-	-	-	-	-	-	-	-
	02/22/12	8.6	2.03	11.5	6.6	1248	-	-	-	-	-	-	-	-	-	-
	09/11/12	13.1	3.22	118	7.2	800	-	-	-	-	-	-	-	-	-	-
	03/21/13	10.0	2.73	20.8	7.2	1087	-	-	-	-	-	-	-	-	-	-
	09/26/13	10.7	-	-	7.1	1144	-	-	-	-	-	-	-	-	-	-
03/25/14	9.0	-	-	7.6	1104	-	-	-	-	-	-	-	-	-	-	
MW-5S	06/11/08	15.3	-	-	7.3	487	420	2.8	-	-	-	-	-	-	-	0.096
	08/23/11	15.9	3.73	11	7.1	800	-	-	-	-	-	-	-	-	-	-
	09/22/15	14.0	2.92	25.5	7.5	801	-	-	-	-	-	-	-	-	-	-
MW-5D	03/18/03	10.0	-	-	8.0	570	240	10	-	-	-	-	-	-	-	0.028
	09/19/03	14.0	-	-	6.9	600	220	11	-	-	-	-	-	-	-	0.021
	03/29/04	13.4	-	-	8.2	500	220	10	-	-	-	-	-	-	-	0.031
	09/21/04	13.5	-	-	8.0	500	230	11	-	-	-	-	-	-	-	0.021
	03/22/05	8.0	-	-	7.8	1000	390	12	-	-	-	-	-	-	-	0.023
	09/26/05	10.6	-	-	7.9	700	300	6.1	-	-	-	-	-	-	-	0.0054
	03/29/06	9.8	-	-	8.2	800	300	6.1	-	-	-	-	-	-	-	1.0054
	09/26/06	12.1	-	-	7.9	700	310	7.1	-	-	-	-	-	-	-	ND
	03/21/07	8.8	-	-	7.9	680	350	6.1	-	-	-	-	-	-	-	0.012
	09/19/07	9.1	-	-	7.5	800	460	15	-	-	-	-	-	-	-	0.022
	06/10/08	13.9	-	-	6.8	1115	640	19	-	-	-	-	-	-	-	0.020
	12/02/08	10.4	-	-	8.2	729	360	12	-	-	-	-	-	-	-	0.0047
	06/29/09	10.7	-	-	6.6	1179	480	19	-	-	-	-	-	-	-	0.027
	06/30/10	12.7	-	-	7.2	1291	530	14.8	-	-	-	-	-	-	-	<0.0048
	08/23/11	10.4	5.49	120	7.2	1100	-	-	-	-	-	-	-	-	-	-

Table 2: Groundwater Field Measurements and Inorganic Laboratory Results, Denow Landfill, Grafton, Wisconsin

Well ID	Date	Field Measurement					Laboratory Analysis									
	Sampled	Temperature	DO	Eh (ORP)	pH	Conductivity	Alkalinity	Chloride	Iron	Nitrate (as N)	Total Organic Compound (TOC)	Total Inorganic Compound (TIC)	Methane	Ethene	Ethane	Manganese
		(degrees C)	mg/l	mV	s.u.	(µS/cm)	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	µg/l	µg/l	µg/l	mg/l
Wisconsin Department of Natural Resources Preventive Action Limit							NR	125	0.15	2	NR	NR	NR	NR	NR	0.025
Wisconsin Department of Natural Resources Enforcement Standard							NR	250	0.3	10	NR	NR	NR	NR	NR	0.05

Note:

mg/l = milligrams per liter

µg/l = micrograms per liter

µS/cm = micro Siemens per centimeter

NR = not regulated

ND = not detected

- = not analyzed

"J" = analyte detected between limit of detection and limit of quantitation

* = duplicate sample

XXX = exceeds Wisconsin Department of Natural Resources preventive action limit

XXX = exceeds Wisconsin Department of Natural Resources enforcement standard

Table 3 - Groundwater Sampling Volatile Organic Compound Results - October 2024, Denow Landfill, Grafton, Wisconsin

Well ID	Date Sampled	Relevant and Significant Volatile Organic Compounds (micrograms per liter)						
		1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene (TCE)	Vinyl Chloride
NR 140, Wis. Adm. Code PAL		0.7	7	20	0.5	0.5	0.5	0.02
NR 140, Wis. Adm. Code ES		7	70	100	5	5	5	0.2
LANDFILL MONITORING WELLS								
MW-1S	10/01/24	<0.48	<0.42	<0.44	<3.6	<0.39	0.49 "J"	<0.20
MW-1D	10/01/24	<0.48	<0.42	<0.44	<3.6	<0.39	<0.15	<0.20
MW -1B	10/01/24	<0.48	1.1	<0.44	<3.6	<0.39	<0.15	<0.20
MW-2S	10/02/24	<0.48	2.2	<0.44	<3.6	7.0	8.1	<0.20
MW-2D	10/02/24	<0.48	76	2.5	<3.6	6.6	35	3.3
MW-3S	10/02/24	<0.48	2.3	<0.44	<3.6	1.3	1.4	<0.20
MW-3D	10/02/24	<0.48	25	1.4	<3.6	<0.39	<0.15	<0.20
MW-3B1	10/02/24	<0.48	18	<0.44	<3.6	<0.39	<0.15	11
MW-3B2 *	10/02/24	3.1	390	9.2	<3.6	<0.39	<0.15	310
	10/02/24	3.5	480	8.7	<3.6	<0.39	<0.15	300
MW-4D	10/02/24	<0.48	0.51 "J"	<0.44	<3.6	<0.39	0.21 "J"	<0.20
MW-6S	10/01/24	<0.48	<0.42	<0.44	<3.6	<0.39	<0.15	<0.20
MW-6D	10/01/24	<0.48	<0.42	<0.44	<3.6	<0.39	<0.15	<0.20
MW-6B	10/01/24	<0.48	0.70 "J"	<0.44	<3.6	<0.39	<0.15	0.48 "J"
MW-8S	10/02/24	<0.48	2.3	<0.44	<3.6	15	8.9	<0.20
MW-8B	10/02/24	<0.48	13	1.9	<3.6	<0.39	0.55	25
MW-9S	10/02/24	<0.48	<0.42	<0.44	<3.6	<0.39	<0.15	<0.20
MW-9B	10/02/24	<0.48	15	<0.44	<3.6	<0.39	0.42 "J"	0.39
MW-12S	10/02/24	<0.48	<0.42	<0.44	<3.6	<0.39	<0.15	<0.20
MW-12B	10/02/24	<0.48	27	0.97 "J"	<3.6	5.5	12	2.5
MW-13S	10/01/24	<0.48	2.9	<0.44	<3.6	<0.39	11	<0.20
MW-13B	10/01/24	<0.48	2.1	<0.44	<3.6	<0.39	2.7	0.26 "J"
FORMER RESIDENTIAL WATER SUPPLY WELLS CONVERTED INTO GROUND-WATER MONITORING WELLS								
2232 Edgewood Drive	10/01/24	<0.48	<0.42	<0.44	<3.6	<0.39	<0.15	<0.20
2267 Edgewood Drive	10/01/24	<0.48	<0.42	<0.44	<3.6	<0.39	<0.15	1.3
2280 Edgewood Drive	10/01/24	<0.48	<0.42	<0.44	<3.6	<0.39	<0.15	0.28 "J"

Well ID	WDNR Point ID No.	Date Sampled							Methyl tert- butyl ether (MTBE)	Naphthalene	Toluene	Trichloro- ethene (TCE)	Vinyl Chloride
			cis 1,2-Dichloro ethene	Dibromo- chloromethane	Dichlorodi- fluoromethane	1,1-Dichloro- ethane	1,4-Dichloro- benzene	Methylene chloride					
NR 140, Wis. Adm. Code PAL			7	6	200	85	15	0.5	12	10	160	0.5	0.02
NR 140, Wis. Adm. Code ES			70	60	1000	850	75	5	60	100	800	5	0.2
1699 Cedar Sauk Road	-	05/04/07	ND	ND	<0.50	ND	<0.50	<0.50	ND	ND	<0.50	<0.50	<0.50
1735 Cedar Sauk Road	-	08/16/07	<0.68	ND	<0.46	<0.56	<0.33	<0.69	ND	ND	<0.46	<0.44	<0.04
1777 Cedar Sauk Road	-	08/16/07	<0.68	ND	<0.46	<0.56	<0.33	<0.69	ND	ND	<0.46	<0.44	<0.04
1785 Cedar Sauk Road	-	08/18/07	<0.68	ND	<0.46	<0.56	<0.33	<0.69	ND	ND	<0.46	<0.44	<0.04
1793 Cedar Sauk Road	-	08/16/07 12/11/08	<0.68 <0.21	ND ND	<0.46 <0.15	<0.56 <0.21	0.48 "J" <0.18	<0.69 <0.40	ND ND	ND ND	<0.46 <0.20	<0.44 <0.20	<0.04 <0.17
1807 Cedar Sauk Road	-	04/30/01 09/26/06	- -	ND ND	<0.27 <0.26	- -	<0.29 <0.24	<0.35 <0.30	ND ND	ND ND	<0.22 <0.17	<0.36 <0.19	<0.23 <0.17
1811 Cedar Sauk Road	-	05/04/07	ND	ND	<0.50	ND	<0.50	<0.50	ND	ND	<0.50	<0.50	<0.50
2106 Edgewater Drive	-	05/04/07	ND	ND	<0.50	ND	<0.50	<0.50	ND	ND	<0.50	<0.50	<0.50
2109 Edgewater Drive	-	05/04/07	ND	ND	<0.50	ND	<0.50	<0.50	ND	ND	<0.50	<0.50	<0.50
2114-16 Edgewater Drive	-	05/04/07	ND	ND	<0.50	ND	<0.50	<0.50	ND	ND	<0.50	<0.50	<0.50
2176 Edgewater Drive	310	08/16/07 12/02/08 07/12/10	<0.68 - -	ND ND ND	<0.46 <0.30 <0.7	<0.56 - -	<0.33 <0.34 <0.95	<0.69 <0.42 <0.47	ND ND ND	ND ND ND	<0.46 <0.35 <0.72	0.57 "J" <0.40 <0.39	<0.04 <0.15 <0.19
2196 Edgewater Drive	311	08/16/07 09/01/11 09/13/12	<0.68 <0.20 <0.21	ND ND ND	<0.46 <0.29 <0.19	<0.56 <0.21 <0.20	<0.33 <0.22 <0.22	<0.69 <0.48 <0.40	ND <0.28 <0.19	ND ND ND	<0.46 <0.17 <0.23	<0.44 <0.17 <0.25	<0.04 <0.18 <0.15
2216 Edgewater Drive	312	05/04/07 08/26/11 09/14/12 09/25/19	ND <0.20 <0.21 <0.41	ND ND ND ND	<0.50 <0.29 <0.19 <0.67	ND <0.21 <0.19 <0.41	<0.50 <0.22 <0.22 <0.36	<0.50 <0.48 <0.40 <1.6	ND <0.28 <0.19 <0.39	ND ND ND ND	<0.50 <0.17 <0.23 <0.15	<0.50 <0.17 <0.25 <0.16	<0.50 <0.18 <0.15 <0.20
2236 Edgewater Drive	313	05/04/07 08/16/07 09/01/11 09/18/12 09/27/13 04/07/14 09/26/14 03/26/15 10/06/15 03/21/16 09/13/18 09/23/21	ND <0.68 0.20 <0.21 < 0.38 < 0.38 < 0.38 < 0.22 < 0.22 <0.45 <0.41 <0.41	ND ND ND ND ND ND ND ND ND ND ND ND <0.49	0.30 "J" <0.46 ND 0.28 < 0.44 < 0.44 < 0.44 0.34 "J" 0.27 "J" <0.87 <0.67 <0.67	ND <0.56 <0.21 <0.19 < 0.3 < 0.3 < 0.3 <0.20 <0.21 <1.1 <0.41 <0.42	<0.50 <0.33 <0.22 <0.22 < 0.3 < 0.3 < 0.3 <0.20 <0.20 <0.49 <0.36 <0.36	<0.50 <0.69 <0.48 <0.40 < 0.5 < 0.5 < 0.5 <0.18 <0.18 <1.3 <1.6 <1.6	ND ND ND ND ND ND ND ND ND ND ND ND <0.39	ND ND ND ND ND ND ND ND ND ND ND ND ND	<0.50 <0.46 <0.17 <0.23 < 0.33 < 0.33 < 0.33 <0.20 <0.18 <0.44 <0.15 <0.15	<0.50 <0.44 <0.17 <0.25 < 0.33 < 0.33 < 0.33 <0.20 <0.18 <0.47 <0.31 <0.16 <0.16	

Table 4: In-Use Residential Water Supply Wells Volatile Organic Compound Laboratory Results, Denow Landfill, Grafton, Wisconsin

Well ID	WDNR Point ID No.	Date Sampled	cis 1,2-Dichloroethene	Dibromo-chloromethane	Dichlorodi-fluoromethane	1,1-Dichloro-ethane	1,4-Dichloro-benzene	Methylene chloride	Methyl tert-butyl ether (MTBE)	Naphthalene	Toluene	Trichloro-ethene (TCE)	Vinyl Chloride
NR 140, Wis. Adm. Code PAL			7	6	200	85	15	0.5	12	10	160	0.5	0.02
NR 140, Wis. Adm. Code ES			70	60	1000	850	75	5	60	100	800	5	0.2
		08/26/11	<0.20	ND	<0.29	<0.21	<0.22	<0.48	<0.28	ND	<0.17	<0.17	<0.18
		09/13/12	<0.21	ND	<0.19	<0.19	<0.22	<0.40	<0.19	ND	<0.23	<0.25	<0.15
		09/30/13	< 0.38	ND	< 0.44	< 0.3	< 0.3	< 0.5	< 0.23	ND	< 0.69	< 0.33	< 0.18
		09/25/14	< 0.38	ND	< 0.44	< 0.3	< 0.3	< 0.5	< 0.23	ND	< 0.69	< 0.33	< 0.18
		09/23/15	<0.22	ND	<0.19	<0.21	<0.20	<0.18	<0.18	ND	<0.20	<0.17	<0.20
		09/13/18	<0.41	ND	<0.67	<0.41	<0.36	6.3 L	<0.39	ND	<0.15	<0.16	<0.20
		11/06/18	<0.41	ND	<0.67	<0.41	<0.36	<1.6	<0.39	ND	<0.15	<0.16	<0.20
2300 Maple Road**		10/03/06	-	ND	<0.17	-	<0.24	<0.36	0.48 "J"	ND	<0.19	<0.30	<0.20
		09/17/07	<0.21	ND	<0.15	<0.21	<0.18	<0.40	0.69 "J"	ND	<0.20	<0.20	<0.17
		09/16/08	ND	ND	<0.22	ND	<0.35	<0.40	0.61 "J"	ND	<0.37	<0.43	<0.095
		09/09/09	ND	ND	<0.22	ND	<0.22	<0.48	0.48 "J"	ND	<0.17	<0.17	<0.18
		09/01/10	<0.20	ND	<0.22	<0.21	<0.22	<0.48	0.75 "J"	ND	<0.17	<0.17	<0.18
		09/21/11	<0.20	ND	<0.22	<0.21	<0.22	<0.48	0.63 "J"	ND	<0.17	<0.17	<0.18
		09/25/12	<0.21	ND	<0.19	<0.19	<0.22	<0.40	0.71	ND	<0.23	<0.25	<0.15
		09/25/13	<0.1	ND	<0.23	<0.13	<0.14	<0.40	1.0	ND	<0.16	<0.27	<0.17
		10/06/14	<0.15	ND	<0.23	<0.22	<0.23	<0.22	0.80	ND	<0.17	<0.15	<0.17
		09/09/15	<0.22	ND	<0.19	<0.21	<0.20	<0.18	0.83	ND	<0.20	<0.17	<0.20
		09/18/18	<0.41	ND	<0.49	<0.41	<0.36	<1.6	0.84 "J"	ND	<0.15	<0.16	<0.20
1670 Pleasant Valley Road (Now known as 2128 Valley Ct)	306	04/30/01	-	ND	<0.27	-	<0.27	<0.35	ND	ND	<0.22	<0.36	<0.23
		07/29/02	-	ND	0.24 "J"	-	<0.25	<0.24	ND	ND	<0.17	<0.13	<0.18
		10/03/03	-	ND	<0.26	-	<0.26	<0.12	ND	ND	<0.14	<0.12	<0.10
		09/22/04	-	ND	0.28 "J"	-	<0.23	<0.43	ND	ND	<0.34	<0.25	<0.11
		09/26/06	-	ND	<0.26	-	<0.24	<0.30	ND	ND	<0.17	<0.19	<0.17
		09/20/07	<0.21	ND	<0.15	<0.21	<0.15	<0.40	ND	ND	<0.20	<0.20	<0.17
		12/02/08	ND	ND	<0.30	ND	<0.34	<0.42	ND	ND	<0.35	<0.40	<0.15
		06/29/09	<0.2	ND	<0.25	<0.15	<0.30	<0.22	0.23 "J"	ND	<0.72	<0.39	<0.19
		07/08/10	ND	ND	<0.7	ND	<0.95	<0.47	ND	ND	<0.72	<0.39	<0.19
		08/25/11	<0.21	ND	<0.22	<0.19	<0.22	<0.40	<0.19	ND	<0.23	<0.15	<0.15
		09/13/12	<0.21	ND	0.39 "J"	<0.19	<0.22	<0.40	<0.19	ND	<0.23	<0.25	<0.15
		09/27/13	< 0.38	ND	< 0.44	< 0.3	< 0.3	< 0.5	< 0.23	ND	< 0.69	< 0.33	< 0.18
		09/23/14	< 0.38	ND	< 0.44	< 0.3	< 0.3	< 0.5	< 0.23	ND	< 0.69	< 0.33	< 0.18
		09/23/15	<0.22	ND	0.89	<0.21	<0.20	<0.18	<0.18	ND	<0.20	<0.17	<0.20
		09/13/18	<0.41	ND	<0.67	<0.41	<0.36	<1.6	<0.39	ND	<0.15	<0.16	<0.20
1710 Pleasant Valley Road	-	05/04/07	ND	ND	<0.50	ND	<0.50	<0.50	ND	ND	<0.50	<0.50	<0.50
1754 Pleasant Valley Road	-	08/16/07	<0.68	ND	<0.46	<0.56	<0.33	<0.69	ND	ND	<0.46	<0.44	<0.04
1770 Pleasant Valley Road	-	08/18/07	<0.68	ND	<0.46	<0.56	<0.33	<0.69	ND	ND	<0.46	<0.44	<0.04
1786 Pleasant Valley Road	-	05/04/07	ND	ND	<0.50	ND	<0.50	<0.50	ND	ND	<0.50	<0.50	<0.50
1794 Pleasant Valley Road	-	08/18/07	<0.68	ND	<0.46	<0.56	<0.33	<0.69	ND	ND	<0.46	<0.44	<0.04
1965 Tamarack Trail	307	08/16/07	<0.68	ND	<0.46	<0.56	<0.33	<0.69	ND	ND	<0.46	<0.44	0.086 "J"
		06/05/08	<0.37	ND	<0.30	<0.42	<0.34	<1.0	0.36 "J"	ND	<0.50	<0.20	<0.20
		12/02/08	<0.39	ND	<0.30	<0.42	<0.34	<0.42	0.36 "J"	ND	<0.35	<0.40	<0.15
		07/08/10	-	ND	<0.7	-	<0.95	<0.47	ND	ND	<0.72	<0.39	<0.19
		08/24/11	0.40 "J"	ND	<0.22	0.32 "J"	<0.22	<0.40	0.38	ND	<0.23	<0.25	<0.15
		09/13/12	0.63 "J"	ND	<0.19	0.32 "J"	<0.22	<0.40	0.30 "J"	ND	<0.23	0.26 "J"	<0.15
		09/27/13	0.54 "J"	ND	< 0.44	0.30 "J"	< 0.3	< 0.5	0.28 "J"	ND	< 0.69	0.34 "J"	< 0.18
		09/26/14	0.58 "J"	ND	< 0.44	0.32 "J"	< 0.3	< 0.5	0.46 "J"	ND	< 0.69	< 0.33	< 0.18
		09/23/15	0.30 "J"	ND	<0.19	0.24 "J"	<0.20	<0.18	0.34 "J"	ND	<0.20	<0.17	<0.20
		05/31/24	0.51 "J"	<0.83	<1.8	<0.36	<0.45 ^c	<3.6	<0.43	<0.44	<0.21	<0.15	<0.20
1945 Tamarack Trail	317	4/02/24***	2.54	<0.57	<0.23	3.2	<0.35	<0.46	<0.29	<0.55	35	1.41	0.75
		04/23/24	2.9	<0.49	<0.67	3.1	<0.36	<1.6	<0.39	0.47 "J F2 F1"	43	1.2	<0.20
		05/31/24	4.2	<0.83	<1.8	3.8	<0.46	<3.6	<0.43	<0.44	7.5	2.3	<0.20
		10/03/24	6.4	<0.83	<1.8	4.1	<0.45	<3.6	<0.43	<0.44	<0.21	2.4	0.89 "J"
		10/28/24	8.0	<0.83	<1.8	5.0	<0.45	<3.6	<0.43	<0.44	<0.21	2.5	0.87 "J"
2467 Prairie View Lane	-	08/18/07	<0.68	ND	<0.46	<0.56	<0.33	<0.69	ND	ND	<0.46	<0.44	<0.04
2475 Prairie View Lane	-	08/18/07	<0.68	ND	<0.46	<0.56	<0.33	<0.69	ND	ND	<0.46	<0.44	<0.04
2478 Prairie View Lane	-	05/04/07	ND	ND	<0.50	ND	<0.50	<0.50	ND	ND	<0.50	<0.50	<0.50

Notes: Only analyte concentrations detected above the limit of quantification or respective PAL are reported on this table.

All samples from May 4, 2007 were collected by USEPA personnel.

The complete list of volatile organic compound analysis is included on the laboratory-provided data disk that is submitted annually to the WDNR

NE = not established

- = not analyzed

ND = analyte not detected

* = duplicate sample

** = collected as part of Pleasant Valley Landfill longterm groundwater monitoring program

*** = sample collected by Goth Water Wells Inc and laboratory analysis provided by Water Diagnostics using USEPA Method 524.2

XXX = exceeds Chapter NR 140, Wisconsin Administrative Code (NR 140, Wis. Adm. Code) preventive action limit (PAL)

XXX = exceeds NR 140, Wis. Adm. Code enforcement limit (ES)

"J" = analyte detected between Limit of Detection and Limit of Quantification

"B" = compound found in blank and sample

L = probable laboratory contaminant

^c = CCV Recovery is outside acceptance limits

Table 5: Groundwater Monitoring Well Volatile Organic Compound Laboratory Results, Denow Landfill, Grafton, Wisconsin

Well Screen Interval in feet above sea level	Groundwater Elevation in feet above mean sea level	Well ID	Date Sampled	Relevant and Significant Volatile Organic Compounds (micograms per liter)						
				1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene (TCE)	Vinyl Chloride
		NR 140, Wis. Adm. Code PAL		0.7	7	20	0.5	0.5	0.5	0.02
		NR 140, Wis. Adm. Code ES		7	70	100	5	5	5	0.2
LANDFILL MONITORING WELLS										
781.5-791.5	786.40	MW-1S	11/04/98	<0.36	<0.34	<0.46	<0.26	<0.31	<0.61	<0.32
	786.15		12/15/98	<0.36	<0.34	<0.46	4.8	<0.56	<0.39	<0.32
	788.18		04/25/01	<0.36	<1	<0.23	<0.35	<0.25	<0.36	<0.23
	787.74		07/29/02	<0.33	<0.20	<0.38	<0.24	<0.16	0.25 "J"	<0.20
	785.29		03/18/03	<0.17	<0.22	<0.16	<0.12	<0.17	0.23 "J"	<0.10
	784.60		09/19/03	<0.17	<0.22	<0.16	<0.12	<0.17	<0.12	<0.10
	785.12		03/29/04	<0.41	<0.40	<0.35	<0.43	<0.31	8.1	<0.11
	787.30		09/21/04	<0.41	<0.40	<0.35	<0.43	<0.31	3.5	<0.11
	787.09		03/22/05	<0.41	<0.40	<0.35	<0.43	<0.31	3.8	<0.11
	785.45		09/26/05	<0.20	<0.18	<0.18	<0.25	2.2	<0.19	<0.20
	785.50		03/29/06	<0.19	<0.20	<0.17	<0.18	<0.18	17	<0.17
	786.03		09/26/06	<0.15	<0.19	<0.17	<0.36	<0.16	11	<0.20
	787.39		03/21/07	<0.24	<0.21	<0.22	<0.40	<0.21	16	<0.17
	788.08		09/19/07	<0.24	<0.21	<0.22	<0.40	<0.21	7.4	<0.17
	-		06/11/08	<0.50	<0.50	<0.50	<0.50	<0.50	4.2	<0.20
	787.26		12/02/08	<0.24	<0.21	<0.22	<0.40	<0.21	3.6	<0.17
	788.26		06/29/09	<0.21	<0.20	<0.26	<0.48	<0.21	3.5	<0.18
	788.03		06/30/10	<0.7	<0.78	<1.3	<0.47	<0.43	1.72	0.22 "J"
	787.61		08/23/11	<0.21	<0.20	<0.26	<0.48	<0.21	3.20	<0.18
	785.94		09/11/12	<0.21	<0.20	<0.26	<0.48	<0.21	1.20	<0.18
	787.16		09/26/13	< 0.4	< 0.38	< 0.35	< 0.5	< 0.33	1.26	< 0.18
	787.05		09/24/14	<0.4	<0.38	<0.35	<0.5	<0.33	1.63	<0.18
	786.77		09/23/15	<0.27	<0.26	<0.27	<0.23	<0.27	2.36	<0.20
	788.31		09/11/18	<0.39	<0.41	<0.35	<0.35	<0.37	0.96	<0.20
	786.12		09/24/19	<0.39	<0.41	<0.35	7.6 L	<0.37	0.48 "J"	<0.20
	787.98		09/23/20	<0.39	<0.41	<0.35	3.5 "J" L	<0.37	0.59	<0.20
	787.01		09/23/21	<0.39	<0.41	<0.35	<1.6	<0.37	0.30	<0.21
	787.03		09/28/22	<0.39	<0.41	<0.35	<1.6	<0.37	0.48 "J"	<0.21
	787.51		10/01/24	<0.48	<0.42	<0.44	<3.6	<0.39	0.49 "J"	<0.20
738.7-743.7		MW-1D	11/11/98	<0.36	<0.34	<0.46	<0.26	<0.56	<0.39	<0.32
	786.28		12/15/98	<0.36	<0.34	<0.46	5.5	<0.56	<0.39	<0.32
	788.19		04/25/01	<0.36	<1	<0.23	<0.35	<0.25	<0.36	<0.23
	787.75		07/29/02	<0.33	<0.20	<0.38	<0.24	<0.16	<0.17	<0.20
	785.27		03/18/03	<0.17	0.26 "J"	<0.16	<0.12	<0.17	<0.12	<0.10
	784.61		09/19/03	<0.17	<0.22	<0.16	<0.12	<0.17	<0.12	0.19 "J"
	785.12		03/29/04	<0.41	<0.40	<0.35	<0.43	<0.31	<0.25	<0.11
	787.31		09/21/04	<0.41	<0.40	<0.35	<0.43	<0.31	<0.25	<0.11
	787.07		03/22/05	<0.41	<0.40	<0.35	<0.43	<0.31	<0.25	<0.11
	785.45		09/26/05	<0.20	<0.18	<0.18	<0.25	<0.16	<0.19	<0.20
	785.48		03/29/06	<0.19	<0.20	<0.17	<0.18	<0.18	<0.21	<0.17
	786.02		09/26/06	<0.15	<0.19	<0.17	<0.36	<0.16	<0.30	<0.20
	787.37		03/21/07	<0.24	<0.21	<0.22	<0.40	<0.21	<0.20	<0.17
	788.10		09/19/07	<0.24	<0.21	<0.22	<0.40	<0.21	<0.20	<0.17
	-		06/11/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20
	787.24		12/02/08	<0.24	<0.21	<0.22	<0.40	<0.21	<0.21	<0.17
	788.04		06/29/09	<0.21	<0.20	<0.26	<0.48	<0.21	<0.17	<0.18
	787.99		06/30/10	<0.7	<0.78	<1.3	<0.47	<0.43	<0.39	<0.19
	787.52		08/23/11	<0.21	<0.20	<0.26	<0.48	<0.21	<0.17	<0.18
	785.92		09/11/12	<0.21	<0.20	<0.26	<0.48	<0.21	<0.17	<0.18
	787.14		09/26/13	< 0.4	< 0.38	< 0.35	< 0.5	< 0.33	< 0.33	< 0.18
	787.00		09/24/14	<0.4	<0.38	<0.35	<0.5	<0.33	<0.33	<0.18
	786.36		09/23/15	<0.27	<0.26	<0.27	<0.23	<0.27	<0.18	<0.20
	788.28		09/11/18	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
	786.11		09/24/19	<0.39	<0.41	<0.35	7.3 L	<0.37	<0.16	<0.20
	787.93		09/23/20	<0.39	<0.41	<0.35	6.1 L	<0.37	<0.16	<0.20
	786.96		09/23/21	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
	786.91		09/28/22	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
	787.49		10/01/24	<0.48	<0.42	<0.44	<3.6	<0.39	<0.15	<0.20
709.1-714.1	787.60	MW -1B	07/29/02	<0.33	0.98	<0.38	<0.24	<0.16	1.5	0.44 "J"
	785.18		03/18/03	<0.17	1.4	<0.16	<0.12	<0.17	4.0	0.51
	784.50		09/19/03	<0.17	1.4	<0.16	<0.12	<0.17	4.0	0.44
	785.03		03/29/04	<0.41	1.6	<0.35	<0.43	<0.31	4.5	0.66
	787.17		09/21/04	<0.41	1.0 "J"	<0.35	<0.43	<0.31	3.5	<0.11
	786.92		03/22/05	<0.41	1.6	<0.35	<0.43	<0.31	3.9	0.42
	785.27		09/26/05	<0.20	0.89	<0.18	<0.25	2.4	<0.19	<0.20
	785.34		03/29/06	<0.15	2.0	<0.17	<0.36	<0.16	4.2	0.37 "J"
	785.86		09/26/06	<0.15	1.9	<0.17	<0.36	<0.16	2.3	0.29 "J"

Table 5: Groundwater Monitoring Well Volatile Organic Compound Laboratory Results, Denow Landfill, Grafton, Wisconsin

Well Screen Interval in feet above sea level	Groundwater Elevation in feet above mean sea level	Well ID	Date Sampled	Relevant and Significant Volatile Organic Compounds (micograms per liter)						
				1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene (TCE)	Vinyl Chloride
		NR 140, Wis. Adm. Code PAL		0.7	7	20	0.5	0.5	0.5	0.02
		NR 140, Wis. Adm. Code ES		7	70	100	5	5	5	0.2
	787.27	MW-1B continued	03/21/07	<0.24	2.8	<0.22	<0.40	1.9	<0.20	0.23 "J"
	787.98		09/19/07	<0.24	2.6	<0.22	<0.40	0.21	0.71	<0.17
	-		06/11/08	<0.50	3.6	<0.50	<0.50	<0.50	0.45 "J"	<0.20
	787.16		12/02/08	<0.24	2.3	<0.22	<0.40	<0.21	0.25 "J"	<0.17
	787.95		06/29/09	<0.21	2.3	<0.26	<0.48	<0.21	0.32 "J"	<0.18
	787.87		06/30/10	<0.7	2.95	<1.3	<0.47	<0.43	<0.39	<0.19
	787.44		08/23/11	<0.21	1.3	<0.26	<0.48	<0.21	<0.17	<0.18
	785.79		09/11/12	<0.21	1.3	<0.26	<0.48	<0.21	0.21 "J"	<0.18
	787.03		09/26/13	< 0.4	3.12	< 0.35	< 0.5	< 0.33	< 0.33	< 0.18
	786.91		09/24/14	<0.4	2.79	<0.35	<0.5	<0.33	<0.33	<0.18
	786.28		09/23/15	<0.27	0.721 "J"	<0.27	<0.23	<0.27	<0.18	<0.20
	788.23		09/11/18	<0.39	1.40	<0.35	<1.6	<0.37	<0.16	<0.20
	786.05		09/24/19	<0.39	0.92 "J"	<0.35	7.9 L	<0.37	<0.16	<0.20
	787.90		09/23/20	<0.39	<0.41	<0.36	6.4 L	<0.37	<0.16	<0.20
	786.91		09/23/21	<0.39	0.47	<0.36	<1.6	<0.37	<0.16	<0.20
	786.94		09/28/22	<0.39	<0.41	<0.36	<1.6	<0.37	<0.16	<0.20
	787.37		10/01/24	<0.48	1.1	<0.44	<3.6	<0.39	<0.15	<0.20
779.7-789.7		MW-2S	11/11/98	<0.36	<0.34	<0.46	<0.26	19	48	<0.32
	786.29		12/15/98	<0.36	32	1.1"J"	<1	16	30	<0.32
	-		12/15/98	<0.36	38	1.2"J"	<1	17	33	<0.32
	788.12		04/25/01	<0.36	15	0.83	<0.35	10	22	<0.23
	787.76		07/29/02	<0.33	20	0.73"J"	<0.24	7.3	21	<0.20
	785.29		03/18/03	<0.17	17	<0.16	<0.12	8.2	22	<0.10
	784.60		09/19/03	<0.17	5.8	<0.16	<0.12	8.1	15	<0.10
	785.13		03/29/04	<0.41	4.4	<0.35	<0.43	7.3	12	<0.11
	787.29		09/21/04	<0.41	5.4	<0.35	<0.43	4.0	9.2	<0.11
	787.07		03/22/05	0.98 "J"	24	1.20	<0.43	6.8	17	<0.11
	785.47		09/26/05	<0.20	19	1.10	<0.25	6.7	16	<0.20
	785.49		03/29/06	<0.19	9.1	0.39 "J"	0.32 "J"	6.9	14	<0.17
	786.03		09/26/06	<0.15	16	0.68	<0.36	0.29 "J"	16	<0.20
	787.50		03/21/07	<0.24	3.3	<0.22	<0.40	1.8	4.3	<0.17
	788.17		09/19/07	<0.24	8.8	0.35 "J"	<0.40	<0.21	9.4	<0.17
	-		06/04/08	<0.50	20	<0.50	<1.0	5.1	16	0.33 "J"
	787.26		12/02/08	<0.48	16	0.55 "J"	<0.80	3.7	15	<0.34
	788.03		06/29/09	<0.21	5.3	0.35 "J"	<0.48	3.9	9.1	<0.18
	788.04		06/30/10	<0.7	4.1	<1.3	<0.47	6.2	11.8	<0.19
	-		06/30/10	<0.7	5.0	<1.3	<0.47	5.3	11.4	<0.19
	787.59		08/23/11	<0.20	<0.21	0.31"J"	<0.40	11	21	<0.15
	785.93		09/12/12	<0.21	14	0.48 "J"	<0.48	24	47	<0.18
	787.14		09/26/13	< 0.4	7.9	0.45 "J"	< 0.5	10.2	17	< 0.18
	787.03		09/24/14	<0.4	4.5	<0.35	<0.5	7.8	15.8	<0.18
	786.50		09/22/15	<0.27	6.53	0.309 "J"	<0.23	12.2	20.7	<0.20
	787.17		03/27/18	<0.39	8.1	1.10	<1.6	10	20	<0.20
	788.26		09/11/18	<0.39	7.9	<0.35	<1.6	12	18	<0.20
	788.25		03/27/19	<0.39	3.4	<0.35	<1.6	4.8	7.3	<0.20
	787.99		09/24/19	<0.39	<0.41	<0.35	<1.6	8.8	15	<0.20
	788.20		03/11/20	<0.39	<0.41	<0.35	<1.6	16	15	<0.20
	787.95		09/24/20	<0.39	3.8	<0.35	6.0 L	11	14	<0.20
	788.12		03/23/21	<0.39	4.0	<0.35	<1.6	9.1	10	<0.20
	786.98		09/23/21	<0.39	8.4	<0.35	<1.6	25	25	<0.20
	785.82		03/28/22	<0.39	4.3	<0.35	<1.6	11	14	<0.20
	787.92		09/28/22	<0.39	4.4	<0.35	<1.6	16	19	<0.20
	788.27		03/30/23	<0.39	0.6	<0.35	<1.6	4.8	4.2	<0.20
	788.26		03/28/24	<0.39	3.0	<0.35	<1.6	7.5	8	<0.20
	787.46		10/01/24	<0.48	2.2	<0.44	<3.6	7.0	8.1	<0.20
762.4-767.4	-	MW-2D	12/30/98	<0.36	38	1"J"	<1	6.3	39	0.88"J"
			02/08/99	<0.36	45	1.3"J"	<1	15	59	2.2
	789.13		04/26/01	<0.36	68	2.80	<0.35	20	110	<0.23
	788.73		07/29/02	<0.33	74	2.30	<0.24	14	83	0.87
	786.29		03/18/03	<0.17	42	<0.16	<0.12	15	73	<0.10
	785.60		09/19/03	<0.26	39	1.40	<0.12	14	65	0.24 "J"
	786.13		03/29/04	<0.41	34	1.5"J"	<0.43	13	58	<0.11
	788.29		09/21/04	<2.1	37	<1.7	<2.1	13	54	<0.53
	788.07		03/22/05	<2.1	37	3.3 "J"	<2.1	16	83	6.6
	786.48		09/26/05	<0.20	69	2.4 "J"	<0.25	13	70	2.4 "J"
	786.50		03/29/06	<0.76	<0.95	2.1 "J"	<1.8	14	69	2.3 "J"
	787.03		09/26/06	<0.76	48	2.0 "J"	<1.8	14	59	<0.98
	788.38		03/21/07	<1.2	54	1.4 "J"	<2.0	11	61	1.0 "J"

Table 5: Groundwater Monitoring Well Volatile Organic Compound Laboratory Results, Denow Landfill, Grafton, Wisconsin

Well Screen Interval in feet above sea level	Groundwater Elevation in feet above mean sea level	Well ID	Date Sampled	Relevant and Significant Volatile Organic Compounds (micograms per liter)						
				1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene (TCE)	Vinyl Chloride
		NR 140, Wis. Adm. Code PAL		0.7	7	20	0.5	0.5	0.5	0.02
		NR 140, Wis. Adm. Code ES		7	70	100	5	5	5	0.2
	789.11	MW-2D continued	09/19/07	<0.24	74	2.0 "J"	<0.40	9.8	61	2.3 "J"
	-		06/04/08	0.89 "J"	160	0.96 "J"	<1.0	12	83	40
	788.28		12/02/08	<1.2	260	5.30	<2.0	15	95	3.3
	789.02		06/29/09	<4.2	240	5.6 "J"	<9.6	12 "J"	76	<3.7
	787.82		06/30/10	<0.7	252	<1.3	<0.47	16	92	3.4 "J"
	788.61		08/23/11	<4.0	180	<3.9	<8.0	12	65	<3.0
	788.12		11/22/11	<2.1	120	3.1 "J"	<4.8	10	53	<1.8
	788.26		02/22/12	<2.1	130	3.6 "J"	<4.8	11	46	<1.8
	788.26		02/22/12	<2.1	120	3.7 "J"	<4.8	10	45	<1.8
	789.05		05/21/12	<1.5	79	2.2 "J"	<3.2	11	43	<1.2
	786.93		09/12/12	<0.52	27	1.3 "J"	<1.2	8.7	24	<0.46
	785.98		12/19/12	<0.50	34	1.0 "J"	<1.0	9.6	30	<0.37
	787.75		03/21/13	<0.72	40	1.3 "J"	<1.0	10	34	<0.42
	789.21		06/25/13	<0.72	74	2.2 "J"	<1.0	8.4	30	<0.42
	788.16		09/26/13	0.41 "J"	84	2.63	< 0.5	9.4	43	3.5
	788.02		09/24/14	<0.4	60	1.83	<0.5	7.7	29.4	<0.18
	787.40		09/22/15	<0.27	31.4	0.902 "J"	<0.23	6.11	17	<0.20
	788.16		03/27/18	<0.39	27	1.1	<1.6	7.3	26	<0.20
	789.26		09/11/18	<0.39	34	1.4	<1.6	8.2	32	<0.20
	789.27		03/27/19	<0.39	55	<0.35	<1.6	10	37	4.1
	787.10		09/24/19	<0.39	110	2.7	<1.6	8.9	41	<0.20
	788.96		03/11/20	0.43 "J"	98	2.5	<1.6	9.8	35	4.1
	788.95		09/24/20	0.63 "J"	180	3.3	5.5 L	9.2	47	4.6
	789.04		03/23/21	0.53 "J"	160	3.3	<1.6	8.9	37	2.0
	788.00		09/23/21	0.46 "J"	110	2.6	<1.6	8.6	36	<0.2
	786.87		03/28/22	<0.39	66	<0.35	<1.6	7.4	31	1.0
	787.95		09/28/22	<0.39	47	1.7	<1.6	8.7	31	0.87 "J"
	789.05		03/30/23	<0.39	59	2.3	<1.6	8.8	39	0.72
	789.27		03/28/24	<0.39	33	1.5	<1.6	5.7	21	0.37 "J"
	788.48		10/01/24	<0.48	76	2.5	<3.6	6.6	35	3.3
779.6-789.6	-	MW-3S	11/04/98	<0.36	19	<0.46	<0.26	2.8	14	<0.25
	786.27		12/15/98	<0.36	9.2	<0.46	2.2 "J"	2.8	8.1	0.81 "J"
	787.95		04/25/01	<0.36	1.6 "J"	<0.23	<0.35	0.78 "J"	1.2 "J"	<0.23
	787.56		07/29/02	<0.33	1.9	<0.38	<0.24	0.77	1.6	<0.20
	785.03		03/18/03	<0.17	5.7	<0.16	<0.12	1.3	3.9	0.35
	784.37		09/19/03	<0.17	3.7	<0.16	<0.12	1.4	4.2	0.59 "J"
	784.89		03/29/04	<0.41	7.2	<0.35	<0.43	1.8	6.5	<0.11
	787.04		09/21/04	<0.41	4.5	<0.35	<0.43	1.7	5.3	<0.11
	786.11		03/22/05	<0.41	2.9	<0.35	<0.43	1.1	3.3	<0.11
	785.11		09/26/05	<0.20	5.7	<0.18	<0.25	2.1	7.0	1.1
	785.14		03/29/06	<0.15	4.5	<0.17	<0.36	1.6	4.5	0.53 "J"
	785.67		09/26/06	<0.14	5.2	<0.21	<0.30	2.7	<0.19	<0.17
	787.00		03/21/07	<0.24	1.4	<0.22	<0.40	1.7	3.4	<0.17
	787.69		09/19/07	<0.24	0.40 "J"	<0.22	<0.40	2.4	2.9	<0.17
	-		06/03/08	<0.50	0.82 "J"	<0.50	<1.0	<0.50	1.3	<0.20
	786.89		12/02/08	<0.24	1.4	<0.22	<0.40	0.63 "J"	1.8	<0.17
	787.61		06/29/09	<0.21	2.0	<0.26	<0.48	0.39 "J"	1.5	<0.18
	787.62		06/30/10	<0.7	<0.78	<1.3	<0.47	1.02 "J"	1.39	<0.19
	787.24		08/23/11	<0.20	0.96	<0.19	<0.40	0.76	1.7	<0.15
	785.56		09/12/12	<0.21	2.0	<0.26	<0.48	1.2	3.4	<0.18
	786.73		09/26/13	< 0.4	1.06 "J"	< 0.35	< 0.5	0.39 "J"	1.61	< 0.18
	786.64		09/25/14	<0.4	1.19 "J"	2.83	<0.5	0.77 "J"	2.02	<0.18
	785.27		09/22/15	<0.27	1.07 "J"	<0.27	<0.23	1.32	2.64	<0.20
	786.61		03/27/18	<0.39	0.70 "J"	<0.35	<1.6	0.50 "J"	1.3	<0.20
	787.73		09/11/18	<0.30	<0.41	<0.35	<1.6	0.55 "J"	0.54	<0.20
	788.10		03/27/19	<0.30	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
	785.89		09/25/19	<0.39	0.79 "J"	<0.35	<1.6	0.64 "J"	0.92	<0.20
	787.98		03/11/20	<0.30	<0.41	<0.35	<1.6	0.53 "J"	<0.16	<0.20
	787.75		09/24/20	<0.30	0.97 "J"	<0.35	6.1 L	<0.37	0.65	<0.20
	787.94		03/23/21	<0.30	<0.41	<0.35	<1.6	0.67 "J"	<0.16	<0.20
	786.70		09/23/21	<0.30	1.20	<0.35	<1.7	0.57	0.94	<0.20
	785.63		03/28/22	<0.39	<0.41	<0.35	<1.6	0.87 "J"	0.54	<0.20
	789.71		09/28/22	<0.24	1.2	<0.22	<0.40	0.82 "J"	2.6	<0.20
	787.92		03/30/23	<0.30	<0.41	<0.35	<1.6	0.67	0.34	<0.20
	788.07		03/28/24	<0.39	<0.41	<0.35	<1.6	1.2	0.38 "J"	<0.20
	787.14		10/01/24	<0.48	2.3	<0.44	<3.6	1.3	1.4	<0.20

Table 5: Groundwater Monitoring Well Volatile Organic Compound Laboratory Results, Denow Landfill, Grafton, Wisconsin

Well Screen Interval in feet above sea level	Groundwater Elevation in feet above mean sea level	Well ID	Date Sampled	Relevant and Significant Volatile Organic Compounds (micograms per liter)						
				1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene (TCE)	Vinyl Chloride
		NR 140, Wis. Adm. Code PAL		0.7	7	20	0.5	0.5	0.5	0.02
NR 140, Wis. Adm. Code ES		7	70	100	5	5	5	0.2		
728.7-733.7	-	MW-3D	12/30/98	<0.36		8.30	<1	<0.56	0.9 "J"	
	-		02/08/99	<0.36	72	7.00	<1	<0.56	1.3 "J"	73
	788.04		04/26/01	0.61 "J"	16	7.40	<0.35	<0.25	0.63 "J"	120
	-		04/26/01	0.57 "J"	16	7.20	<0.35	<0.25	0.51 "J"	140
	787.66		07/29/02	<0.33	16	5.60	<0.24	<0.16	0.54 "J"	100
	785.19		03/18/03	<0.33	16	5.0 "J"	<0.24	<0.17	<0.12	89
	784.47		09/19/03	<0.26	16	4.10	<0.12	<0.17	0.50 "J"	74
	785.07		03/29/04	<0.41	16	4.2 "J"	<0.43	<1.6	<0.25	70
	787.22		09/21/04	<2.1	22	4.0 "J"	<2.1	<1.5	<1.2	65
	786.98		03/22/05	<2.1	19	4.8 "J"	<2.1	<1.5	<1.2	100
	785.39		09/26/05	<0.20	17	4.20	<0.25	<0.16	<0.19	86
	785.42		03/29/06	<0.96	16	4.10	<0.92	<0.90	<1.1	95
	785.94		09/26/06	<0.15	7.0	2.6	<0.36	<0.16	0.60 "J"	5.1
	787.29		03/21/07	<0.24	9.9	3.1	<0.40	0.47 "J"	<0.20	85
	787.99		09/19/07	<0.24	31	3.4	<0.40	<0.21	0.34 "J"	68
	-		06/03/08	0.62"J"	94	0.62 "J"	<1.0	<0.50	0.36 "J"	100
	787.21		12/02/08	<1.2	42	3.3 "J"	<2.0	<1.1	<0.99	26
	787.95		06/29/09	<1.0	76	5.80	<2.4	<1.0	<0.84	53
	-		06/29/09	<2.1	76	5.6 "J"	<4.8	<2.1	<1.7	54
	787.94		06/30/10	<0.7	17.9	3.13 "J"	<0.47	<0.43	<0.39	<0.19
	787.51		08/23/11	<0.40	22	3.30	<0.80	<0.29	<0.50	<0.30
	787.02		11/22/11	0.35 "J"	59	3.80	<0.48	<0.21	0.72	20
	787.17		02/22/12	<0.83	41	2.9 "J"	<1.9	<0.82	<0.67	0.81
	787.98		05/21/12	0.42 "J"	65	4.2	<0.80	<0.29	<0.50	38
	785.84		09/12/12	<1.0	60	4.6	<2.4	<1.0	1.1 "J"	29
	785.84		09/12/12	<1.0	59	3.9	<2.0	<0.73	<1.2	27
	784.89		12/19/12	<1.0	48	3.5	<2.0	<0.73	<1.2	12
	786.67		03/21/13	<1.4	32	3.0 "J"	<2.0	<1.1	<1.4	<0.83
	788.14		06/25/13	<1.2	41	3.8"J"	<1.6	<0.86	<1.1	<0.66
	787.08		09/26/13	< 0.4	44	3.7	< 0.5	< 0.33	0.40 "J"	7.2
	786.98		09/25/14	<0.4	29.5	2.83	<0.5	<0.33	0.49 "J"	0.57
	786.04		09/22/15	<0.27	20.1	1.69 "J"	<0.23	<0.27	<0.36	<0.20
	787.12		03/27/18	<0.39	17	1.8	<1.6	<0.37	0.36 "J"	9.7
	788.26		09/11/18	<0.39	52	3.4	<1.6	<0.37	0.34 "J"	46
	788.21		03/27/19	<0.39	45	2.9	<1.6	<0.37	<0.16	8
	786.01		09/25/19	<0.39	37	2.3	<1.6	<0.37	0.29 "J"	0.64 "J"
	787.13		03/11/20	<0.39	42	2.2	<1.6	<0.37	0.22 "J"	<0.20
	787.88		09/24/20	<0.39	69	2.9	6.3 L	<0.37	<0.16	8.2
	788.05		03/23/21	<0.39	48	2.1	<1.6	<0.37	0.24 "J"	4.4
	786.84		09/23/21	<0.39	32	1.7	<1.6	<0.37	0.27	<0.20
	785.65		03/28/22	4.1	32	1.4	<1.6	<0.37	0.17 "J"	0.25 "J"
	786.92		09/28/22	<0.39	38	2.0	<1.6	<0.37	0.32 "J"	0.62 "J"
	788.01		03/30/23	<0.39	58	3.0	<1.6	<0.37	<0.16	28
	788.24		03/28/24	<0.39	28	1.2	<1.6	<0.37	<0.16	0.54 "J"
	787.30		10/01/24	<0.48	25	1.4	<3.6	<0.39	<0.15	<0.20
704.2-709.2	-	MW-3B1	06/04/08	2	260	2.00	<0.50	<0.50	0.96	150
	-		12/02/08	1.7	220	6.50	<0.40	<0.21	0.8	140
	-		12/02/08	<2.4	220	4.3 "J"	<4.0	<2.1	<2.0	130
	787.34		06/29/09	<2.1	300	8.6 "J"	<4.8	<2.1	<1.7	10
	787.34		06/30/10	<0.7	670	19.5 "J"	<0.47	<0.43	1.72	308
	786.96		08/23/11	<5.0	790	29.00	<10	<3.7	<6.2	570
	-		11/22/11	<17	610	<21	<38	<16	<13	320
	-		11/22/11	<17	710	23 "J"	<38	<16	<13	390
	786.59		02/22/12	<10	820	<9.1	<24	<10	<8.4	620
	787.28		05/21/12	<16	960	36 "J"	<32	<12	<20	650
	785.15		09/12/12	<10	820	30 "J"	<24	<10	<8.4	430
	785.15		09/12/12	<10	760	25 "J"	<20	<7.3	<12	460
	784.15		12/19/12	<16	860	26 "J"	<32	<12	<20	520
	786.00		03/21/13	<23	670	27 "J"	<32	<17	<22	420
	787.42		06/25/13	<23	950	33"J"	<32	<17	<22	600
	787.42		06/25/13	<23	910	28"J"	<32	<17	<22	560
	786.30		09/26/13	4.0 "J"	750	23.5	< 5.0	< 3.3	< 3.3	560
	786.15		09/25/14	5.3 "J"	970	18.8	<5.0	<3.3	<3.3	380
	786.15		09/25/14	6.2 "J"	740	22.7	<5.0	<3.3	<3.3	410
	785.19		09/22/15	<14	663	17.6 "J"	<12	<13	<9.1	440
	785.19		09/22/15	<14	750	19 "J"	<12	<13	<9.1	500
	786.35		03/27/18	3.2	420	4.1	<1.6	<0.37	<0.16	430

Table 5: Groundwater Monitoring Well Volatile Organic Compound Laboratory Results, Denow Landfill, Grafton, Wisconsin

Well Screen Interval in feet above sea level	Groundwater Elevation in feet above mean sea level	Well ID	Date Sampled	Relevant and Significant Volatile Organic Compounds (micograms per liter)						
				1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene (TCE)	Vinyl Chloride
		NR 140, Wis. Adm. Code PAL		0.7	7	20	0.5	0.5	0.5	0.02
		NR 140, Wis. Adm. Code ES		7	70	100	5	5	5	0.2
	787.53	MW-3B1 continued	09/11/18	3.8	580	14.0	<1.6	<0.37	0.17 "J"	480
	787.57		03/27/19	2.7	500	14.0	<1.6	<0.37	0.20 "J"	170
	787.22		09/25/19	3.7	520	13.0	<1.6	<0.37	0.18 "J"	360
	787.50		03/11/20	3.4	640	12.0	<1.6	<0.37	<0.16	390
	787.12		09/24/20	4.3	630	15.0	<1.7	<0.37	<0.16	380
	787.26		03/23/21	3.3	450	11.0	<1.6	<0.37	0.17 "J"	340
	786.05		09/23/21	4.6	570	14.0	<1.6	<0.37	0.21	390
	784.91		03/28/22	2.6	310	4.6	<1.6	<0.39	<0.16	200
	785.89		09/28/22	<0.39	39	0.59 "J"	<1.6	<0.39	<0.16	28
	785.89		09/28/22	<0.39	39	0.65 "J"	<1.6	<0.39	0.17 "J"	29
	787.30		03/30/23	3.1	430	4.2	<1.6	<0.39	0.25	280
	787.19		03/28/24	<0.39	28	<0.35	<1.6	<0.37	<0.16	14
	787.19		03/28/24	<0.39	27	<0.35	2.1 "JB"	<0.37	<0.16	13
	786.29		10/01/24	<0.48	18	<0.44	<3.6	<0.39	<0.15	11
667.3-672.3	-	MW-3B2	06/04/08	<0.50	4.9	<0.50	<1.0	<0.50	<0.20	4
	-		12/02/08	<0.24	8.9	3.90	<0.40	<0.21	0.54 "J"	40
	786.88		06/29/09	<0.21	2.8	<0.26	<0.48	<0.21	1.6	<0.18
	786.73		06/30/10	<0.7	6.2	1.82 "J"	<0.47	<0.43	<0.39	21.3
	786.32		08/23/11	<0.2	15	1.90	<0.40	<0.15	<0.25	32
	785.98		11/22/11	<1.0	36	1.5 "J"	<2.4	<1.0	<0.84	50
	786.09		02/22/12	<0.83	20	2.4 "J"	<1.9	<0.82	<0.67	52
	786.62		05/21/12	<0.50	47	1.6 "J"	<1.0	<0.37	<0.62	60
	786.62		05/21/12	0.45 "J"	48	1.50	<0.40	<0.15	<0.25	58
	784.55		09/12/12	1.1	65	2.60	<0.48	<0.21	<0.17	63
	783.60		12/19/12	<1.0	61	2.4 "J"	<2.0	<0.73	<1.2	54
	785.52		03/21/13	<1.4	31	2.3 "J"	<2.0	<1.1	<1.4	51
	786.97		06/25/13	<0.58	17	1.9 "J"	<0.80	<0.43	<0.55	9.4
	785.77		09/26/13	1.4	146	3.09	<0.5	<0.33	<0.33	118
	785.67		09/25/14	1.76	230	5.60	<0.5	<0.33	0.41 "J"	161
	785.14		09/22/15	<1.4	89	2.51 "J"	<1.2	<1.3	<0.91	3.52
	785.96		03/27/18	2.90	390	5.1	<1.6	<0.37	0.30 "J"	250
	785.96		03/27/18	3.7	410	6.6	<1.6	<0.37	0.32 "J"	280
	787.14		09/11/18	2.3	330	4.8	<1.6	<0.37	0.24 "J"	240
	787.14		09/11/18	2.1	280	4.0	<1.6	<0.37	<0.16	230
	787.22		03/27/19	<0.39	170	2.5	<1.6	<0.37	<0.16	36
	786.88		09/25/19	1.4	190	3.3	<1.6	<0.37	<0.16	130
	786.88		09/25/19	1.3	190	3.4	<1.6	<0.37	<0.16	98
	787.19		03/11/20	0.45 "J"	53	1.9	<1.6	<0.37	<0.16	37
	787.19		03/11/20	0.47 "J"	69	2.4	<1.6	<0.37	<0.16	49
	786.75		09/24/20	1.6	190	3.8	4.6 "JB" L	<0.37	0.23 "J"	150
	786.75		09/24/20	1.8	210	4.1	4.7 "JB" L	<0.37	0.29 "J"	160
	786.93		03/23/21	1.5	200	3.2	<1.6	<0.37	0.22 "J"	150
	786.93		03/23/21	1.7	190	3.7	<1.6	<0.37	0.24 "J"	160
	785.42		09/23/21	2.8	340	4.2	<1.6	<0.37	0.24	220
	784.91		03/28/22	3.9	700	13.0	<1.6	<0.37	<0.16	500
	785.95		09/28/22	5.1	720	17.0	<1.6	<0.37	<0.16	520
	785.81		03/30/23	3.7	600	11.0	<1.6	<0.37	<0.16	380
	787.28		03/28/24	4.0	540	12.0	2.1 "JB"	<0.37	<0.16	320
	786.37		10/01/24	3.1	390	9.2	<3.6	<0.39	<0.15	310
	786.37		10/01/24	3.5	480	8.7	<3.6	<0.39	<0.15	300
786.5-796.5	-	MW-4S	11/11/98	<0.36	<0.34	<0.46	<0.26	<0.56	<0.39	<0.32
	787.64		12/15/98	<0.36	<0.34	<0.46	1.5 "J"	<0.56	<0.39	<0.32
	796.56		04/25/01	<0.36	<1	<0.23	<0.35	<0.25	<0.36	<0.23
	793.06		08/23/11	<0.21	<0.20	<0.26	<0.48	<0.25	<0.17	<0.18
	788.79		09/12/12	<0.21	<0.20	<0.26	<0.48	<0.21	<0.17	<0.18
	790.37		09/26/13	<0.4	<0.38	<0.35	<0.5	<0.33	<0.33	<0.18
	790.34		09/25/14	<0.4	<0.38	<0.35	<0.5	<0.33	<0.33	<0.18
	792.84		09/23/15	<0.27	<0.26	<0.27	<0.23	<0.27	<0.18	<0.20
734.8-739.8	-	MW-4D	11/11/98	<0.36	1.5	<0.46	<0.26	<0.56	<0.39	<0.32
	786.26		12/15/98	<0.36	1.8	<0.46	4.9	<0.56	<0.39	<0.32
	788.16		04/25/01	<0.36	1.9 "J"	0.36 "J"	<0.35	<0.25	<0.36	<0.23
	787.60		08/23/11	<0.21	2.6	<0.26	<0.48	<0.21	0.71	<0.18
	787.25		02/22/12	<0.21	2.3	0.29	<0.48	<0.21	0.57 "J"	<0.18
	785.94		09/11/12	<0.21	2.0	<0.26	<0.48	<0.21	0.65	<0.18
	786.76		03/21/13	<0.29	3.0	<0.32	<0.40	<0.22	0.53 "J"	0.67
	787.16		09/26/13	<0.4	2.55	<0.35	<0.5	<0.33	0.48 "J"	0.32 "J"

Table 5: Groundwater Monitoring Well Volatile Organic Compound Laboratory Results, Denow Landfill, Grafton, Wisconsin

Well Screen Interval in feet above sea level	Groundwater Elevation in feet above mean sea level	Well ID	Date Sampled	Relevant and Significant Volatile Organic Compounds (micograms per liter)						
				1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene (TCE)	Vinyl Chloride
		NR 140, Wis. Adm. Code PAL		0.7	7	20	0.5	0.5	0.5	0.02
		NR 140, Wis. Adm. Code ES		7	70	100	5	5	5	0.2
	-	MW-4D continued	03/25/14	<0.4	2.9	<0.35	<0.5	<0.33	0.68"J"	<0.18
	788.30		09/11/18	<0.39	2	<0.35	<1.6	<0.37	0.35 "J"	<0.20
	788.04		09/25/19	<0.39	1.4	<0.35	<1.6	<0.37	0.18 "J"	<0.20
	787.97		09/24/20	<0.39	0.75 "J"	<0.35	4.5 "J B" L	<0.37	<0.16	<0.20
	787.01		09/22/21	<0.39	0.88	<0.35	<1.6	<0.37	0.34	<0.20
	786.99		09/28/22	<0.39	0.91 "J"	<0.35	<1.6	<0.37	0.34 "J"	<0.20
	787.50		10/01/24	<0.48	0.51 "J"	<0.44	<3.6	<0.39	0.21 "J"	<0.20
785.5-795.5	-	MW-5S	11/11/98	<0.36	<0.34	<0.46	<0.26	<0.56	<0.39	<0.32
	794.55		12/15/98	<0.36	<0.34	<0.46	9.4	<0.56	<0.39	<0.32
	795.94		04/25/01	<0.36	<1	<0.23	<0.35	<0.25	<0.36	<0.23
	-		06/11/08	<0.50	<0.50	<0.50	<1.0	<0.50	<0.20	<0.20
	794.63		08/23/11	<0.21	<0.20	<0.26	<0.48	<0.21	<0.17	<0.18
	785.92		09/22/15	<0.27	<0.26	<0.27	<0.23	<0.27	<0.18	<0.20
739.8-749.8	-	MW-5D	11/11/98	<0.36	<0.34	<0.46	<0.26	<0.56	<0.39	<0.32
	-		11/11/98	<0.36	<0.45	<0.26	<0.26	<0.56	<0.39	<0.32
	781.84		12/15/98	<0.36	<0.34	<0.46	<1	<0.56	<0.39	<0.32
	785.30		04/25/01	<0.36	<1	<0.23	<0.35	<0.25	<0.36	<0.23
	783.24		07/29/02	<0.33	<0.20	<0.38	<0.24	<0.16	<0.17	<0.20
	780.41		03/18/03	<0.17	<0.22	<0.16	<0.12	<0.17	<0.12	<0.10
	780.00		09/19/03	<0.17	<0.22	<0.16	<0.12	<0.17	<0.12	<0.10
	780.93		03/29/04	<0.41	<0.40	<0.35	<0.43	<0.20	<0.25	<0.11
	782.53		09/21/04	<0.41	<0.40	<0.35	<0.43	<0.31	<0.25	<0.11
	783.10		03/22/05	<0.41	<0.40	<0.35	<0.43	<0.31	<0.25	<0.11
	780.55		09/26/05	<0.20	<0.18	<0.18	<0.25	<0.16	<0.19	<0.20
	781.36		03/29/06	<0.19	<0.20	<0.17	<0.18	<0.18	<0.21	<0.17
	781.41		09/26/06	<0.15	<0.19	<0.17	<0.36	<0.16	<0.30	<0.20
	785.34		03/21/07	<0.24	<0.21	<0.22	<0.40	<0.21	<0.20	<0.17
	785.43		09/19/07	<0.24	<0.21	<0.22	<0.40	<0.21	<0.20	<0.17
	-		06/10/08	<0.20	<0.50	<0.50	<1.0	<0.20	<0.20	<0.20
	782.61		12/02/08	<0.24	<0.21	<0.22	<0.40	<0.21	<0.21	<0.17
	784.29		06/29/09	<0.21	<0.20	<0.26	<0.48	<0.21	<0.17	<0.18
	784.48		06/30/10	<0.7	<0.78	<1.3	<0.47	<0.43	<0.39	<0.19
	783.44		08/23/11	<0.21	<0.20	<0.26	<0.48	<0.21	<0.17	<0.18
	781.12		09/11/12	<0.21	<0.20	<0.26	<0.48	<0.21	<0.17	<0.18
	782.50		09/26/13	< 0.4	< 0.38	< 0.35	< 0.5	< 0.33	< 0.33	< 0.18
	782.24		09/24/14	<0.4	<0.38	<0.35	<0.5	<0.33	<0.33	<0.18
	781.70		09/22/15	<0.27	<0.26	<0.27	<0.23	<0.27	<0.18	<0.20
	782.35		09/29/22	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
781.9-791.9	-	MW-6S	11/11/98	<0.36	<0.34	<0.46	<0.26	<0.56	<0.52	<0.67
	788.31		12/15/98	<0.36	<0.34	<0.46	<1	<0.56	<0.39	<0.32
	789.81		04/25/01	<0.36	<1	<0.23	<0.35	<0.25	<0.36	<0.23
	-		06/10/08	<0.50	<0.50	<0.50	<1.0	<0.50	<0.20	<0.20
	788.88		08/23/11	<0.21	<0.20	<0.26	<0.48	<0.21	<0.17	<0.18
	788.11		09/22/15	<0.27	<0.26	<0.27	<0.23	<0.27	<0.18	<0.20
	788.52		09/29/22	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
	788.99		10/01/24	<0.48	<0.42	<0.44	<3.6	<0.39	<0.15	<0.20
700.8-705.8	-	MW-6D	11/11/98	<0.36	<0.34	<0.46	<0.26	2.2	<0.52	<0.67
	779.39		12/15/98	<0.36	<0.34	<0.46	<1	<0.56	<0.39	1.5
	781.66		04/25/01	<0.36	<1	<0.23	<0.35	<0.25	<0.36	<0.23
	780.88		07/29/02	<0.33	<0.20	<0.38	<0.24	<0.16	<0.17	0.26"J"
	778.88		03/18/03	<0.17	0.32 "J"	<0.16	<0.12	<0.17	<0.12	2.5
	778.36		09/19/03	<0.17	0.36 "J"	<0.16	<0.12	<0.17	<0.12	2.4
	780.18		03/29/04	<0.41	0.35 "J"	<0.35	<0.43	<0.31	<0.25	1.9
	780.48		09/21/04	<0.41	<0.40 "J"	<0.35	<0.43	<0.31	<0.25	2.3
	780.95		03/22/05	<0.41	0.46 "J"	<0.35	<0.43	<0.31	<0.25	3.0
	778.67		09/26/05	<0.20	0.37 "J"	<0.18	<0.25	<0.16	<0.19	1.9
	780.11		03/29/06	<0.19	0.48 "J"	<0.17	<0.18	<0.18	<0.21	2.7
	779.47		09/26/06	<0.15	<0.19	<0.17	<0.36	<0.16	<0.30	<0.20
	781.28		03/21/07	<0.24	0.33 "J"	<0.22	<0.40	<0.21	<0.20	2.3
	781.52		09/19/07	<0.24	<0.21	<0.22	<0.40	<0.21	<0.20	0.83
	-		06/10/08	<0.50	<0.50	<0.50	<1.0	<0.50	<0.20	2.40
	780.98		12/02/08	<0.24	<0.21	<0.22	<0.40	<0.21	<0.21	<0.17
	781.72		06/29/09	<0.21	0.32 "J"	<0.26	<0.48	<0.21	<0.17	1.6
	781.76		06/30/10	<0.7	<0.78	<1.3	<0.47	<0.43	<0.39	1.9
	781.24		08/23/11	<0.21	0.53 "J"	<0.26	<0.48	<0.21	<0.17	3.0
	781.44		02/22/12	<0.21	0.56 "J"	<0.26	<0.48	<0.21	<0.17	3.5

Table 5: Groundwater Monitoring Well Volatile Organic Compound Laboratory Results, Denow Landfill, Grafton, Wisconsin

Well Screen Interval in feet above sea level	Groundwater Elevation in feet above mean sea level	Well ID	Date Sampled	Relevant and Significant Volatile Organic Compounds (micograms per liter)						
				1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene (TCE)	Vinyl Chloride
		NR 140, Wis. Adm. Code PAL		0.7	7	20	0.5	0.5	0.5	0.02
		NR 140, Wis. Adm. Code ES		7	70	100	5	5	5	0.2
	779.30	MW-6D continued	09/11/12	<0.21	0.25 "J"	<0.26	<0.48	<0.21	0.17 "J"	0.68
	779.14		12/19/12	<0.20	0.59 "J"	<0.19	<0.40	<0.15	<0.25	2.6
	781.07		03/20/13	<0.29	0.62	<0.32	<0.40	<0.22	<0.27	2.6
	782.19		06/25/13	<0.29	0.74	<0.32	<0.40	<0.22	<0.27	3
	780.64		09/26/13	< 0.4	0.83 "J"	< 0.35	< 0.5	< 0.33	< 0.33	3.8
	780.62		03/25/14	<0.4	0.64 "J"	<0.35	<0.5	<0.33	<0.33	2.55
	780.62		03/25/14	<0.4	0.73 "J"	<0.35	<0.5	<0.33	<0.33	2.41
	780.56		09/24/14	<0.4	0.44 "J"	<0.35	<0.5	<0.33	<0.33	2.20
	780.37		09/22/15	<0.27	0.758 "J"	<0.27	<0.23	<0.27	<0.18	2.53
	781.33		03/27/18	<0.39	1.1	<0.35	<1.6	<0.37	<0.16	2.4
	782.16		09/11/18	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	2.4
	782.56		03/27/19	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	1.3
	780.02		09/24/19	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
	782.40		03/11/20	<0.39	0.48 "J"	<0.35	<1.6	<0.37	<0.16	<0.20
	781.95		09/23/20	<0.39	0.61 "J"	<0.36	<1.7	<0.37	<0.16	0.89 "J"
	781.98		03/23/21	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
	780.97		09/23/21	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
	780.60		03/28/22	<0.39	0.77 "J"	<0.35	<1.6	<0.37	<0.16	0.73 "J"
	781.35		09/28/22	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
	782.43		03/30/23	<0.39	1.6	<0.35	<1.6	<0.37	<0.16	1.4
	782.21		03/28/24	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	0.22 "J"
	781.35		10/01/24	<0.48	<0.42	<0.44	<3.6	<0.39	<0.15	<0.20
685.9-690.9	780.88	MW-6B	07/29/02	<0.33	0.24 "J"	<0.38	<0.24	<0.16	<0.17	2.5
	778.90		03/18/03	<0.17	0.77	<0.16	<0.12	<0.17	<0.12	4.9
	778.39		09/19/03	<0.17	1.1	<0.16	<0.12	<0.17	<0.12	7.2
	780.20		03/29/04	<0.41	5.4	<0.35	<0.43	<0.31	<0.25	9.1
	780.50		09/21/04	<0.41	0.64 "J"	<0.35	<0.43	<0.31	<0.25	5.7
	780.96		03/22/05	<0.41	1.8	<0.35	<0.43	<0.31	<0.25	9.6
	778.68		09/26/05	<0.20	0.30 "J"	<0.18	<0.25	<0.16	<0.19	0.42 "J"
	780.13		03/29/06	<0.19	5.2	<0.17	<0.18	<0.18	<0.21	9.8
	779.61		09/26/06	<0.15	0.33 "J"	<0.17	<0.36	<0.16	<0.30	0.68 "J"
	781.37		03/21/07	<0.24	1.8	<0.22	<0.40	<0.21	<0.20	11
	781.53		09/19/07	<0.24	<0.21	<0.22	<0.40	<0.21	<0.20	0.35 "J"
	-		06/10/08	<0.50	0.56 "J"	<0.50	<1.0	<0.50	<0.20	6
	780.98		12/02/08	<0.24	<0.21	<0.22	<0.40	<0.21	<0.21	<0.17
	781.71		06/29/09	<0.21	0.42 "J"	<0.26	<0.48	<0.21	<0.17	4.1
	781.75		06/30/10	<0.7	<0.78	<1.3	<0.47	<0.43	<0.39	0.36 "J"
	781.24		08/23/11	<0.21	<0.20	<0.26	<0.48	<0.21	<0.17	0.24 "J"
	781.44		02/22/12	<0.21	1.9	<0.26	<0.48	<0.21	<0.17	11
	779.30		09/11/12	<0.20	<0.21	<0.19	<0.40	<0.15	<0.25	<0.15
	779.16		12/19/12	<0.20	0.33 "J"	<0.19	<0.40	<0.15	<0.25	2
	781.07		03/20/13	<0.29	0.41	<0.32	<0.40	<0.22	<0.27	0.62
	782.23		06/25/13	<0.29	0.28 "J"	<0.32	<0.40	<0.22	<0.27	<0.17
	780.65		09/26/13	< 0.4	1.13 "J"	< 0.35	< 0.5	< 0.33	< 0.33	7.8
	780.61		03/25/14	<0.4	3.80	<0.35	<0.5	<0.33	<0.33	6.4
	780.58		09/24/14	<0.4	<0.38	<0.35	<0.5	<0.33	<0.33	0.42 "J"
	780.36		09/22/15	<0.27	2.55	<0.27	<0.23	<0.27	<0.18	11.3
	781.32		03/27/18	<0.39	1.1	<0.35	<1.6	<0.37	<0.16	3.8
	782.17		09/11/18	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
	782.55		03/27/19	<0.39	2.3	<0.35	<1.6	<0.37	<0.16	6.1
	780.03		09/24/19	<0.39	<0.41	<0.35	<1.5	<0.37	<0.16	<0.20
	780.03		09/24/19	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
	782.40		03/11/20	<0.39	0.44 "J"	<0.35	<1.6	<0.37	<0.16	1.4
	781.95		09/23/20	<0.39	0.41 "J"	<0.36	3.7 "J" L	<0.37	<0.16	1.4
	781.95		09/23/20	<0.39	0.47 "J"	<0.37	<1.8	<0.37	<0.16	1.4
	782.02		03/23/21	<0.39	0.66 "J"	<0.35	<1.6	<0.37	<0.16	0.75 "J"
	780.97		09/23/21	<0.39	1.8	<0.35	<1.6	<0.37	<0.16	5.1
	780.58		03/28/22	<0.39	<0.41	<0.25	<1.6	<0.37	<0.16	<0.20
	781.11		09/28/22	<0.39	1.4	<0.35	<1.6	<0.37	<0.16	0.80 "J"
	782.26		03/30/23	<0.39	1.3	<0.35	<1.6	<0.37	<0.16	2.6
	782.22		03/28/24	<0.39	0.71 "J"	<0.35	2.4 "J" B	<0.37	<0.16	1.1
	781.35		10/01/24	<0.48	0.70 "J"	<0.44	<3.6	<0.39	<0.15	0.48 "J"
777.2-787.2	-	MW-7S	11/11/98	<0.36	<0.34	<0.46	<0.26	<0.56	<0.39	<0.32
	782.18		12/15/98	<0.36	<0.34	<0.46	<1	<0.56	<0.39	<0.32
	784.94		04/25/01	<0.36	<1	<0.23	<0.35	<0.25	<0.36	<0.23
	784.64		07/17/08	<0.50	<0.50	<0.50	<1.0	<0.50	<0.20	<0.20
	782.16		09/22/15	<0.27	<0.26	<0.27	<0.23	<0.27	<0.18	<0.20
	782.47		09/29/22	<0.39	0.71 "J"	<0.35	<1.6	<0.37	<0.16	<0.20

Table 5: Groundwater Monitoring Well Volatile Organic Compound Laboratory Results, Denow Landfill, Grafton, Wisconsin

Well Screen Interval in feet above sea level	Groundwater Elevation in feet above mean sea level	Well ID	Date Sampled	Relevant and Significant Volatile Organic Compounds (micograms per liter)						
				1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloro-ethene	Trichloro-ethene (TCE)	Vinyl Chloride
		NR 140, Wis. Adm. Code PAL		0.7	7	20	0.5	0.5	0.5	0.02
		NR 140, Wis. Adm. Code ES		7	70	100	5	5	5	0.2
721.1-726.1	-	MW-7D	11/11/98	<0.36	<0.34	<0.46	<0.26	<0.56	<0.39	<0.32
	776.40		12/15/98	<0.36	<0.34	<0.46	7.2	<0.56	<0.39	<0.32
	779.04		04/25/01	<0.36	<1	<0.23	<0.35	<0.25	<0.36	<0.23
	779.68		07/17/08	<0.50	<0.50	<0.50	<1.0	<0.50	<0.20	<0.20
	778.12		08/23/11	<0.21	<0.20	<0.26	<0.48	<0.21	<0.17	<0.18
	777.19		09/22/15	<0.27	<0.26	<0.27	<0.23	<0.27	<0.18	<0.20
	777.82		09/29/22	<0.39	0.71 "J"	<0.35	<1.6	<0.37	<0.16	<0.20
772.7-787.7	788.67	MW-8S	07/29/02	<0.13	4.2	0.19"J"	<0.24	19	22	<0.18
	788.67		07/29/02	<0.13	4.4	0.20"J"	<0.24	19	23	<0.18
	786.29		03/18/03	<0.17	1.8	<0.16	<0.12	18	26	<0.10
	785.61		09/19/03	<0.17	2.4	<0.16	<0.12	25	41	<0.10
	786.13		03/29/04	<0.41	12	0.99 "J"	<0.43	33	65	<0.11
	788.29		09/21/04	<1.6	7.5	<1.4	<1.7	16	29	<0.42
	788.06		03/22/05	<1.0	2.0 "J"	<0.87	<1.1	21	27	<0.27
	786.47		09/26/05	<0.20	1.8 "J"	<0.18	<0.25	22	<0.19	<0.20
	786.49		03/29/06	<0.60	2.4 "J"	<0.68	<1.4	27	38	<0.78
	787.03		09/26/06	<0.15	1.8	<0.17	<0.36	22	26	<0.20
	788.38		03/21/07	<0.48	1.8	<0.44	<0.80	27	37	<0.34
	789.09		09/19/07	<0.24	5.0	<0.22	<0.40	<0.21	22	<0.17
	-		06/11/08	<0.50	19	0.63 "J"	<1.0	20	42	1.4
	788.28		12/02/08	<0.48	22	0.47 "J"	<0.80	23	68	1.1 "J"
	789.01		06/29/09	<0.83	5.6	<1.0	<1.9	17	34	<0.74
	789.04		06/30/10	<0.7	5.0	<1.3	<0.47	20.2	38	<0.19
	788.60		08/23/11	<0.83	8.8	<1.0	<1.9	21	60	<0.74
	788.25		02/22/12	<0.83	5.9	<1.0	<1.9	21	53	<0.74
	786.94		09/12/12	<1.0	3.0 "J"	<0.97	<2.0	19	45	<0.75
	787.76		03/21/13	<0.43	2.1	<0.46	<1.0	18	24	<0.28
	788.15		09/26/13	<0.4	3.03	<0.35	<0.5	16.6	33	<0.18
	788.05		09/25/14	<0.4	0.94 "J"	<0.35	<0.5	13.7	21.1	<0.18
	787.94		09/23/15	<0.27	0.397 "J"	<0.27	<0.23	18.9	15.2	<0.20
	788.18		03/27/18	<0.39	2.8	<0.35	<1.6	16	22	<0.20
	789.28		09/11/18	<0.39	2.4	<0.35	<1.6	26	25	<0.20
	789.27		03/27/19	<0.39	<0.41	<0.35	<1.6	21	16	<0.20
	789.03		09/25/19	<0.39	0.99 "J"	<0.35	<1.6	14	9.5	<0.20
	789.29		03/11/20	<0.39	2.0	<0.35	<1.6	34	14	0.21 "J"
	788.96		09/24/20	<0.39	1.1	<0.35	3.3 "J" L	20	11	<0.20
	789.10		03/23/21	<0.39	1.1	<0.35	<1.6	19	10	<0.20
	788.01		09/23/21	<0.39	1.1	<0.35	<1.6	20	11	<0.20
	786.84		03/28/22	<0.39	<0.41	<0.35	<1.6	19	10	<0.20
	787.99		09/29/22	<0.39	0.62 "J"	<0.35	<1.6	26	14	<0.20
	789.27		03/30/23	<0.39	<0.41	<0.35	<1.6	23	12	<0.20
	789.27		03/28/24	<0.39	1.2	<0.35	2.4 "J B"	20	14	<0.20
	788.49		10/01/24	<0.48	2.3	<0.44	<3.6	15	8.9	<0.20
729.4-734.4	788.67	MW-8B	07/29/02	1.3	360	15.00	<0.24	3.4	7.0	130
	786.27		03/18/03	<0.17	250	<0.16	<0.12	<0.17	4.9	100
	785.59		09/19/03	0.77 "J"	200	9.20	ND	1.2	4.3	74
	785.59		09/19/03	0.83 "J"	200	9.70	ND	1.3	4.8	83
	786.11		03/29/04	<0.41	160	8.3 "J"	<0.43	<6.1	<0.25	87
	786.11		03/29/04	<0.41	150	7.7 "J"	<0.43	<0.31	<0.25	82
	788.28		09/21/04	<8.2	150	9.3 "J"	<8.5	6.2 "J"	9.4 "J"	82
	788.05		03/22/05	<5.1	140	11 "J"	<5.3	<3.8	<3.1	89
	788.05		03/22/05	<5.1	120	8.5 "J"	<5.3	<3.8	4.8 "J"	70
	786.45		09/26/05	<0.20	140	9.7 "J"	<0.25	6.0 "J"	<0.19	59
	786.45		09/26/05	0.66	130	8.6	<0.25	1.4	3.7	55
	786.48		03/29/06	<1.5	100	8.0	<3.6	<1.6	<3.0	73
	786.48		03/29/06	1.6 "J"	100	7.6	<3.6	<1.6	3.1 "J"	67
	787.01		09/26/06	<1.5	120	8.2	<3.6	<1.6	3.7 "J"	63
	788.37		03/21/07	<2.4	110	4.6 "J"	<4.0	<2.1	4.6 "J"	49
	788.37		03/21/07	<2.4	140	5.5 "J"	<4.0	<2.1	4.8 "J"	59
	789.08		09/19/07	<0.24	79	5.1 "J"	<0.40	2.9 "J"	4.0 "J"	50
	789.08		09/19/07	<0.24	80	5.5 "J"	<0.40	2.9 "J"	4.1 "J"	49
	-		06/11/08	<0.50	78	6.7	<1.0	5.1	5	64
	788.26		12/02/08	<0.96	48	4.5	<1.6	2.2 "J"	3.8	<0.68
	789.00		06/29/09	<1.0	48	5.5	<2.4	<1.0	2.6 "J"	33
	789.05		06/30/10	<0.7	42	4.7	<0.47	<0.43	0.99 "J"	32
	788.58		08/23/11	<0.52	23	2.8	<1.2	0.61 "J"	1.6	0.56 "J"
	788.58		08/23/11	<0.42	24	3.0	<0.96	0.63 "J"	1.6	0.45 "J"

Table 5: Groundwater Monitoring Well Volatile Organic Compound Laboratory Results, Denow Landfill, Grafton, Wisconsin

Well Screen Interval in feet above sea level	Groundwater Elevation in feet above mean sea level	Well ID	Date Sampled	Relevant and Significant Volatile Organic Compounds (micograms per liter)						
				1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene (TCE)	Vinyl Chloride
		NR 140, Wis. Adm. Code PAL		0.7	7	20	0.5	0.5	0.5	0.02
		NR 140, Wis. Adm. Code ES		7	70	100	5	5	5	0.2
	786.92	MW-8B continued	09/12/12	<1.0	38	3.1 "J"	<2.0	<0.73	1.8 "J"	18
	788.14		09/26/13	< 0.4	27.9	2.65	< 0.5	1.12	2.14	7.0
	788.04		09/23/14	<0.4	53	4.4	<0.5	<0.33	1.05	31.1
	787.42		09/23/15	<0.27	16.7	2.8	<0.23	0.536 "J"	0.965	1.89
	788.19		03/27/18	<0.39	36	2.3	<1.6	0.82 "J"	2.9	22
	788.27		09/11/18	<0.35	26	2.1	<1.6	0.70 "J"	0.86	23
	789.29		03/27/19	<0.39	29	2.6	<1.6	<0.37	<0.16	10
	787.14		09/25/19	<0.39	10	1.5	<1.6	<0.37	<0.16	15
	789.26		03/11/20	<0.39	15	1.9	<1.6	<0.37	0.67	15
	788.96		09/24/20	<0.39	17	2.0	3.4 "J" L	<0.37	0.52	20
	789.14		03/23/21	<0.39	18	2.2	<1.6	<0.37	0.49 "J"	27
	788.00		09/23/21	<0.39	21	2.0	<1.6	<0.37	0.57	17
	786.84		03/28/22	<0.39	30	1.9	<1.6	<0.37	0.84	14
	788.02		09/29/22	<0.39	20	2.1	<1.6	<0.37	0.74	20
	789.22		03/30/23	<0.39	17	1.3	<1.6	<0.37	<0.16	20
	789.29		03/28/24	<0.39	18	1.6	2.2 "J B"	0.56 "J"	1.0	19
	788.49		10/01/24	<0.48	13	1.9	<3.6	<0.39	0.55	25
778.6-788.6	-	MW-9S	06/05/08	<0.50	<0.50	<0.50	<1.0	<0.50	<0.20	<0.20
	-		12/02/08	<0.24	<0.21	<0.22	<0.40	<0.21	<0.21	<0.17
	787.43		06/29/09	<0.21	<0.20	<0.26	<0.48	<0.21	<0.17	<0.18
	787.66		06/30/10	<0.7	<0.78	<1.3	<0.47	<0.43	<0.39	<0.19
	787.08		08/23/11	<0.21	<0.20	<0.26	<0.48	<0.21	<0.17	<0.18
	784.83		09/11/12	<0.21	0.25 "J"	<0.26	<0.48	<0.21	<0.17	<0.18
	786.21		09/26/13	< 0.4	< 0.38	< 0.35	< 0.5	< 0.33	< 0.33	< 0.18
	786.07		09/24/14	<0.4	<0.38	<0.35	<0.5	<0.33	<0.33	<0.18
	786.63		09/22/15	<0.27	<0.26	<0.27	<0.23	<0.27	<0.18	<0.20
	788.29		09/11/18	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
	786.05		09/24/19	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
	787.67		09/23/20	<0.39	<0.41	<0.35	3.8 "J" L	<0.37	<0.16	<0.20
	786.73		09/22/21	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
	787.04		09/28/22	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
	787.03		10/01/24	<0.48	<0.42	<0.44	<3.6	<0.39	<0.15	<0.20
694.4-698.4	-	MW-9B	06/10/08	<0.50	13	<0.50	<1.0	<0.50	1.4	2.3
	-		12/02/08	<0.34	16	<0.47	<0.40	<0.31	1.4	3.0
	787.43		06/29/09	<0.52	30	<0.65	<1.2	<0.52	3.2	5.1
	787.66		06/30/10	<0.7	25.9	<1.3	<0.47	<0.43	3.06	4.2
	787.08		08/23/11	<0.52	17	<0.65	<1.2	<0.52	2.2	<0.46
	787.08		08/23/11	<0.21	14	<0.26	<0.48	<0.21	2.0	<0.18
	787.47		11/22/11	<0.42	21	<0.52	12	<0.41	2.2	2.9
	787.65		02/22/12	<0.42	27	<0.52	<0.96	<0.41	2.5	1.4
	787.60		05/21/12	<0.40	28	0.41 "J"	<0.80	<0.29	3.7	<0.30
	785.47		09/11/12	<0.50	25	<0.48	<1.0	<0.37	3.4	<0.37
	784.57		12/19/12	<0.50	37	<0.48	<1.0	<0.37	<0.62	6.0
	786.30		03/21/13	<0.72	26	<0.79	<1.0	<0.54	3.7	2.0
	787.75		06/25/13	<0.72	31	<0.79	<1.0	<0.54	3.6	<0.42
	786.68		09/26/13	< 0.4	34	0.58 "J"	< 0.5	< 0.33	4.2	5.4
	786.57		09/24/14	<0.4	26	<0.35	<0.5	<0.33	3.4	2.67
	785.95		09/22/15	<0.27	19.5	0.556 "J"	<0.23	<0.27	1.7	<0.20
	787.78		09/11/18	<0.39	39	0.60 "J"	<1.6	<0.37	0.86	6.6
	785.69		09/24/19	<0.39	32	<0.35	<1.6	<0.37	<0.16	3.7
	787.51		09/23/20	<0.39	19	0.35 "J"	3.4 "J" L	<0.37	0.54	<0.20
	786.46		09/22/21	0.44 "J"	36	0.68	<1.6	<0.37	0.65	5.7
	786.48		09/28/22	<0.39	25	0.39 "J"	2.5 "J B" L	<0.37	0.52	<0.20
	786.90		10/01/24	<0.48	15	<0.44	<3.6	<0.39	0.42 "J"	0.39
783.0-793.0	-	MW-10S	06/12/08	<0.50	<0.50	<0.50	<1.0	<0.50	51	<0.20
	-		12/02/08	<0.34	<0.40	<0.47	<0.40	<0.31	54	<0.095
	787.83		06/29/09	<0.87	<0.65	<0.82	<0.87	<0.47	32	<0.68
	787.81		06/30/10	<0.7	<0.78	<1.3	<0.47	<0.43	21.5	<0.19
	787.40		08/23/11	<0.21	<0.20	<0.26	<0.48	<0.21	14	<0.18
	786.94		11/22/11	<0.21	<0.20	<0.26	2	<0.21	14	<0.18
	787.07		02/22/12	<0.21	<0.20	<0.26	<0.48	<0.21	14	<0.18
	787.88		05/21/12	<0.20	<0.21	<0.19	<0.40	<0.15	14	<0.15
	785.74		09/11/12	<0.20	<0.21	<0.19	<0.40	<0.15	14	<0.15
	786.58		03/21/13	<0.17	<0.23	<0.18	<0.40	0.21 "J"	8.8	<0.11
	788.04		06/25/13	<0.29	0.15 "J"	<0.32	<0.40	<0.22	13	<0.17

Table 5: Groundwater Monitoring Well Volatile Organic Compound Laboratory Results, Denow Landfill, Grafton, Wisconsin

Well Screen Interval in feet above sea level	Groundwater Elevation in feet above mean sea level	Well ID	Date Sampled	Relevant and Significant Volatile Organic Compounds (micograms per liter)									
				1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene (TCE)	Vinyl Chloride			
		NR 140, Wis. Adm. Code PAL		0.7	7	20	0.5	0.5	0.5	0.02			
		NR 140, Wis. Adm. Code ES		7	70	100	5	5	5	0.2			
	786.99 786.98 786.23	MW-10S continued	09/26/13 09/24/14 09/23/15	< 0.4 <0.4 <0.27	< 0.38 <0.38 <0.26	< 0.35 <0.35 <0.27	< 0.5 <0.5 <0.23	< 0.33 <0.33 <0.27	17.2 14.8 11.9	< 0.18 <0.18 <0.20			
782.2-792.2	- 787.66 787.64 787.20 785.52 786.73 786.63 786.00	MW-11S	12/02/08 06/29/09 06/30/10 08/23/11 09/11/12 09/26/13 09/24/14 09/23/15	<0.34 <0.22 <0.7 <0.21 <0.20 < 0.4 <0.4 <0.27	<0.40 <0.16 <0.78 <0.20 <0.21 < 0.38 <0.38 <0.26	<0.47 <0.21 <1.3 <0.26 <0.19 < 0.35 <0.35 <0.27	<0.40 <0.22 <0.47 <0.48 <0.40 < 0.5 <0.5 <0.23	<0.31 <0.12 <0.43 <0.21 <0.15 < 0.33 <0.33 <0.27	<0.43 <0.37 1.72 <0.17 <0.25 < 0.33 <0.33 <0.18	<0.095 <0.17 0.22 "J" <0.18 <0.15 < 0.18 <0.18 <0.20			
	783.2-793.2	- 788.16 787.85 787.69 787.21 787.33 788.12 786.03 785.06 786.82 788.28 787.23 787.14 786.51 788.34 788.08 788.04 787.09 787.09 787.53	MW-12S	03/13/09 06/29/09 06/30/10 08/23/11 11/22/11 02/22/12 05/21/12 09/11/12 12/19/12 03/21/13 06/25/13 09/26/13 09/24/14 09/22/15 09/11/18 09/25/19 09/24/20 09/23/21 09/28/22 10/01/24	<0.50 <0.22 <0.7 <0.21 <0.21 <0.21 <0.20 <0.20 <0.20 <0.34 <0.58 < 0.4 <0.4 <0.27 <0.39 <0.39 <0.39 <0.39 <0.39 <0.48	1.0 "J" 0.20 "J" <0.78 <1.5 3.7 0.8 0.37 "J" 1.2 2.3 3.0 5.7 1.75 <0.38 <0.26 1.8 <0.41 <0.41 <0.41 <0.41 <0.42	<0.50 <0.21 <1.3 <0.26 <0.26 <0.19 <0.19 <0.19 0.51 "J" <0.63 < 0.35 <0.35 <0.27 <0.35 <0.35 <0.35 <0.35 <0.44	<1.0 <0.22 <0.47 <0.48 <0.48 <0.48 <0.40 <0.40 <0.80 <0.80 < 0.5 <0.5 <0.23 <1.6 <1.6 <0.35 <1.6 <3.6	0.97 "J" 1.4 <0.43 2.9 4 3.3 1.8 2.9 7.2 8.2 8.2 4.4 2.12 2.2 2.8 0.61 "J" 0.49 "J" 1.1 1.5 <0.39	2.3 1.6 1.74 6.9 13 9.2 3.8 7.9 24 24 17 9.9 4.1 4.4 6.9 1.0 0.72 2.30 2.6 <0.15	<0.20 <0.17 <0.19 <0.18 <0.18 <0.18 <0.15 <0.15 <0.15 <0.22 <0.33 < 0.18 <0.18 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20		
		739.5-744.5	- 788.00 787.91 787.16 786.66 786.78 787.59 785.49 784.53 786.30 787.76 786.73 786.61 786.51 787.81 787.57 787.48 786.55 786.52 786.97	MW-12B	03/13/09 06/29/09 06/30/10 08/23/11 11/22/11 02/22/12 05/21/12 09/11/12 12/19/12 03/21/13 06/25/13 09/26/13 09/24/14 09/22/15 09/11/18 09/25/19 09/24/20 09/23/21 09/28/22 10/01/24	0.63 "J" 0.34 "J" <0.7 <0.83 <0.83 0.87 <0.80 <0.83 <1.0 0.71 "J" <1.4 0.50 "J" <0.4 <0.27 <0.39 <0.39 <0.39 <0.39 <0.39 <0.48	74 48 23.2 37 42 55 38 48 42 49 49 42 37 32 42 32 33 30 40 27	2.60 1.50 <1.3 1.3 "J" 1.2 "J" 2.1 "J" 1.4 "J" 1.7 "J" 1.4 "J" 1.90 <1.6 1.34 1.23 0.99 "J" 1.50 1.00 1.30 1.00 1.20 0.97 "J"	<1.0 <0.22 <0.47 <1.9 <1.9 <1.9 <1.6 <1.9 <2.0 <1.0 <2.0 < 0.5 <0.5 <0.23 <1.6 <1.6 3.4 "J" L <1.6 2.6 "J B" L <3.6	5.8 1.9 1.27 "J" 3.4 2.8 4 3.5 4.3 4.7 4.2 2.9 "J" 2.38 2.97 2.2 3.0 3.7 4.2 2.2 <0.37 5.5	11 13 13.3 19 16 18 18 23 18 14 11.2 14.7 13 7.4 14 14 6.8 <0.16 12	36 12 1.25 1.3 "J" 2.3 6.1 4.5 1.8 "J" 2.1 "J" 4.7 8.1 5.0 0.59 0.51 23 2.3 3.0 1.6 4.9 2.5	
			780.1-790.1	787.84 787.38 787.50 788.29 786.19 785.25 787.00 788.40 787.43 787.31 786.68 788.50 786.38	MW-13S	08/23/11 11/22/11 02/22/12 05/21/12 09/11/12 12/19/12 03/20/13 06/25/13 09/26/13 09/25/14 09/22/15 09/11/18 09/24/19	<0.21 <0.21 <0.21 <0.20 <0.21 <0.20 <0.17 <0.29 < 0.4 <0.4 <0.27 <0.39 <0.39	0.69 "J" 1.2 1.1 0.64 "J" 1.1 1 0.69 "J" 1.1 2.88 1.94 0.60 "J" 1.8 4.5	<0.26 0.52 "J" 0.58 "J" 0.27 "J" 0.71 "J" 0.76 0.19 "J" <0.32 0.43 "J" 0.83 "J" 0.55 "J" 0.73 "J" <0.35	<0.48 <0.48 <0.48 <0.40 <0.48 <0.40 <0.40 <0.40 < 0.5 <0.5 <0.23 <1.6 <1.6	<0.21 <0.21 <0.21 <0.15 <0.21 <0.15 <0.16 <0.22 < 0.33 <0.33 <0.27 <0.37 <0.37	14 14 10 9.4 11 10 5 9 14.1 11.7 3.5 9 17	<0.18 <0.18 <0.18 <0.15 <0.18 <0.15 <0.11 <0.17 0.23 "J" 0.21 "J" <0.20 <0.20 <0.20

Table 5: Groundwater Monitoring Well Volatile Organic Compound Laboratory Results, Denow Landfill, Grafton, Wisconsin

Well Screen Interval in feet above sea level	Groundwater Elevation in feet above mean sea level	Well ID	Date Sampled	Relevant and Significant Volatile Organic Compounds (micograms per liter)							
				1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloro-ethene	Trichloro-ethene (TCE)	Vinyl Chloride	
		NR 140, Wis. Adm. Code PAL		0.7	7	20	0.5	0.5	0.5	0.02	
		NR 140, Wis. Adm. Code ES		7	70	100	5	5	5	0.2	
	788.22 787.20 787.05 787.67	MW-13S continued	09/23/20 09/23/21 09/28/22 10/01/24	<0.39 <0.39 <0.39 <0.48	2.1 0.9 0.51 "J" 2.9	<0.35 <0.35 <0.35 <0.44	3.7 "J" L <1.6 <1.6 <3.6	<0.37 <0.37 <0.37 <0.39	17 9.6 5.2 11	<0.20 <0.20 <0.20 <0.20	
725.2-730.2	787.90 787.46 787.57 787.37 786.27 785.29 787.08 788.47 787.46 787.38 786.73 788.56 786.46 788.27 787.24 790.30 787.73	MW-13B	08/23/11 11/22/11 02/22/12 05/21/12 09/11/12 12/19/12 03/20/13 06/25/13 09/26/13 09/24/14 09/22/15 09/11/18 09/24/19 09/23/20 09/23/21 09/28/22 10/01/24	<0.21 <0.21 <0.21 <0.20 <0.21 <0.20 <0.17 <0.29 < 0.4 <0.4 <0.27 <0.39 <0.39 <0.39 <0.39 <0.39 <0.48	0.84 0.99 1.2 1.3 1.3 1.3 1.4 1.5 1.42 1.19 "J" 1.3 2.1 2.4 2.6 2.1 2 2.1	<0.26 <0.26 <0.26 <0.19 <0.26 <0.19 <0.18 <0.32 < 0.35 <0.35 <0.26 <0.35 <0.35 <0.35 <0.35 <0.35 <0.44	<0.48 <0.48 <0.48 <0.40 <0.48 <0.40 <0.40 <0.40 <0.5 <0.5 <0.23 <1.6 3.6 "J" L <1.6 <1.6 <3.6	<0.21 <0.21 <0.21 <0.15 <0.21 <0.15 <0.16 <0.22 < 0.33 <0.33 <0.27 <0.37 <0.37 <0.37 <0.37 <0.37 <0.39	1.4 2.1 2.1 2.4 2.7 1.6 1.7 0.54"J" 1.7 1.2 1.3 2 1.3 2.2 3.8 3.3 2.7	1.4 0.95 1.20 0.76 0.63 "J" 0.71 0.90 1.70 0.87 0.89 0.84 1.20 0.20 0.53 "J" 0.20 0.31 "J" 0.26 "J"	
	-	TW-1	04/03/14	-	<0.38	<0.35	-	<0.33	<0.33	<0.18	
		FORMER RESIDENTIAL WATER SUPPLY WELLS CONVERTED INTO GROUND-WATER MONITORING WELLS									
660.1-665.1	- 763.41 762.02 761.62 764.71 763.47 764.37 761.51 764.25 762.68 765.45 764.94 767.01 763.97 764.96 765.25 764.45 762.31 763.70 763.70 763.51 764.27	2224 Edgewood Drive	04/26/01 08/22/02 03/18/03 09/19/03 03/29/04 09/22/04 03/22/05 09/27/05 03/30/06 09/26/06 03/21/07 09/19/07 06/12/08 12/02/08 06/30/09 07/01/10 08/23/11 09/12/12 09/26/13 09/25/14 09/22/15 09/28/22	<0.36 <0.33 <0.17 <0.17 <0.41 <0.41 <0.41 <0.20 <0.15 <0.15 <0.24 <0.24 <0.50 <0.34 <0.22 <0.7 <0.21 <0.21 <0.50 <0.40 <0.22 <0.20 < 0.4 <0.4 <0.27 <0.27	<1 <0.20 <0.22 <0.22 <0.40 <0.40 <0.35 <0.18 <0.17 <0.19 <0.22 <0.21 <0.50 <0.40 <0.16 <0.78 <0.20 <0.20 <0.38 <0.38 <0.26 <0.26	<0.23 <0.38 <0.16 <0.16 <0.35 <0.43 <0.35 <0.43 <0.35 <0.43 <0.40 <0.22 <1.3 <0.26 <0.26 < 0.35 <0.35 <0.27 <0.27	<0.35 <0.24 <0.12 <0.12 <0.43 <0.43 <0.31 <0.43 <0.43 <0.40 <0.25 <0.43 <0.43 <0.40 <0.22 <0.47 <0.47 <0.48 <0.48 < 0.5 <0.5 <0.23 <0.23	<0.25 <0.16 <0.17 <0.17 <0.31 <0.31 <0.31 <0.16 <0.30 <0.16 <0.21 <0.21 <0.50 <0.31 <0.12 <0.43 <0.21 <0.33 <0.33 <0.27 <0.27	<0.36 <0.17 <0.12 <0.12 <0.25 <0.25 <0.25 <0.31 <0.25 <0.16 <0.30 <0.16 <0.20 <0.20 <0.37 <0.19 <0.17 <0.17 <0.33 <0.33 <0.18 <0.18	<0.23 <0.20 <0.10 <0.10 <0.11 <0.11 <0.11 <0.25 <0.11 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <0.20 <0.20 <0.17 <	

Table 5: Groundwater Monitoring Well Volatile Organic Compound Laboratory Results, Denow Landfill, Grafton, Wisconsin

Well Screen Interval in feet above sea level	Groundwater Elevation in feet above mean sea level	Well ID	Date Sampled	Relevant and Significant Volatile Organic Compounds (micograms per liter)							
				1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene (TCE)	Vinyl Chloride	
		NR 140, Wis. Adm. Code PAL			0.7	7	20	0.5	0.5	0.5	0.02
		NR 140, Wis. Adm. Code ES			7	70	100	5	5	5	0.2
	763.18 762.96 766.52 - 762.45 764.29 763.09 763.66 765.14	2232 Edgewood Drive continued	09/30/14 09/22/15 09/11/18 03/27/19 09/24/19 09/23/20 09/22/21 09/28/22 03/28/24 10/01/24	<0.4 <0.27 <0.41 <0.39 <0.41 <0.39 <0.39 <0.39 <0.39 <0.48	<0.38 <0.26 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.42	<0.35 <0.27 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.44	<0.5 <0.23 <1.6 <1.6 <1.6 <1.6 <1.6 <1.6 2.4 "J B" <3.6	<0.33 <0.27 <0.37 <0.37 <0.37 <0.37 <0.37 <0.37 <0.37 <0.39	<0.33 <0.18 <0.16 <0.16 <0.16 <0.16 <0.18 <0.16 <0.16 <0.15	<0.18 <0.20 <0.20 0.30 "J" <0.20 <0.20 <0.20 0.23 "J" <0.20 <0.20	
677.8-687.8	759.94 758.09 757.60 760.38 759.85 760.17 758.97 761.55 760.37 763.30 764.84 - 761.72 763.13 763.44 762.91 763.13 760.12 762.50 761.69 761.75 761.37 761.40 762.21 764.34 764.86 761.13 764.36 763.13 760.12 761.40 760.44 761.89 765.03 763.96	2267 Edgewood Drive	08/22/02 03/18/03 09/19/03 03/29/04 09/22/04 03/22/05 09/26/05 03/30/06 09/26/06 03/22/07 09/19/07 06/12/08 12/02/08 06/30/09 07/01/10 08/23/11 02/22/12 09/12/12 03/20/13 09/26/13 03/25/14 09/30/14 09/22/15 03/27/18 09/11/18 03/27/19 09/24/19 03/11/20 09/23/20 03/23/21 09/22/21 03/28/22 09/28/22 04/05/23 03/28/24 10/01/24	<0.33 <0.17 <0.17 <0.41 <0.41 <0.41 <0.20 <0.15 <0.15 <0.24 <0.24 <0.50 <0.34 <0.22 <0.7 <0.20 <0.21 <0.21 <0.29 < 0.4 <0.4 <0.4 <0.27 <0.39 <0.30 <0.39 <0.39 <0.39 <0.39 <0.39 <0.42 <0.39 <0.41 <0.35 <0.41 <0.39 <0.41 <0.39 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0.41 <0							

Table 5: Groundwater Monitoring Well Volatile Organic Compound Laboratory Results, Denow Landfill, Grafton, Wisconsin

Well Screen Interval in feet above sea level	Groundwater Elevation in feet above mean sea level	Well ID	Date Sampled	Relevant and Significant Volatile Organic Compounds (micrograms per liter)						
				1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene (TCE)	Vinyl Chloride
		NR 140, Wis. Adm. Code PAL		0.7	7	20	0.5	0.5	0.5	0.02
		NR 140, Wis. Adm. Code ES		7	70	100	5	5	5	0.2
	761.70	2280 Edgewood Drive continued	09/26/14	<0.4	<0.38	<0.35	<0.5	<0.33	<0.33	0.81
	762.08		09/22/15	<0.27	<0.26	<0.27	<0.23	<0.27	<0.18	0.68
	762.23		03/27/18	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
	764.35		09/11/18	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	0.88 "J"
	764.86		03/27/19	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	0.73 "J"
	761.26		09/24/19	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
	762.55		03/11/20	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	0.35 "J"
	763.29		09/23/20	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
	763.14		03/23/21	<0.39	<0.41	<0.35	<1.7	<0.37	<0.16	<0.20
	761.56		09/22/21	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	0.62
	761.41		03/28/22	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	0.36 "J"
	758.43		09/28/22	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	0.68 "J"
	758.43		09/28/22	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	0.68 "J"
	764.98		04/05/23	<0.41	<0.41	<0.35	1.9 "J B"	<0.37	<0.16	0.6 "J"
	763.98		03/28/24	<0.41	<0.39	<0.41	2.4 "J B"	<0.39	<0.38	<0.20
			10/01/24	<0.48	<0.42	<0.44	<3.6	<0.39	<0.15	0.28 "J"
		Trip Blank	11/04/98	<0.36	<0.34	<0.46	<1	<0.56	<0.39	<0.32
			12/15/98	<0.36	<0.34	<0.46	<1	<0.56	<0.39	<0.32
			12/26/98	<0.36	<0.34	<0.32	<1	<0.56	<0.39	<0.32
			02/08/99	<0.36	<0.34	<0.46	<1	<0.56	<0.39	<0.32
			04/24/01	<0.36	<1	<0.23	1.6 "J"	<0.25	<0.36	<0.23
			05/01/01	<0.36	<1	<0.23	<0.35	<0.25	<0.36	<0.23
			07/29/02	<0.13	<0.15	<0.13	<0.24	<0.10	<0.13	<0.18
			03/18/03	<0.17	<0.22	<0.16	<0.12	<0.17	<0.12	<0.10
			09/19/03	<0.17	<0.22	<0.16	<0.12	<0.17	<0.12	<0.10
			10/03/03	<0.17	<0.22	<0.16	<0.12	<0.17	<0.12	<0.10
			10/17/03	<0.17	<0.22	<0.16	<0.12	<0.17	<0.12	<0.10
			10/24/03	<0.17	<0.22	<0.16	<0.12	<0.17	<0.12	<0.10
			03/29/04	<0.41	<0.40	<0.35	<0.43	<0.31	<0.25	<0.11
			09/22/04	<0.41	<0.40	<0.35	<0.43	<0.31	<0.25	<0.11
			03/22/05	<0.41	<0.40	<0.35	<0.43	<0.31	<0.25	<0.11
			09/26/05	<0.20	<0.18	<0.18	<0.25	<0.16	<0.19	<0.20
			03/29/06	<0.15	<0.19	<0.17	<0.36	<0.16	<0.30	<0.20
			09/26/06	<0.14	<0.34	<0.21	<0.30	<0.16	<0.19	<0.17
			03/21/07	<0.24	<0.21	<0.22	<0.40	<0.21	<0.20	<0.17
			12/02/08	<0.41	<0.39	<0.38	<0.42	<0.35	<0.40	<0.15
			08/25/11	<0.20	<0.21	<0.23	<0.40	<0.15	<0.25	<0.15
			11/22/11	<0.21	<0.20	<0.26	2.1	<0.21	<0.17	<0.18
			02/22/12	<0.21	<0.20	<0.26	0.69	<0.21	<0.17	<0.18
			05/21/12	<0.20	<0.21	<0.19	<0.40	<0.15	<0.25	<0.15
			09/12/12	<0.20	<0.21	<0.19	<0.40	<0.15	<0.25	<0.15
			12/19/12	<0.20	<0.21	<0.19	<0.40	<0.15	<0.25	<0.15
			03/21/13	<0.17	<0.23	<0.18	<0.40	<0.16	<0.14	<0.11
			06/25/13	<0.29	<0.10	<0.32	<0.40	<0.22	<0.27	<0.17
			09/26/13	< 0.4	< 0.38	< 0.35	< 0.5	< 0.33	1.26	< 0.18
			03/25/14	<0.4	<0.38	<0.35	<0.5	<0.33	<0.33	<0.18
			09/22/15	<0.27	<0.26	<0.27	<0.23	<0.27	<0.18	<0.20
			03/27/18	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
			09/11/18	<0.35	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
			03/27/19	<0.35	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
			09/24/19	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
			03/11/20	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
			09/23/20	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
			03/23/21	<0.39	<0.41	<0.35	<1.7	<0.37	<0.16	<0.20
			09/22/21	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
			03/28/22	<0.39	<0.41	<0.35	<1.6	<0.37	<0.16	<0.20
			03/28/24	<0.41	<0.39	<0.41	1.9 "J B"	<0.39	<0.38	<0.20
			10/01/24	<0.48	<0.42	<0.44	<3.6	<0.39	<0.15	<0.20
		Field Blank	04/25/01	<0.36	<0.34	<0.46	<1	<0.56	<0.39	<0.32

Table 5: Groundwater Monitoring Well Volatile Organic Compound Laboratory Results, Denow Landfill, Grafton, Wisconsin

Well Screen Interval in feet above sea level	Groundwater Elevation in feet above mean sea level	Well ID	Date Sampled	Relevant and Significant Volatile Organic Compounds (micrograms per liter)						
				1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene (TCE)	Vinyl Chloride
		NR 140, Wis. Adm. Code PAL		0.7	7	20	0.5	0.5	0.5	0.02
		NR 140, Wis. Adm. Code ES		7	70	100	5	5	5	0.2

NE = not established
- = not analyzed or data not collected
"J" = analyte detected between Limit of Detection and Limit of Quantification
L = probable laboratory contaminant
"B" = compound found in blank and sample
ND = not detected
* = duplicate sample
XXX = exceeds Chapter NR 140, Wisconsin Administrative Code (NR 140, Wis. Adm. Code) preventive action limit (PAL)

XXX

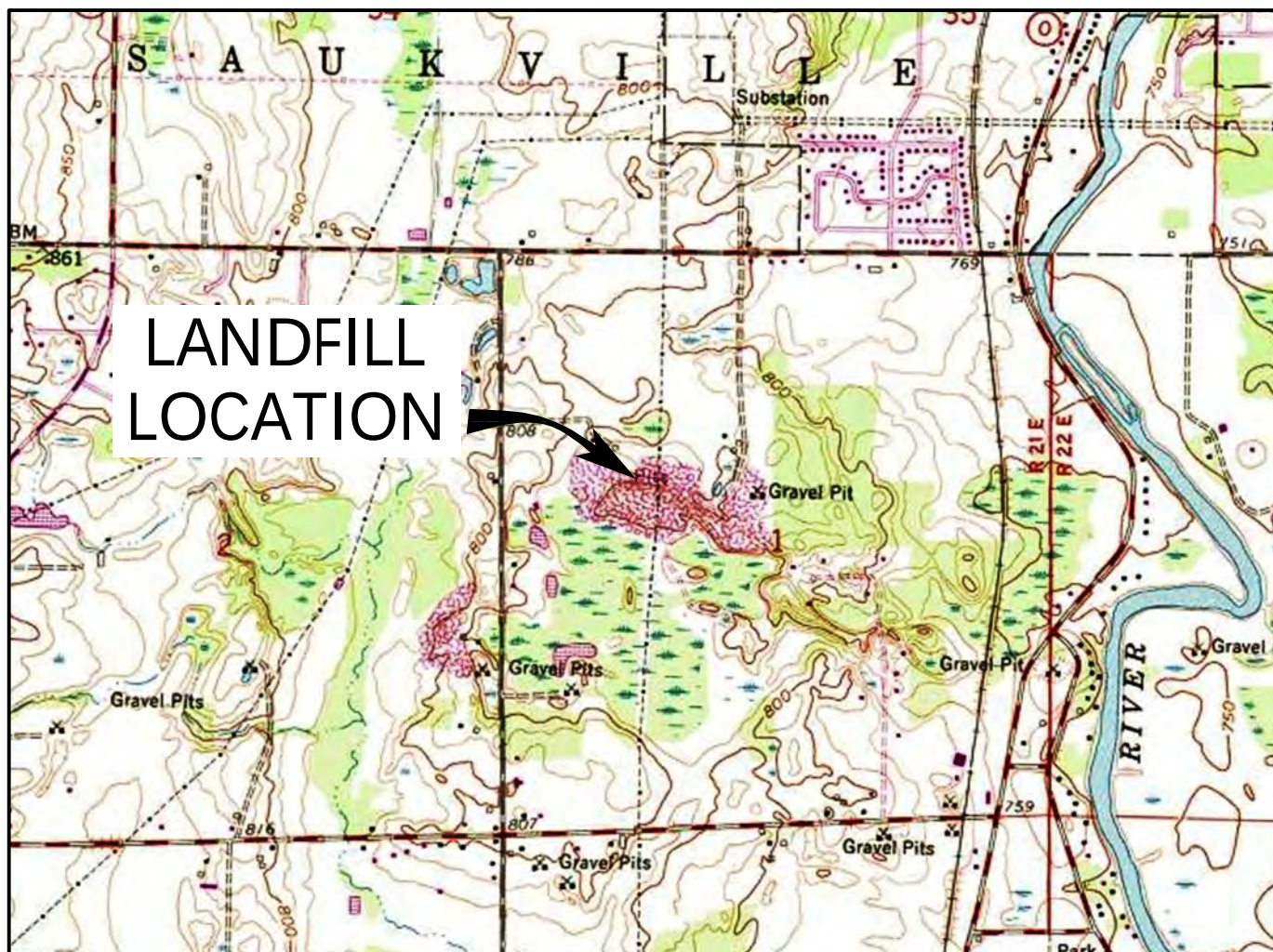
 = exceeds NR 140, Wis. Adm. Code enforcement limit (ES)

Figures

Confidential



Project: 193704196



SCALE IN FEET

1" = 2000'



CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION

BASE MAP SOURCE: USGS 7.5 MINUTE QUADRANGLE, CEDARBURG, WISCONSIN, 1994 (NATIONAL GEOGRAPHIC HOLDINGS, INC.)



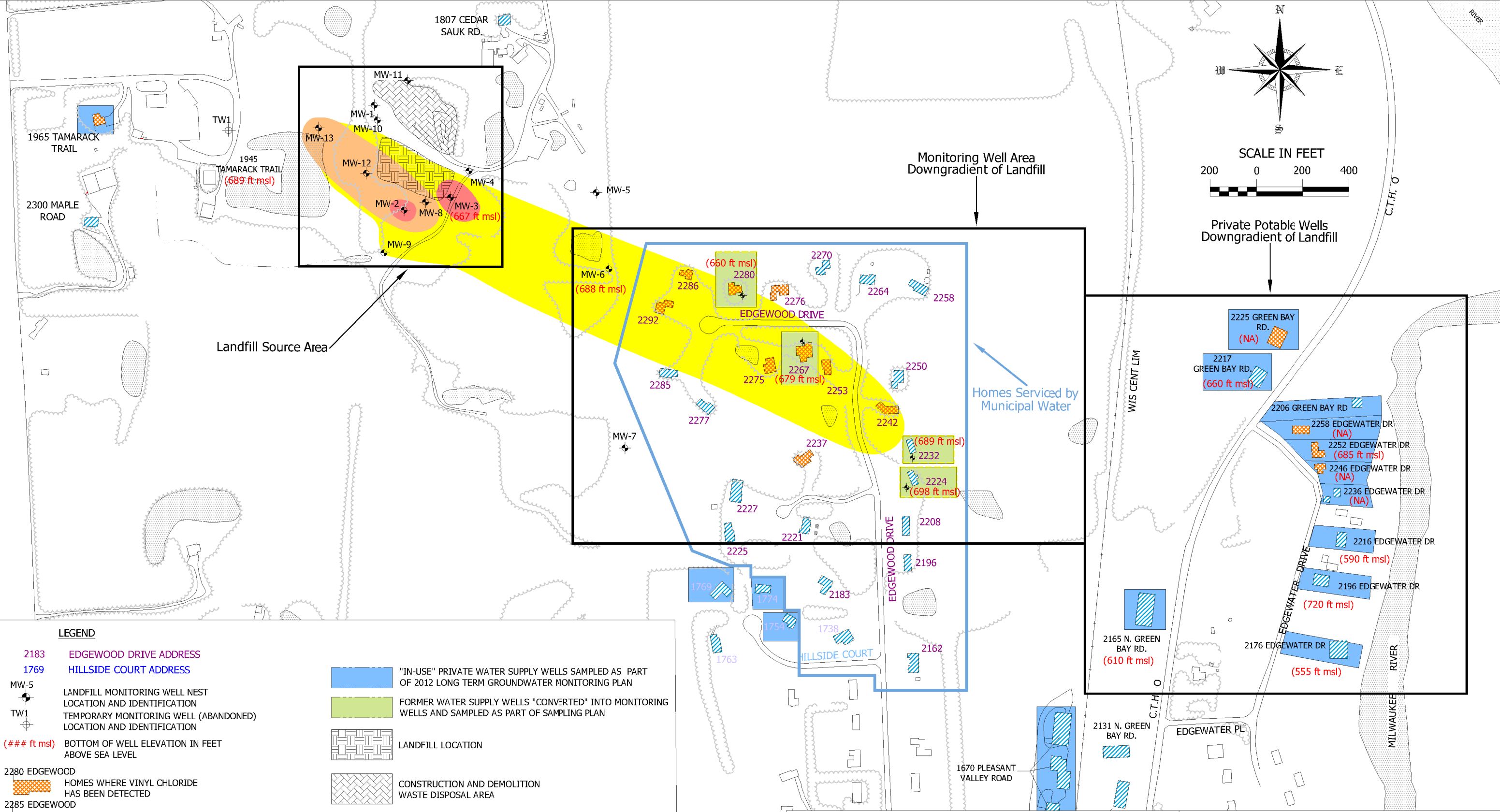
12075 CORPORATE PARKWAY, SUITE 200
MEQUON, WISCONSIN, 53092
Phone: 800-766-7140 Fax: 262-241-4901

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LANDFILL LOCATION & LOCAL TOPOGRAPHY

DENOW LANDFILL
GRAFTON, WISCONSIN

DATE: 05/13/24	DRAWN BY: JRB	REVISED: .	PROJECT NUMBER: 193704196	FIGURE 1
----------------	---------------	------------	---------------------------	----------



LEGEND

2183
1769

MW-5
TW1

(### ft msl)

2280 EDGEWOOD
2285 EDGEWOOD

EXTENT OF VINYL CHLORIDE IN GROUNDWATER EXCEEDING NR 140 ENFORCEMENT STANDARD (0.2 µG/L) (OCTOBER 2024)

EXTENT OF TCE IN GROUNDWATER EXCEEDING NR 140 ENFORCEMENT STANDARD (5 µG/L) (OCTOBER 2024)

EXTENT OF CIS 1,2-DCE IN GROUNDWATER EXCEEDING NR 140 ENFORCEMENT STANDARD (70 µG/L) (OCTOBER 2024)

EDGEWOOD DRIVE ADDRESS
HILLSIDE COURT ADDRESS

LANDFILL MONITORING WELL NEST LOCATION AND IDENTIFICATION

TEMPORARY MONITORING WELL (ABANDONED) LOCATION AND IDENTIFICATION

BOTTOM OF WELL ELEVATION IN FEET ABOVE SEA LEVEL

HOMES WHERE VINYL CHLORIDE HAS BEEN DETECTED

PRIVATE WATER SUPPLY WELLS THAT HAVE BEEN SAMPLED BUT VINYL CHLORIDE HAS NEVER BEEN DETECTED

"IN-USE" PRIVATE WATER SUPPLY WELLS SAMPLED AS PART OF 2012 LONG TERM GROUNDWATER MONITORING PLAN

FORMER WATER SUPPLY WELLS "CONVERTED" INTO MONITORING WELLS AND SAMPLED AS PART OF SAMPLING PLAN

LANDFILL LOCATION

CONSTRUCTION AND DEMOLITION WASTE DISPOSAL AREA

SURFACE WATER BODIES

NOTE: SEPERATE MOBITORING AREAS REPRESENT GENERALIZED AREA FOR REFERENCE PURPOSES ONLY

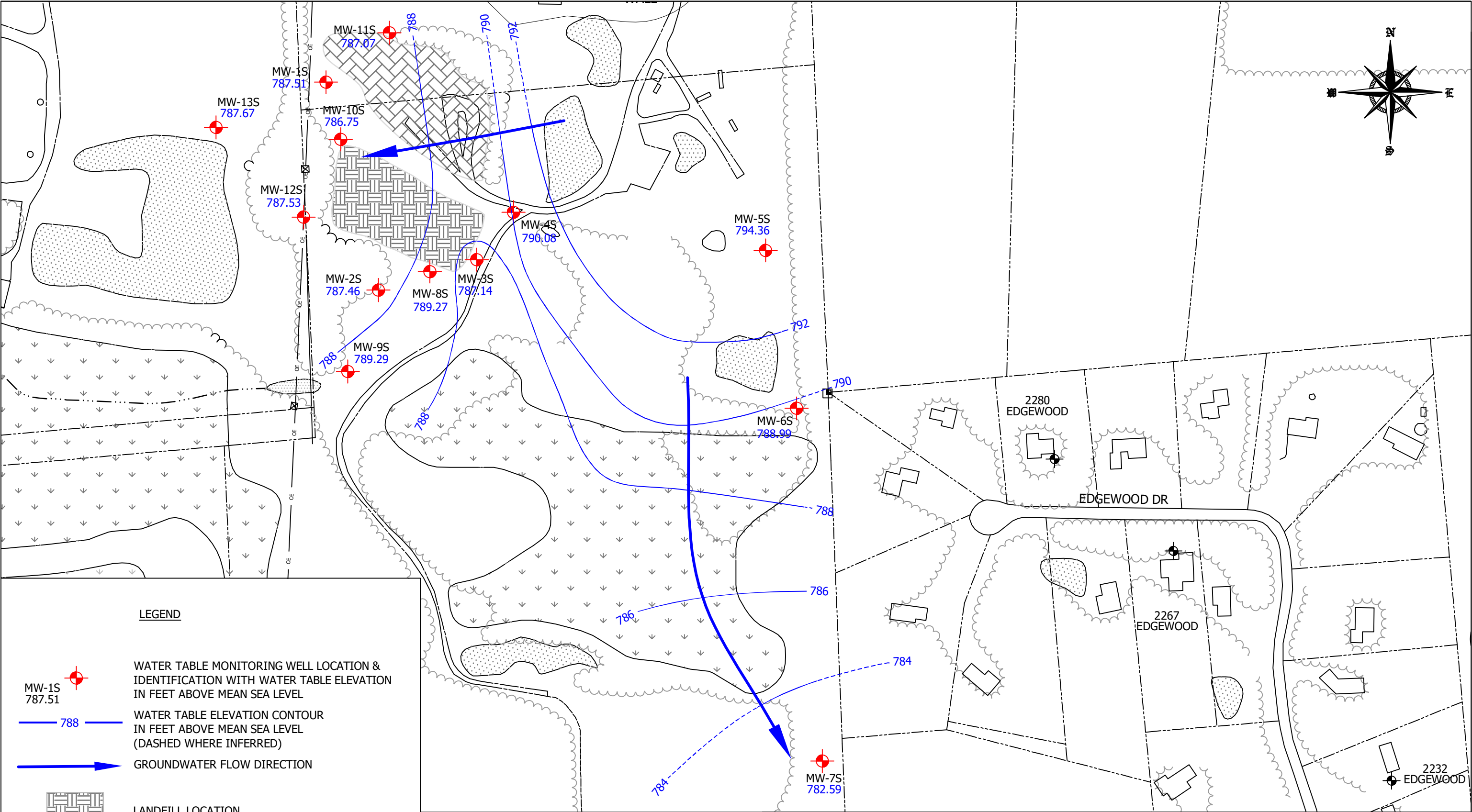


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P: 262-241-4466

LOCATION OF GROUNDWATER MONITORING POINTS

DENOW LANDFILL
GRAFTON, WISCONSIN



LEGEND

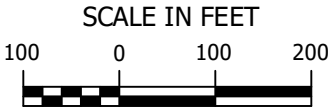
-  MW-1S 787.51
WATER TABLE MONITORING WELL LOCATION & IDENTIFICATION WITH WATER TABLE ELEVATION IN FEET ABOVE MEAN SEA LEVEL
-  788
WATER TABLE ELEVATION CONTOUR IN FEET ABOVE MEAN SEA LEVEL (DASHED WHERE INFERRED)
- 
GROUNDWATER FLOW DIRECTION



LANDFILL LOCATION



CONSTRUCTION & DEMOLITION WASTE DISPOSAL AREA



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MEQUON, WISCONSIN 53092
P: 262-241-4466

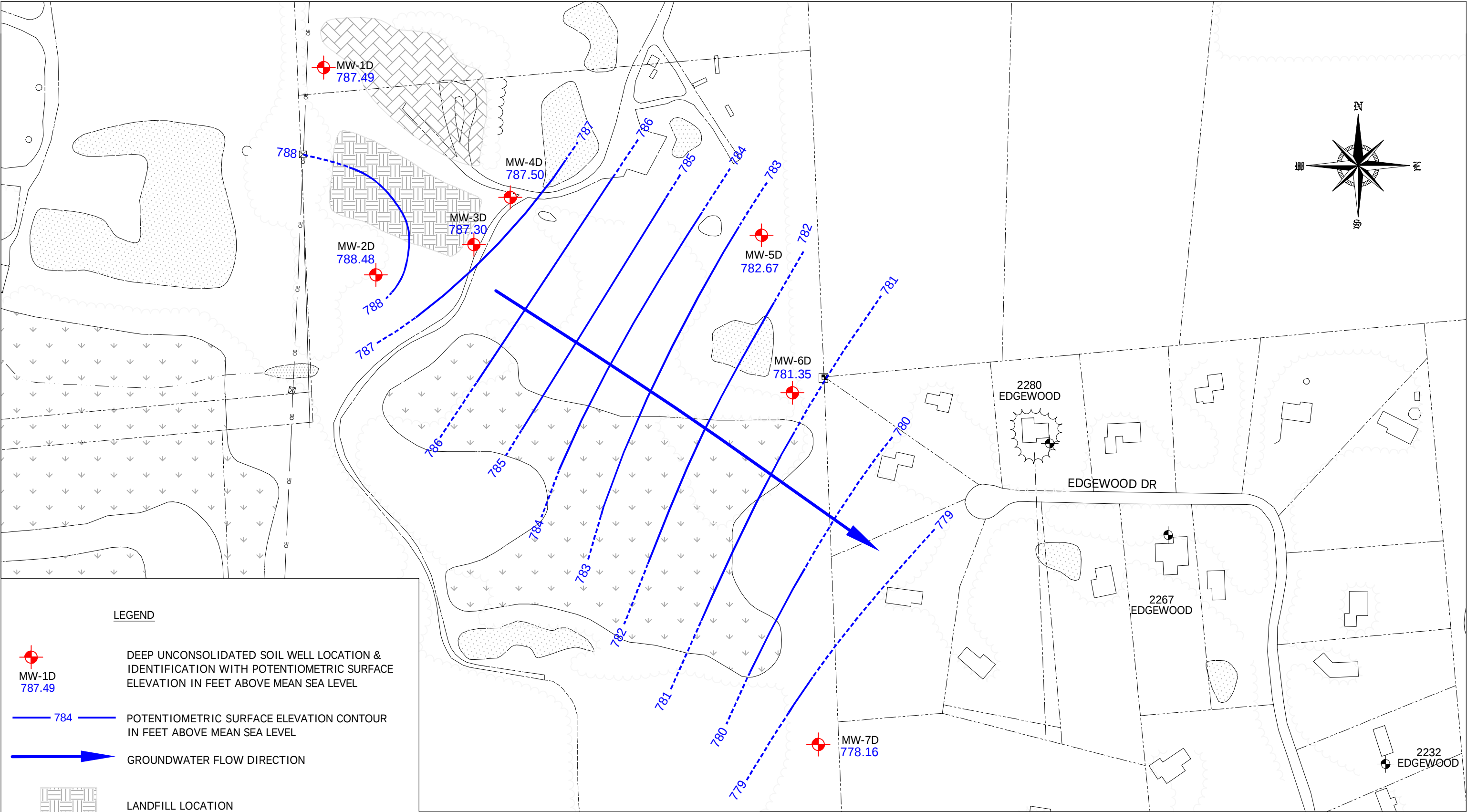
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DATE: 2007-11-12 DRAWN BY: BMP REVISED: 2025-02-21 JRB

WATER TABLE ELEVATION
OCTOBER 01, 2024

DENOW LANDFILL
GRAFTON, WISCONSIN

FIGURE 3



LEGEND

MW-1D
787.49

DEEP UNCONSOLIDATED SOIL WELL LOCATION & IDENTIFICATION WITH POTENTIOMETRIC SURFACE ELEVATION IN FEET ABOVE MEAN SEA LEVEL

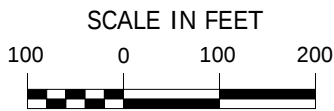
784

POTENTIOMETRIC SURFACE ELEVATION CONTOUR IN FEET ABOVE MEAN SEA LEVEL

GROUNDWATER FLOW DIRECTION

LANDFILL LOCATION

CONSTRUCTION & DEMOLITION WASTE DISPOSAL AREA



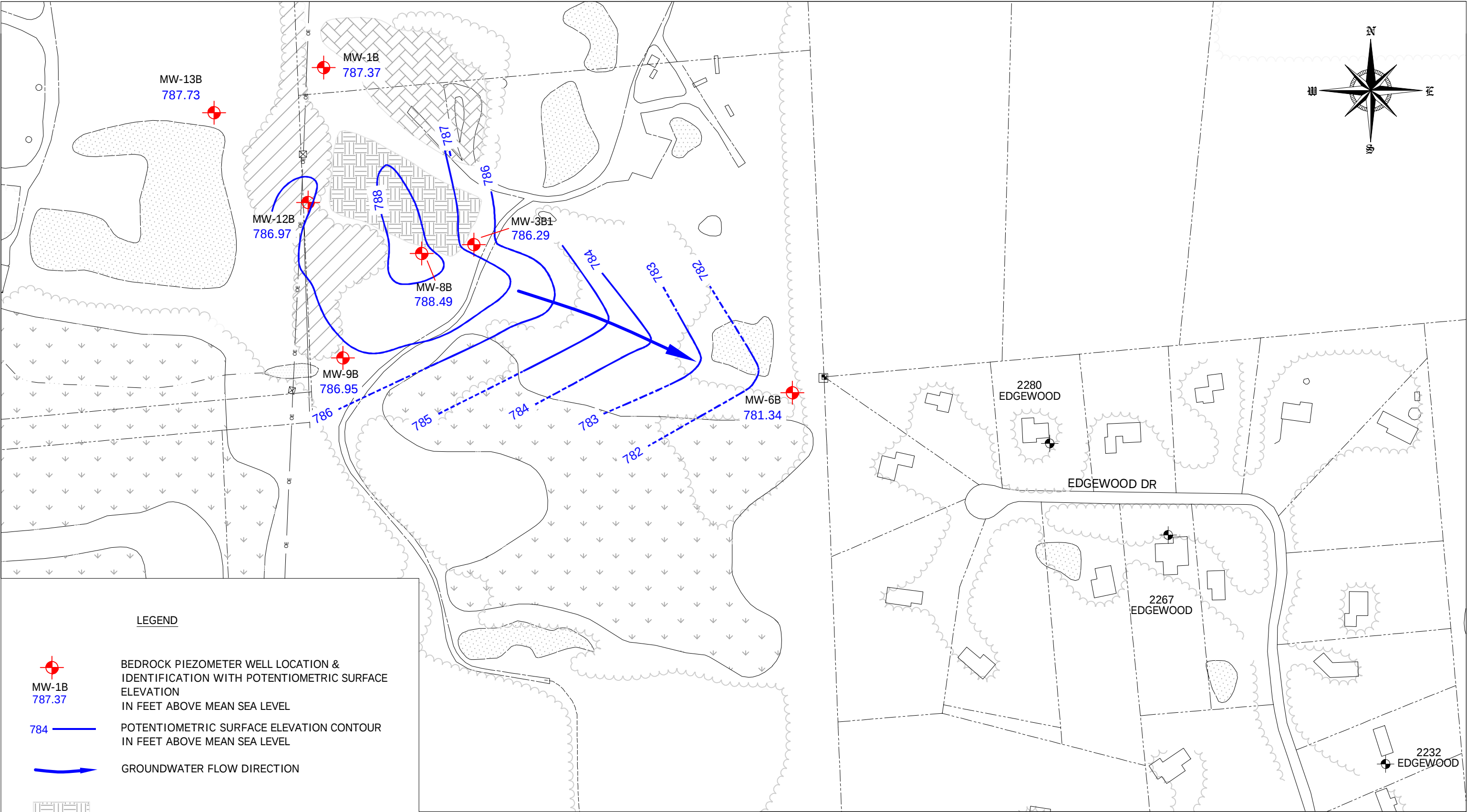
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MEQUON, WISCONSIN 53092
P: 262-241-4466

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POTENTIOMETRIC
SURFACE ELEVATION - DEEP UNCONSOLIDATED
FORMATION WELLS OCTOBER 01, 2024

DENOW LANDFILL
GRAFTON, WISCONSIN



LEGEND



MW-1B
787.37

BEDROCK PIEZOMETER WELL LOCATION &
IDENTIFICATION WITH POTENTIOMETRIC SURFACE
ELEVATION
IN FEET ABOVE MEAN SEA LEVEL

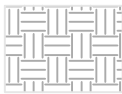
784



POTENTIOMETRIC SURFACE ELEVATION CONTOUR
IN FEET ABOVE MEAN SEA LEVEL



GROUNDWATER FLOW DIRECTION

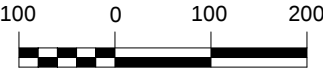


LANDFILL LOCATION



CONSTRUCTION & DEMOLITION
WASTE DISPOSAL AREA

SCALE IN FEET



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MEQUON, WISCONSIN 53092
P: 262-241-4466

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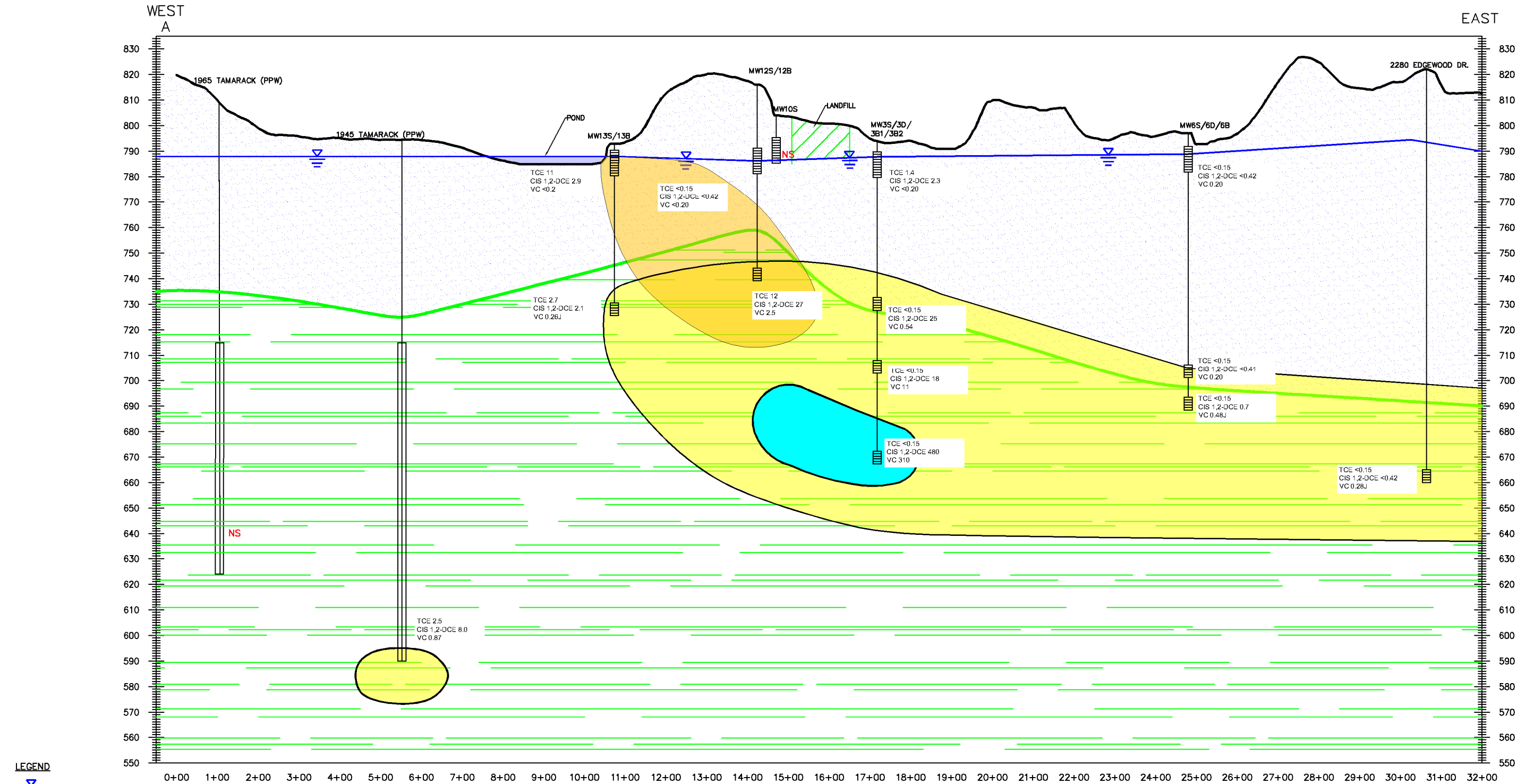
DATE: 2007-11-12 DRAWN BY: JRB REVISED: 2025-02-21 JRB

POTENTIOMETRIC
SURFACE ELEVATION - SHALLOW BEDROCK
WELLS OCTOBER 01, 2024

DENOW LANDFILL
GRAFTON, WISCONSIN

FIGURE 5

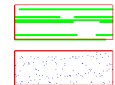
Z:\proj\Stantec Proj\193704196\2025.02.21_193704196_FIG 6.1-2.dwg Plot Date & Time: 28 March 2025 9:53 AM



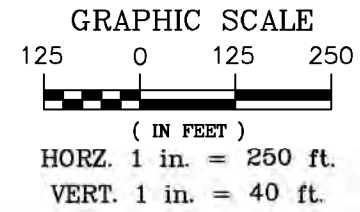
LEGEND



- EXTENT OF GROUNDWATER WITH VINYL CHLORIDE CONCENTRATIONS EXCEEDING NR140 ENFORCEMENT STANDARD (0.2 µg/L) OCTOBER, 2024.
- EXTENT OF GROUNDWATER WITH TCE CONCENTRATIONS EXCEEDING NR140 ENFORCEMENT STANDARD (5 µg/L) OCTOBER, 2024.
- EXTENT OF GROUNDWATER WITH CIS 1,2-DCE CONCENTRATIONS EXCEEDING NR140 ENFORCEMENT STANDARD (70 µg/L) OCTOBER, 2024.



ND = NOT DETECTED
PPW = PRIVATE POTABLE WELL
NS = NO SAMPLE COLLECTED IN REPORTING PERIOD



REV	REVISION DESCRIPTION	DWN	APP	REV DATE
1	OCTOBER 2024 DATA	JRB	CH	02/21/2025

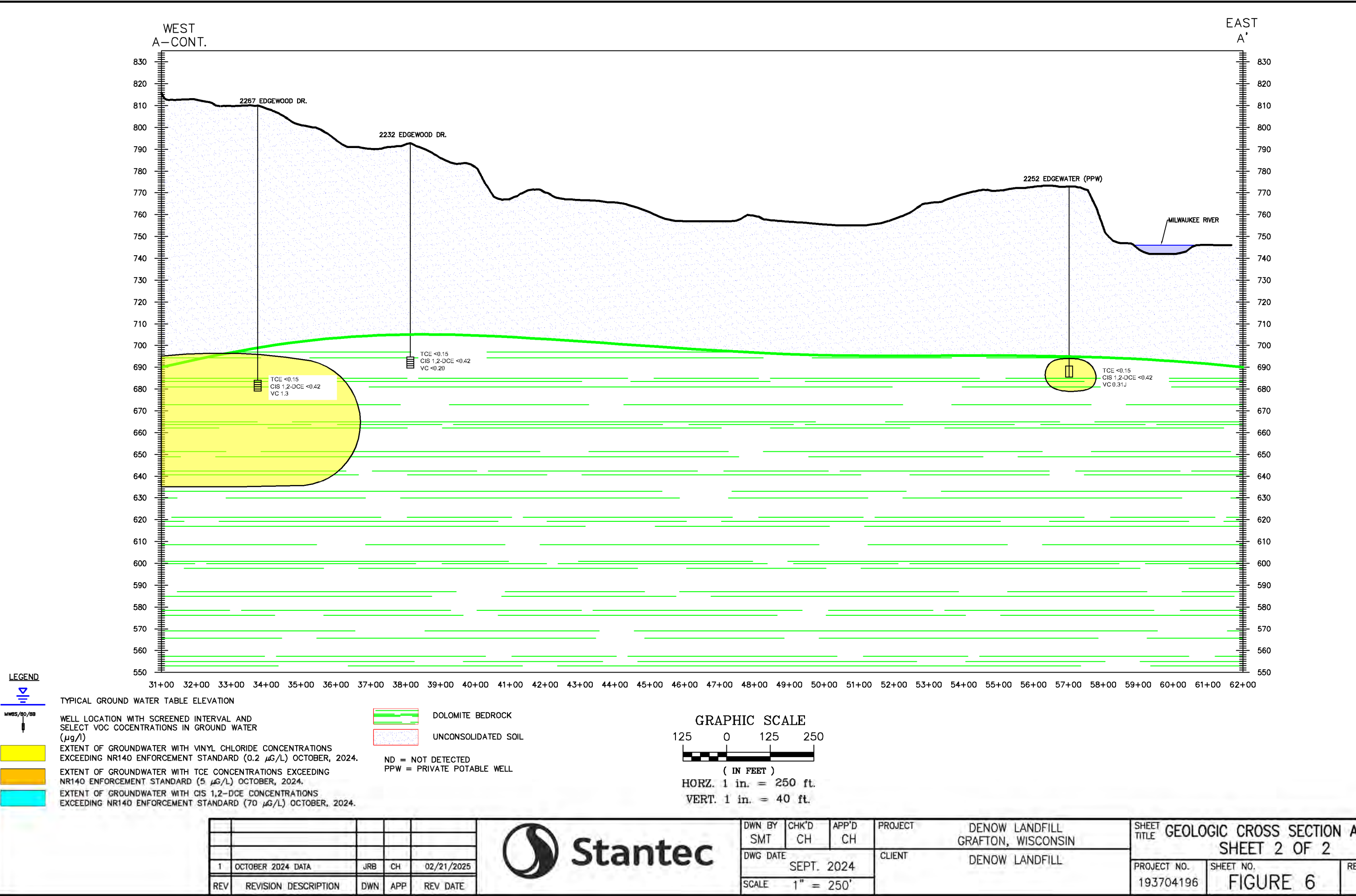


DWN BY	CHK'D	APP'D
SMT	CH	CH
DWG DATE	SEPT. 2024	
SCALE	1" = 250'	

PROJECT	DENOW LANDFILL GRAFTON, WISCONSIN
CLIENT	DENOW LANDFILL

SHEET TITLE GEOLOGIC CROSS SECTION A-A' SHEET 1 OF 2		
PROJECT NO. 193704196	SHEET NO. FIGURE 6	REV NO.

Z:\proj\Stantec Proj\193704196\2024\Figure1-2.dwg Plot Date & Time: 24 February 2025 2:47 PM



Appendix A Laboratory Analytical Report and Chain of Custody Records



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ANALYTICAL REPORT

PREPARED FOR

Attn: Jiyan Hatami
Stantec Consulting Corporation
12080 Corporate Parkway, Suite 200
Mequon, Wisconsin 53092

Generated 10/23/2024 12:41:21 PM Revision 1

JOB DESCRIPTION

Denow Landfill - 193704196

JOB NUMBER

500-257930-1

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = $3.33 \times \text{LOD}$ as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



Generated
10/23/2024 12:41:21 PM
Revision 1

Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Case Narrative

Client: Stantec Consulting Corporation
Project: Denow Landfill - 193704196

Job ID: 500-257930-1

Job ID: 500-257930-1

Eurofins Chicago

Job Narrative 500-257930-1

Revision

The report being provided is a revision of the original report sent on 10/18/2024. The report (revision 1) is being revised due to: Updated to include lower MDL for Vinyl Chloride.

Receipt

The samples were received on 10/4/2024 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.5° C.

GC/MS VOA

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

GC VOA

Method 8260D: The continuing calibration verification (CCV) associated with the following had compounds outside 20% drift for method 8260D. Where applicable, a standard was analyzed at the reporting limit (CCVL) and analyses were able to continue, as low failing compounds were detected. Any detects for these out of control compounds should be considered estimates. 2252 Edgewater Dr. (500-257930-1), 2165 Green Bay Rd. (500-257930-2), 2258 Edgewater Dr. (500-257930-3), 2225 Green Bay Rd (500-257930-4), 2232 Edgewood Dr. (500-257930-5), 2267 Edgewood Dr. (500-257930-6), MW-13S (500-257930-7), MW-13B (500-257930-8), 2280 Edgewood Dr. (500-257930-9), MW-6D (500-257930-10), MW-6S (500-257930-11), MW-6B (500-257930-12), MW-1B (500-257930-13), MW-1D (500-257930-14), MW-1S (500-257930-15), MW-9B (500-257930-16), MW-9S (500-257930-17), MW-2D (500-257930-18), MW-2S (500-257930-19), MW-12B (500-257930-20), MW-12S (500-257930-21), MW-4D (500-257930-22), MW-3S (500-257930-23), MW-3D (500-257930-24), MW-3B1 (500-257930-25), MW-3B2 (500-257930-26), Dup-1 (500-257930-27), MW-8S (500-257930-28), MW-8B (500-257930-29), Trip Blank (500-257930-30), 2217 Green Bay Rd. (500-257930-31), 1945 Tamarack Trail (500-257930-32) and 2246 Edgewater Dr. (500-257930-33)

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

Eurofins Chicago

Detection Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2252 Edgewater Dr.

Lab Sample ID: 500-257930-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.32	J	1.0	0.20	ug/L	1		8260D	Total/NA

Client Sample ID: 2165 Green Bay Rd.

Lab Sample ID: 500-257930-2

No Detections.

Client Sample ID: 2258 Edgewater Dr.

Lab Sample ID: 500-257930-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.31	J	1.0	0.20	ug/L	1		8260D	Total/NA

Client Sample ID: 2225 Green Bay Rd

Lab Sample ID: 500-257930-4

No Detections.

Client Sample ID: 2232 Edgewood Dr.

Lab Sample ID: 500-257930-5

No Detections.

Client Sample ID: 2267 Edgewood Dr.

Lab Sample ID: 500-257930-6

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1.3		1.0	0.20	ug/L	1		8260D	Total/NA

Client Sample ID: MW-13S

Lab Sample ID: 500-257930-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.9		1.0	0.42	ug/L	1		8260D	Total/NA
Trichloroethene	11		0.50	0.15	ug/L	1		8260D	Total/NA
Depth to Water (ft from MP)	7.59				ft	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	787.67				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-13B

Lab Sample ID: 500-257930-8

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.1		1.0	0.42	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.83	J	1.0	0.36	ug/L	1		8260D	Total/NA
Trichloroethene	2.7		0.50	0.15	ug/L	1		8260D	Total/NA
Vinyl chloride	0.26	J	1.0	0.20	ug/L	1		8260D	Total/NA
Depth to Water (ft from MP)	8.15				ft	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	787.73				ft	1		Field Sampling	Total/NA

Client Sample ID: 2280 Edgewood Dr.

Lab Sample ID: 500-257930-9

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.21	J	0.50	0.18	ug/L	1		8260D	Total/NA
Ethylbenzene	0.24	J	0.50	0.20	ug/L	1		8260D	Total/NA
Vinyl chloride	0.28	J	1.0	0.20	ug/L	1		8260D	Total/NA

Client Sample ID: MW-6D

Lab Sample ID: 500-257930-10

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	18.03				ft	1		Field Sampling	Total/NA
Field pH	7.58				SU	1		Field Sampling	Total/NA
Field Temperature	16.30				Degrees C	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	781.35				ft	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-6D (Continued)

Lab Sample ID: 500-257930-10

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Specific Conductance	525				umhos/cm	1		Field Sampling	Total/NA

Client Sample ID: MW-6S

Lab Sample ID: 500-257930-11

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	10.47				ft	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	788.99				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-6B

Lab Sample ID: 500-257930-12

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.70	J	1.0	0.42	ug/L	1		8260D	Total/NA
Vinyl chloride	0.48	J	1.0	0.20	ug/L	1		8260D	Total/NA
Depth to Water (ft from MP)	17.70				ft	1		Field Sampling	Total/NA
Field pH	7.22				SU	1		Field Sampling	Total/NA
Field Temperature	10.90				Degrees C	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	781.35				ft	1		Field Sampling	Total/NA
Specific Conductance	800				umhos/cm	1		Field Sampling	Total/NA

Client Sample ID: MW-1B

Lab Sample ID: 500-257930-13

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.1		1.0	0.42	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.49	J	1.0	0.36	ug/L	1		8260D	Total/NA
Depth to Water (ft from MP)	20.94				ft	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	787.37				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-1D

Lab Sample ID: 500-257930-14

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	20.71				ft	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	787.49				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-1S

Lab Sample ID: 500-257930-15

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.49	J	0.50	0.15	ug/L	1		8260D	Total/NA
Depth to Water (ft from MP)	21.32				ft	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	787.51				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-9B

Lab Sample ID: 500-257930-16

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	15		1.0	0.42	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	2.4		1.0	0.36	ug/L	1		8260D	Total/NA
Trichloroethene	0.42	J	0.50	0.15	ug/L	1		8260D	Total/NA
Vinyl chloride	0.39	J	1.0	0.20	ug/L	1		8260D	Total/NA
Depth to Water (ft from MP)	6.82				ft	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	786.9				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-9S

Lab Sample ID: 500-257930-17

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	7.02				ft	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-9S (Continued)

Lab Sample ID: 500-257930-17

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Groundwater Elevation (ft MSL)	787.03				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-2D

Lab Sample ID: 500-257930-18

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	76		1.0	0.42	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.96	J	1.0	0.36	ug/L	1		8260D	Total/NA
Tetrachloroethene	6.6		1.0	0.39	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	2.5		1.0	0.44	ug/L	1		8260D	Total/NA
Trichloroethene	35		0.50	0.15	ug/L	1		8260D	Total/NA
Vinyl chloride	3.3		1.0	0.20	ug/L	1		8260D	Total/NA
Depth to Water (ft from MP)	21.32				ft	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	788.48				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-2S

Lab Sample ID: 500-257930-19

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.2		1.0	0.42	ug/L	1		8260D	Total/NA
Tetrachloroethene	7.0		1.0	0.39	ug/L	1		8260D	Total/NA
Trichloroethene	8.1		0.50	0.15	ug/L	1		8260D	Total/NA
Depth to Water (ft from MP)	22.56				ft	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	787.46				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-12B

Lab Sample ID: 500-257930-20

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	27		1.0	0.42	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	3.5		1.0	0.36	ug/L	1		8260D	Total/NA
Tetrachloroethene	5.5		1.0	0.39	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.97	J	1.0	0.44	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	0.50	J	1.0	0.45	ug/L	1		8260D	Total/NA
Trichloroethene	12		0.50	0.15	ug/L	1		8260D	Total/NA
Vinyl chloride	2.5		1.0	0.20	ug/L	1		8260D	Total/NA
Depth to Water (ft from MP)	31.52				ft	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	786.97				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-12S

Lab Sample ID: 500-257930-21

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	31.21				ft	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	787.53				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-4D

Lab Sample ID: 500-257930-22

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.51	J	1.0	0.42	ug/L	1		8260D	Total/NA
Trichloroethene	0.21	J	0.50	0.15	ug/L	1		8260D	Total/NA
Depth to Water (ft from MP)	15.10				ft	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	787.5				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-3S

Lab Sample ID: 500-257930-23

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.3		1.0	0.42	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-3S (Continued)

Lab Sample ID: 500-257930-23

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.3		1.0	0.39	ug/L	1		8260D	Total/NA
Trichloroethene	1.4		0.50	0.15	ug/L	1		8260D	Total/NA
Depth to Water (ft from MP)	8.88				ft	1		Field Sampling	Total/NA
Field pH	7.16				SU	1		Field Sampling	Total/NA
Field Temperature	16.10				Degrees C	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	787.14				ft	1		Field Sampling	Total/NA
Specific Conductance	780				umhos/cm	1		Field Sampling	Total/NA

Client Sample ID: MW-3D

Lab Sample ID: 500-257930-24

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	25		1.0	0.42	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	1.6		1.0	0.36	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	1.4		1.0	0.44	ug/L	1		8260D	Total/NA
Vinyl chloride	1.2		1.0	0.20	ug/L	1		8260D	Total/NA
Depth to Water (ft from MP)	8.52				ft	1		Field Sampling	Total/NA
Field pH	7.06				SU	1		Field Sampling	Total/NA
Field Temperature	10.80				Degrees C	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	787.3				ft	1		Field Sampling	Total/NA
Specific Conductance	1206				umhos/cm	1		Field Sampling	Total/NA

Client Sample ID: MW-3B1

Lab Sample ID: 500-257930-25

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	18		1.0	0.42	ug/L	1		8260D	Total/NA
Vinyl chloride	11		1.0	0.20	ug/L	1		8260D	Total/NA
Depth to Water (ft from MP)	10.21				ft	1		Field Sampling	Total/NA
Field pH	7.31				SU	1		Field Sampling	Total/NA
Field Temperature	15.50				Degrees C	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	786.29				ft	1		Field Sampling	Total/NA
Specific Conductance	919				umhos/cm	1		Field Sampling	Total/NA

Client Sample ID: MW-3B2

Lab Sample ID: 500-257930-26

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.1		1.0	0.36	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	3.1		1.0	0.48	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	9.2		1.0	0.44	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene - DL	390		10	4.2	ug/L	10		8260D	Total/NA
Vinyl chloride - DL	310		10	2.0	ug/L	10		8260D	Total/NA
Depth to Water (ft from MP)	9.96				ft	1		Field Sampling	Total/NA
Field pH	7.26				SU	1		Field Sampling	Total/NA
Field Temperature	13.60				Degrees C	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	786.37				ft	1		Field Sampling	Total/NA
Specific Conductance	1134				umhos/cm	1		Field Sampling	Total/NA

Client Sample ID: Dup-1

Lab Sample ID: 500-257930-27

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.1		1.0	0.36	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	3.5		1.0	0.48	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	8.7		1.0	0.44	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene - DL	480		10	4.2	ug/L	10		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: Dup-1 (Continued)

Lab Sample ID: 500-257930-27

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride - DL	300		10	2.0	ug/L	10		8260D	Total/NA

Client Sample ID: MW-8S

Lab Sample ID: 500-257930-28

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.3		1.0	0.42	ug/L	1		8260D	Total/NA
Tetrachloroethene	15		1.0	0.39	ug/L	1		8260D	Total/NA
Trichloroethene	8.9		0.50	0.15	ug/L	1		8260D	Total/NA
Depth to Water (ft from MP)	19.18				ft	1		Field Sampling	Total/NA
Field pH	7.13				SU	1		Field Sampling	Total/NA
Field Temperature	11.70				Degrees C	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	788.49				ft	1		Field Sampling	Total/NA
Specific Conductance	766				umhos/cm	1		Field Sampling	Total/NA

Client Sample ID: MW-8B

Lab Sample ID: 500-257930-29

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	13		1.0	0.42	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.89	J	1.0	0.36	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	1.9		1.0	0.44	ug/L	1		8260D	Total/NA
Trichloroethene	0.55		0.50	0.15	ug/L	1		8260D	Total/NA
Vinyl chloride	25		1.0	0.20	ug/L	1		8260D	Total/NA
Depth to Water (ft from MP)	19.54				ft	1		Field Sampling	Total/NA
Field pH	7.19				SU	1		Field Sampling	Total/NA
Field Temperature	10.80				Degrees C	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	788.49				ft	1		Field Sampling	Total/NA
Specific Conductance	1403				umhos/cm	1		Field Sampling	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-257930-30

No Detections.

Client Sample ID: 2217 Green Bay Rd.

Lab Sample ID: 500-257930-31

No Detections.

Client Sample ID: 1945 Tamarack Trail

Lab Sample ID: 500-257930-32

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.4		1.0	0.42	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	4.1		1.0	0.36	ug/L	1		8260D	Total/NA
Trichloroethene	2.4		0.50	0.15	ug/L	1		8260D	Total/NA
Vinyl chloride	0.89	J	1.0	0.20	ug/L	1		8260D	Total/NA

Client Sample ID: 2246 Edgewater Dr.

Lab Sample ID: 500-257930-33

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.38	J	1.0	0.20	ug/L	1		8260D	Total/NA

Client Sample ID: MW-4S

Lab Sample ID: 500-257930-34

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	12.81				ft	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	790.08				ft	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-5S

Lab Sample ID: 500-257930-35

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	6.19				ft	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	794.36				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-5D

Lab Sample ID: 500-257930-36

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	17.77				ft	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	782.67				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-7S

Lab Sample ID: 500-257930-37

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	19.08				ft	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	782.59				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-7D

Lab Sample ID: 500-257930-38

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	23.23				ft	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	778.16				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-11S

Lab Sample ID: 500-257930-39

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	33.96				ft	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	787.07				ft	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Euofins Chicago

Method Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
Field Sampling	Field Sampling	EPA	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-257930-1	2252 Edgewater Dr.	Water	10/01/24 07:00	10/04/24 09:00
500-257930-2	2165 Green Bay Rd.	Water	10/01/24 07:20	10/04/24 09:00
500-257930-3	2258 Edgewater Dr.	Water	10/01/24 07:30	10/04/24 09:00
500-257930-4	2225 Green Bay Rd	Water	10/01/24 08:45	10/04/24 09:00
500-257930-5	2232 Edgewood Dr.	Water	10/01/24 10:35	10/04/24 09:00
500-257930-6	2267 Edgewood Dr.	Water	10/01/24 11:15	10/04/24 09:00
500-257930-7	MW-13S	Water	10/01/24 12:25	10/04/24 09:00
500-257930-8	MW-13B	Water	10/01/24 12:35	10/04/24 09:00
500-257930-9	2280 Edgewood Dr.	Water	10/01/24 11:55	10/04/24 09:00
500-257930-10	MW-6D	Water	10/01/24 13:45	10/04/24 09:00
500-257930-11	MW-6S	Water	10/01/24 13:35	10/04/24 09:00
500-257930-12	MW-6B	Water	10/01/24 13:55	10/04/24 09:00
500-257930-13	MW-1B	Water	10/01/24 14:55	10/04/24 09:00
500-257930-14	MW-1D	Water	10/01/24 15:00	10/04/24 09:00
500-257930-15	MW-1S	Water	10/01/24 15:20	10/04/24 09:00
500-257930-16	MW-9B	Water	10/02/24 08:35	10/04/24 09:00
500-257930-17	MW-9S	Water	10/02/24 08:30	10/04/24 09:00
500-257930-18	MW-2D	Water	10/02/24 09:15	10/04/24 09:00
500-257930-19	MW-2S	Water	10/02/24 09:20	10/04/24 09:00
500-257930-20	MW-12B	Water	10/02/24 09:45	10/04/24 09:00
500-257930-21	MW-12S	Water	10/02/24 09:50	10/04/24 09:00
500-257930-22	MW-4D	Water	10/02/24 10:30	10/04/24 09:00
500-257930-23	MW-3S	Water	10/02/24 10:45	10/04/24 09:00
500-257930-24	MW-3D	Water	10/02/24 10:50	10/04/24 09:00
500-257930-25	MW-3B1	Water	10/02/24 11:33	10/04/24 09:00
500-257930-26	MW-3B2	Water	10/02/24 11:35	10/04/24 09:00
500-257930-27	Dup-1	Water	10/02/24 11:37	10/04/24 09:00
500-257930-28	MW-8S	Water	10/02/24 12:18	10/04/24 09:00
500-257930-29	MW-8B	Water	10/02/24 12:25	10/04/24 09:00
500-257930-30	Trip Blank	Water	10/03/24 00:00	10/04/24 09:00
500-257930-31	2217 Green Bay Rd.	Water	10/03/24 09:00	10/04/24 09:00
500-257930-32	1945 Tamarack Trail	Water	10/03/24 12:05	10/04/24 09:00
500-257930-33	2246 Edgewater Dr.	Water	10/02/24 07:35	10/04/24 09:00
500-257930-34	MW-4S	Water	10/01/24 00:00	10/04/24 09:00
500-257930-35	MW-5S	Water	10/01/24 00:00	10/04/24 09:00
500-257930-36	MW-5D	Water	10/01/24 00:00	10/04/24 09:00
500-257930-37	MW-7S	Water	10/01/24 00:00	10/04/24 09:00
500-257930-38	MW-7D	Water	10/01/24 00:00	10/04/24 09:00
500-257930-39	MW-11S	Water	10/01/24 00:00	10/04/24 09:00

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2252 Edgewater Dr.

Lab Sample ID: 500-257930-1

Date Collected: 10/01/24 07:00

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/12/24 21:48	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/12/24 21:48	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/12/24 21:48	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/12/24 21:48	1
Bromoform	<0.96		1.0	0.96	ug/L			10/12/24 21:48	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/12/24 21:48	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/12/24 21:48	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/12/24 21:48	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/12/24 21:48	1
Chloroform	<0.92		2.0	0.92	ug/L			10/12/24 21:48	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/12/24 21:48	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/12/24 21:48	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/12/24 21:48	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			10/12/24 21:48	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/12/24 21:48	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/12/24 21:48	1
1,2-Dibromo-3-Chloropropane	<3.9	^c	5.0	3.9	ug/L			10/12/24 21:48	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/12/24 21:48	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/12/24 21:48	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/12/24 21:48	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/12/24 21:48	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/24 21:48	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/12/24 21:48	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/12/24 21:48	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/12/24 21:48	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/12/24 21:48	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/12/24 21:48	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/12/24 21:48	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/12/24 21:48	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/12/24 21:48	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/12/24 21:48	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/12/24 21:48	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/12/24 21:48	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/12/24 21:48	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/12/24 21:48	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/12/24 21:48	1
Naphthalene	<0.44	^c	1.0	0.44	ug/L			10/12/24 21:48	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/12/24 21:48	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/12/24 21:48	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/12/24 21:48	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/12/24 21:48	1
Styrene	<0.31		1.0	0.31	ug/L			10/12/24 21:48	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/12/24 21:48	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/12/24 21:48	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/12/24 21:48	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/12/24 21:48	1
Toluene	<0.21		0.50	0.21	ug/L			10/12/24 21:48	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/12/24 21:48	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/12/24 21:48	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2252 Edgewater Dr.

Lab Sample ID: 500-257930-1

Date Collected: 10/01/24 07:00

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/12/24 21:48	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/12/24 21:48	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/12/24 21:48	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/12/24 21:48	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/12/24 21:48	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/12/24 21:48	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/12/24 21:48	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/12/24 21:48	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/12/24 21:48	1
Vinyl chloride	0.32	J	1.0	0.20	ug/L			10/12/24 21:48	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/12/24 21:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		72 - 124		10/12/24 21:48	1
Dibromofluoromethane (Surr)	97		75 - 120		10/12/24 21:48	1
1,2-Dichloroethane-d4 (Surr)	93		75 - 126		10/12/24 21:48	1
Toluene-d8 (Surr)	83		75 - 120		10/12/24 21:48	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2165 Green Bay Rd.

Lab Sample ID: 500-257930-2

Date Collected: 10/01/24 07:20

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/13/24 05:06	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/13/24 05:06	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/13/24 05:06	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/13/24 05:06	1
Bromoform	<0.96		1.0	0.96	ug/L			10/13/24 05:06	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/13/24 05:06	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/13/24 05:06	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 05:06	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/13/24 05:06	1
Chloroform	<0.92		2.0	0.92	ug/L			10/13/24 05:06	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/13/24 05:06	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/13/24 05:06	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/13/24 05:06	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			10/13/24 05:06	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/13/24 05:06	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/13/24 05:06	1
1,2-Dibromo-3-Chloropropane	<3.9	^c	5.0	3.9	ug/L			10/13/24 05:06	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/13/24 05:06	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/13/24 05:06	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/13/24 05:06	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 05:06	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/13/24 05:06	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/13/24 05:06	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/13/24 05:06	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/13/24 05:06	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/13/24 05:06	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/13/24 05:06	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/13/24 05:06	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/13/24 05:06	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/13/24 05:06	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/13/24 05:06	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/13/24 05:06	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 05:06	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/13/24 05:06	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/13/24 05:06	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/13/24 05:06	1
Naphthalene	<0.44	^c	1.0	0.44	ug/L			10/13/24 05:06	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/13/24 05:06	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/13/24 05:06	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/13/24 05:06	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 05:06	1
Styrene	<0.31		1.0	0.31	ug/L			10/13/24 05:06	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 05:06	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/13/24 05:06	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/13/24 05:06	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/13/24 05:06	1
Toluene	<0.21		0.50	0.21	ug/L			10/13/24 05:06	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/13/24 05:06	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/13/24 05:06	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2165 Green Bay Rd.

Lab Sample ID: 500-257930-2

Date Collected: 10/01/24 07:20

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/13/24 05:06	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/13/24 05:06	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/13/24 05:06	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/13/24 05:06	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/13/24 05:06	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/13/24 05:06	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/13/24 05:06	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/13/24 05:06	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 05:06	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/13/24 05:06	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/13/24 05:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		72 - 124		10/13/24 05:06	1
Dibromofluoromethane (Surr)	97		75 - 120		10/13/24 05:06	1
1,2-Dichloroethane-d4 (Surr)	87		75 - 126		10/13/24 05:06	1
Toluene-d8 (Surr)	82		75 - 120		10/13/24 05:06	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2258 Edgewater Dr.

Lab Sample ID: 500-257930-3

Date Collected: 10/01/24 07:30

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/12/24 22:14	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/12/24 22:14	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/12/24 22:14	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/12/24 22:14	1
Bromoform	<0.96		1.0	0.96	ug/L			10/12/24 22:14	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/12/24 22:14	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/12/24 22:14	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/12/24 22:14	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/12/24 22:14	1
Chloroform	<0.92		2.0	0.92	ug/L			10/12/24 22:14	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/12/24 22:14	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/12/24 22:14	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/12/24 22:14	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			10/12/24 22:14	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/12/24 22:14	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/12/24 22:14	1
1,2-Dibromo-3-Chloropropane	<3.9	^c	5.0	3.9	ug/L			10/12/24 22:14	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/12/24 22:14	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/12/24 22:14	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/12/24 22:14	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/12/24 22:14	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/24 22:14	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/12/24 22:14	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/12/24 22:14	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/12/24 22:14	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/12/24 22:14	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/12/24 22:14	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/12/24 22:14	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/12/24 22:14	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/12/24 22:14	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/12/24 22:14	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/12/24 22:14	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/12/24 22:14	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/12/24 22:14	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/12/24 22:14	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/12/24 22:14	1
Naphthalene	<0.44	^c	1.0	0.44	ug/L			10/12/24 22:14	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/12/24 22:14	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/12/24 22:14	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/12/24 22:14	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/12/24 22:14	1
Styrene	<0.31		1.0	0.31	ug/L			10/12/24 22:14	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/12/24 22:14	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/12/24 22:14	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/12/24 22:14	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/12/24 22:14	1
Toluene	<0.21		0.50	0.21	ug/L			10/12/24 22:14	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/12/24 22:14	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/12/24 22:14	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2258 Edgewater Dr.

Lab Sample ID: 500-257930-3

Date Collected: 10/01/24 07:30

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/12/24 22:14	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/12/24 22:14	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/12/24 22:14	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/12/24 22:14	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/12/24 22:14	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/12/24 22:14	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/12/24 22:14	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/12/24 22:14	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/12/24 22:14	1
Vinyl chloride	0.31	J	1.0	0.20	ug/L			10/12/24 22:14	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/12/24 22:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		72 - 124		10/12/24 22:14	1
Dibromofluoromethane (Surr)	97		75 - 120		10/12/24 22:14	1
1,2-Dichloroethane-d4 (Surr)	90		75 - 126		10/12/24 22:14	1
Toluene-d8 (Surr)	81		75 - 120		10/12/24 22:14	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2225 Green Bay Rd

Lab Sample ID: 500-257930-4

Date Collected: 10/01/24 08:45

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/13/24 05:32	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/13/24 05:32	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/13/24 05:32	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/13/24 05:32	1
Bromoform	<0.96		1.0	0.96	ug/L			10/13/24 05:32	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/13/24 05:32	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/13/24 05:32	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 05:32	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/13/24 05:32	1
Chloroform	<0.92		2.0	0.92	ug/L			10/13/24 05:32	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/13/24 05:32	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/13/24 05:32	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/13/24 05:32	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			10/13/24 05:32	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/13/24 05:32	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/13/24 05:32	1
1,2-Dibromo-3-Chloropropane	<3.9	^c	5.0	3.9	ug/L			10/13/24 05:32	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/13/24 05:32	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/13/24 05:32	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/13/24 05:32	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 05:32	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/13/24 05:32	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/13/24 05:32	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/13/24 05:32	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/13/24 05:32	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/13/24 05:32	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/13/24 05:32	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/13/24 05:32	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/13/24 05:32	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/13/24 05:32	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/13/24 05:32	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/13/24 05:32	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 05:32	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/13/24 05:32	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/13/24 05:32	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/13/24 05:32	1
Naphthalene	<0.44	^c	1.0	0.44	ug/L			10/13/24 05:32	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/13/24 05:32	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/13/24 05:32	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/13/24 05:32	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 05:32	1
Styrene	<0.31		1.0	0.31	ug/L			10/13/24 05:32	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 05:32	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/13/24 05:32	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/13/24 05:32	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/13/24 05:32	1
Toluene	<0.21		0.50	0.21	ug/L			10/13/24 05:32	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/13/24 05:32	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/13/24 05:32	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2225 Green Bay Rd

Lab Sample ID: 500-257930-4

Date Collected: 10/01/24 08:45

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/13/24 05:32	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/13/24 05:32	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/13/24 05:32	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/13/24 05:32	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/13/24 05:32	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/13/24 05:32	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/13/24 05:32	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/13/24 05:32	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 05:32	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/13/24 05:32	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/13/24 05:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		72 - 124		10/13/24 05:32	1
Dibromofluoromethane (Surr)	98		75 - 120		10/13/24 05:32	1
1,2-Dichloroethane-d4 (Surr)	89		75 - 126		10/13/24 05:32	1
Toluene-d8 (Surr)	82		75 - 120		10/13/24 05:32	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2232 Edgewood Dr.

Lab Sample ID: 500-257930-5

Date Collected: 10/01/24 10:35

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/12/24 22:40	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/12/24 22:40	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/12/24 22:40	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/12/24 22:40	1
Bromoform	<0.96		1.0	0.96	ug/L			10/12/24 22:40	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/12/24 22:40	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/12/24 22:40	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/12/24 22:40	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/12/24 22:40	1
Chloroform	<0.92		2.0	0.92	ug/L			10/12/24 22:40	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/12/24 22:40	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/12/24 22:40	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/12/24 22:40	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			10/12/24 22:40	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/12/24 22:40	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/12/24 22:40	1
1,2-Dibromo-3-Chloropropane	<3.9	^c	5.0	3.9	ug/L			10/12/24 22:40	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/12/24 22:40	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/12/24 22:40	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/12/24 22:40	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/12/24 22:40	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/24 22:40	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/12/24 22:40	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/12/24 22:40	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/12/24 22:40	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/12/24 22:40	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/12/24 22:40	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/12/24 22:40	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/12/24 22:40	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/12/24 22:40	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/12/24 22:40	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/12/24 22:40	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/12/24 22:40	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/12/24 22:40	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/12/24 22:40	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/12/24 22:40	1
Naphthalene	<0.44	^c	1.0	0.44	ug/L			10/12/24 22:40	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/12/24 22:40	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/12/24 22:40	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/12/24 22:40	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/12/24 22:40	1
Styrene	<0.31		1.0	0.31	ug/L			10/12/24 22:40	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/12/24 22:40	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/12/24 22:40	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/12/24 22:40	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/12/24 22:40	1
Toluene	<0.21		0.50	0.21	ug/L			10/12/24 22:40	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/12/24 22:40	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/12/24 22:40	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2232 Edgewood Dr.

Lab Sample ID: 500-257930-5

Date Collected: 10/01/24 10:35

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/12/24 22:40	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/12/24 22:40	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/12/24 22:40	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/12/24 22:40	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/12/24 22:40	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/12/24 22:40	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/12/24 22:40	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/12/24 22:40	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/12/24 22:40	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/12/24 22:40	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/12/24 22:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		72 - 124		10/12/24 22:40	1
Dibromofluoromethane (Surr)	95		75 - 120		10/12/24 22:40	1
1,2-Dichloroethane-d4 (Surr)	89		75 - 126		10/12/24 22:40	1
Toluene-d8 (Surr)	83		75 - 120		10/12/24 22:40	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2267 Edgewood Dr.

Lab Sample ID: 500-257930-6

Date Collected: 10/01/24 11:15

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/12/24 23:06	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/12/24 23:06	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/12/24 23:06	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/12/24 23:06	1
Bromoform	<0.96		1.0	0.96	ug/L			10/12/24 23:06	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/12/24 23:06	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/12/24 23:06	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/12/24 23:06	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/12/24 23:06	1
Chloroform	<0.92		2.0	0.92	ug/L			10/12/24 23:06	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/12/24 23:06	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/12/24 23:06	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/12/24 23:06	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			10/12/24 23:06	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/12/24 23:06	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/12/24 23:06	1
1,2-Dibromo-3-Chloropropane	<3.9	^c	5.0	3.9	ug/L			10/12/24 23:06	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/12/24 23:06	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/12/24 23:06	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/12/24 23:06	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/12/24 23:06	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/24 23:06	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/12/24 23:06	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/12/24 23:06	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/12/24 23:06	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/12/24 23:06	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/12/24 23:06	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/12/24 23:06	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/12/24 23:06	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/12/24 23:06	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/12/24 23:06	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/12/24 23:06	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/12/24 23:06	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/12/24 23:06	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/12/24 23:06	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/12/24 23:06	1
Naphthalene	<0.44	^c	1.0	0.44	ug/L			10/12/24 23:06	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/12/24 23:06	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/12/24 23:06	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/12/24 23:06	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/12/24 23:06	1
Styrene	<0.31		1.0	0.31	ug/L			10/12/24 23:06	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/12/24 23:06	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/12/24 23:06	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/12/24 23:06	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/12/24 23:06	1
Toluene	<0.21		0.50	0.21	ug/L			10/12/24 23:06	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/12/24 23:06	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/12/24 23:06	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2267 Edgewood Dr.

Lab Sample ID: 500-257930-6

Date Collected: 10/01/24 11:15

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/12/24 23:06	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/12/24 23:06	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/12/24 23:06	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/12/24 23:06	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/12/24 23:06	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/12/24 23:06	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/12/24 23:06	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/12/24 23:06	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/12/24 23:06	1
Vinyl chloride	1.3		1.0	0.20	ug/L			10/12/24 23:06	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/12/24 23:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		72 - 124		10/12/24 23:06	1
Dibromofluoromethane (Surr)	96		75 - 120		10/12/24 23:06	1
1,2-Dichloroethane-d4 (Surr)	92		75 - 126		10/12/24 23:06	1
Toluene-d8 (Surr)	83		75 - 120		10/12/24 23:06	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-13S

Lab Sample ID: 500-257930-7

Date Collected: 10/01/24 12:25

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/12/24 23:31	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/12/24 23:31	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/12/24 23:31	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/12/24 23:31	1
Bromoform	<0.96		1.0	0.96	ug/L			10/12/24 23:31	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/12/24 23:31	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/12/24 23:31	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/12/24 23:31	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/12/24 23:31	1
Chloroform	<0.92		2.0	0.92	ug/L			10/12/24 23:31	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/12/24 23:31	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/12/24 23:31	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/12/24 23:31	1
cis-1,2-Dichloroethene	2.9		1.0	0.42	ug/L			10/12/24 23:31	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/12/24 23:31	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/12/24 23:31	1
1,2-Dibromo-3-Chloropropane	<3.9	^c	5.0	3.9	ug/L			10/12/24 23:31	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/12/24 23:31	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/12/24 23:31	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/12/24 23:31	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/12/24 23:31	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/24 23:31	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/12/24 23:31	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/12/24 23:31	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/12/24 23:31	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/12/24 23:31	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/12/24 23:31	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/12/24 23:31	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/12/24 23:31	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/12/24 23:31	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/12/24 23:31	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/12/24 23:31	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/12/24 23:31	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/12/24 23:31	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/12/24 23:31	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/12/24 23:31	1
Naphthalene	<0.44	^c	1.0	0.44	ug/L			10/12/24 23:31	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/12/24 23:31	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/12/24 23:31	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/12/24 23:31	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/12/24 23:31	1
Styrene	<0.31		1.0	0.31	ug/L			10/12/24 23:31	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/12/24 23:31	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/12/24 23:31	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/12/24 23:31	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/12/24 23:31	1
Toluene	<0.21		0.50	0.21	ug/L			10/12/24 23:31	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/12/24 23:31	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/12/24 23:31	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-13S

Lab Sample ID: 500-257930-7

Date Collected: 10/01/24 12:25

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/12/24 23:31	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/12/24 23:31	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/12/24 23:31	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/12/24 23:31	1
Trichloroethene	11		0.50	0.15	ug/L			10/12/24 23:31	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/12/24 23:31	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/12/24 23:31	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/12/24 23:31	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/12/24 23:31	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/12/24 23:31	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/12/24 23:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		72 - 124		10/12/24 23:31	1
Dibromofluoromethane (Surr)	95		75 - 120		10/12/24 23:31	1
1,2-Dichloroethane-d4 (Surr)	90		75 - 126		10/12/24 23:31	1
Toluene-d8 (Surr)	82		75 - 120		10/12/24 23:31	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	7.59				ft			10/01/24 12:25	1
Groundwater Elevation (ft MSL)	787.67				ft			10/01/24 12:25	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-13B

Lab Sample ID: 500-257930-8

Date Collected: 10/01/24 12:35

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/12/24 23:57	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/12/24 23:57	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/12/24 23:57	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/12/24 23:57	1
Bromoform	<0.96		1.0	0.96	ug/L			10/12/24 23:57	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/12/24 23:57	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/12/24 23:57	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/12/24 23:57	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/12/24 23:57	1
Chloroform	<0.92		2.0	0.92	ug/L			10/12/24 23:57	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/12/24 23:57	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/12/24 23:57	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/12/24 23:57	1
cis-1,2-Dichloroethene	2.1		1.0	0.42	ug/L			10/12/24 23:57	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/12/24 23:57	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/12/24 23:57	1
1,2-Dibromo-3-Chloropropane	<3.9	^c	5.0	3.9	ug/L			10/12/24 23:57	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/12/24 23:57	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/12/24 23:57	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/12/24 23:57	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/12/24 23:57	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/24 23:57	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/12/24 23:57	1
1,1-Dichloroethane	0.83	J	1.0	0.36	ug/L			10/12/24 23:57	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/12/24 23:57	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/12/24 23:57	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/12/24 23:57	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/12/24 23:57	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/12/24 23:57	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/12/24 23:57	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/12/24 23:57	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/12/24 23:57	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/12/24 23:57	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/12/24 23:57	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/12/24 23:57	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/12/24 23:57	1
Naphthalene	<0.44	^c	1.0	0.44	ug/L			10/12/24 23:57	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/12/24 23:57	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/12/24 23:57	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/12/24 23:57	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/12/24 23:57	1
Styrene	<0.31		1.0	0.31	ug/L			10/12/24 23:57	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/12/24 23:57	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/12/24 23:57	1
1,1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/12/24 23:57	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/12/24 23:57	1
Toluene	<0.21		0.50	0.21	ug/L			10/12/24 23:57	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/12/24 23:57	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/12/24 23:57	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-13B

Lab Sample ID: 500-257930-8

Date Collected: 10/01/24 12:35

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/12/24 23:57	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/12/24 23:57	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/12/24 23:57	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/12/24 23:57	1
Trichloroethene	2.7		0.50	0.15	ug/L			10/12/24 23:57	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/12/24 23:57	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/12/24 23:57	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/12/24 23:57	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/12/24 23:57	1
Vinyl chloride	0.26 J		1.0	0.20	ug/L			10/12/24 23:57	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/12/24 23:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		72 - 124		10/12/24 23:57	1
Dibromofluoromethane (Surr)	96		75 - 120		10/12/24 23:57	1
1,2-Dichloroethane-d4 (Surr)	90		75 - 126		10/12/24 23:57	1
Toluene-d8 (Surr)	83		75 - 120		10/12/24 23:57	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	8.15				ft			10/01/24 12:35	1
Groundwater Elevation (ft MSL)	787.73				ft			10/01/24 12:35	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2280 Edgewood Dr.

Lab Sample ID: 500-257930-9

Date Collected: 10/01/24 11:55

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.21	J	0.50	0.18	ug/L			10/13/24 00:23	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/13/24 00:23	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/13/24 00:23	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/13/24 00:23	1
Bromoform	<0.96		1.0	0.96	ug/L			10/13/24 00:23	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/13/24 00:23	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/13/24 00:23	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 00:23	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/13/24 00:23	1
Chloroform	<0.92		2.0	0.92	ug/L			10/13/24 00:23	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/13/24 00:23	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/13/24 00:23	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/13/24 00:23	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			10/13/24 00:23	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/13/24 00:23	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/13/24 00:23	1
1,2-Dibromo-3-Chloropropane	<3.9	^c	5.0	3.9	ug/L			10/13/24 00:23	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/13/24 00:23	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/13/24 00:23	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/13/24 00:23	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 00:23	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/13/24 00:23	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/13/24 00:23	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/13/24 00:23	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/13/24 00:23	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/13/24 00:23	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/13/24 00:23	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/13/24 00:23	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/13/24 00:23	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/13/24 00:23	1
Ethylbenzene	0.24	J	0.50	0.20	ug/L			10/13/24 00:23	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/13/24 00:23	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 00:23	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/13/24 00:23	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/13/24 00:23	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/13/24 00:23	1
Naphthalene	<0.44	^c	1.0	0.44	ug/L			10/13/24 00:23	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/13/24 00:23	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/13/24 00:23	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/13/24 00:23	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 00:23	1
Styrene	<0.31		1.0	0.31	ug/L			10/13/24 00:23	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 00:23	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/13/24 00:23	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/13/24 00:23	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/13/24 00:23	1
Toluene	<0.21		0.50	0.21	ug/L			10/13/24 00:23	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/13/24 00:23	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/13/24 00:23	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2280 Edgewood Dr.

Lab Sample ID: 500-257930-9

Date Collected: 10/01/24 11:55

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/13/24 00:23	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/13/24 00:23	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/13/24 00:23	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/13/24 00:23	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/13/24 00:23	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/13/24 00:23	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/13/24 00:23	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/13/24 00:23	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 00:23	1
Vinyl chloride	0.28 J		1.0	0.20	ug/L			10/13/24 00:23	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/13/24 00:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		72 - 124		10/13/24 00:23	1
Dibromofluoromethane (Surr)	96		75 - 120		10/13/24 00:23	1
1,2-Dichloroethane-d4 (Surr)	91		75 - 126		10/13/24 00:23	1
Toluene-d8 (Surr)	82		75 - 120		10/13/24 00:23	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-6D

Lab Sample ID: 500-257930-10

Date Collected: 10/01/24 13:45

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/13/24 00:49	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/13/24 00:49	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/13/24 00:49	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/13/24 00:49	1
Bromoform	<0.96		1.0	0.96	ug/L			10/13/24 00:49	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/13/24 00:49	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/13/24 00:49	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 00:49	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/13/24 00:49	1
Chloroform	<0.92		2.0	0.92	ug/L			10/13/24 00:49	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/13/24 00:49	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/13/24 00:49	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/13/24 00:49	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			10/13/24 00:49	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/13/24 00:49	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/13/24 00:49	1
1,2-Dibromo-3-Chloropropane	<3.9	^c	5.0	3.9	ug/L			10/13/24 00:49	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/13/24 00:49	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/13/24 00:49	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/13/24 00:49	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 00:49	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/13/24 00:49	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/13/24 00:49	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/13/24 00:49	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/13/24 00:49	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/13/24 00:49	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/13/24 00:49	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/13/24 00:49	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/13/24 00:49	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/13/24 00:49	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/13/24 00:49	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/13/24 00:49	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 00:49	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/13/24 00:49	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/13/24 00:49	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/13/24 00:49	1
Naphthalene	<0.44	^c	1.0	0.44	ug/L			10/13/24 00:49	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/13/24 00:49	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/13/24 00:49	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/13/24 00:49	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 00:49	1
Styrene	<0.31		1.0	0.31	ug/L			10/13/24 00:49	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 00:49	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/13/24 00:49	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/13/24 00:49	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/13/24 00:49	1
Toluene	<0.21		0.50	0.21	ug/L			10/13/24 00:49	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/13/24 00:49	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/13/24 00:49	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-6D

Lab Sample ID: 500-257930-10

Date Collected: 10/01/24 13:45

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/13/24 00:49	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/13/24 00:49	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/13/24 00:49	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/13/24 00:49	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/13/24 00:49	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/13/24 00:49	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/13/24 00:49	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/13/24 00:49	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 00:49	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/13/24 00:49	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/13/24 00:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		72 - 124		10/13/24 00:49	1
Dibromofluoromethane (Surr)	97		75 - 120		10/13/24 00:49	1
1,2-Dichloroethane-d4 (Surr)	90		75 - 126		10/13/24 00:49	1
Toluene-d8 (Surr)	83		75 - 120		10/13/24 00:49	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	18.03				ft			10/01/24 13:45	1
Field pH	7.58				SU			10/01/24 13:45	1
Field Temperature	16.30				Degrees C			10/01/24 13:45	1
Groundwater Elevation (ft MSL)	781.35				ft			10/01/24 13:45	1
Specific Conductance	525				umhos/cm			10/01/24 13:45	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-6S

Lab Sample ID: 500-257930-11

Date Collected: 10/01/24 13:35

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/13/24 01:14	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/13/24 01:14	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/13/24 01:14	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/13/24 01:14	1
Bromoform	<0.96		1.0	0.96	ug/L			10/13/24 01:14	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/13/24 01:14	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/13/24 01:14	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 01:14	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/13/24 01:14	1
Chloroform	<0.92		2.0	0.92	ug/L			10/13/24 01:14	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/13/24 01:14	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/13/24 01:14	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/13/24 01:14	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			10/13/24 01:14	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/13/24 01:14	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/13/24 01:14	1
1,2-Dibromo-3-Chloropropane	<3.9	^c	5.0	3.9	ug/L			10/13/24 01:14	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/13/24 01:14	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/13/24 01:14	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/13/24 01:14	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 01:14	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/13/24 01:14	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/13/24 01:14	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/13/24 01:14	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/13/24 01:14	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/13/24 01:14	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/13/24 01:14	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/13/24 01:14	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/13/24 01:14	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/13/24 01:14	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/13/24 01:14	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/13/24 01:14	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 01:14	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/13/24 01:14	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/13/24 01:14	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/13/24 01:14	1
Naphthalene	<0.44	^c	1.0	0.44	ug/L			10/13/24 01:14	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/13/24 01:14	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/13/24 01:14	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/13/24 01:14	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 01:14	1
Styrene	<0.31		1.0	0.31	ug/L			10/13/24 01:14	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 01:14	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/13/24 01:14	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/13/24 01:14	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/13/24 01:14	1
Toluene	<0.21		0.50	0.21	ug/L			10/13/24 01:14	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/13/24 01:14	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/13/24 01:14	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-6S

Lab Sample ID: 500-257930-11

Date Collected: 10/01/24 13:35

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/13/24 01:14	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/13/24 01:14	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/13/24 01:14	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/13/24 01:14	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/13/24 01:14	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/13/24 01:14	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/13/24 01:14	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/13/24 01:14	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 01:14	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/13/24 01:14	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/13/24 01:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		72 - 124		10/13/24 01:14	1
Dibromofluoromethane (Surr)	100		75 - 120		10/13/24 01:14	1
1,2-Dichloroethane-d4 (Surr)	92		75 - 126		10/13/24 01:14	1
Toluene-d8 (Surr)	83		75 - 120		10/13/24 01:14	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	10.47				ft			10/01/24 13:35	1
Groundwater Elevation (ft MSL)	788.99				ft			10/01/24 13:35	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-6B

Lab Sample ID: 500-257930-12

Date Collected: 10/01/24 13:55

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/13/24 01:40	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/13/24 01:40	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/13/24 01:40	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/13/24 01:40	1
Bromoform	<0.96		1.0	0.96	ug/L			10/13/24 01:40	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/13/24 01:40	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/13/24 01:40	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 01:40	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/13/24 01:40	1
Chloroform	<0.92		2.0	0.92	ug/L			10/13/24 01:40	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/13/24 01:40	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/13/24 01:40	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/13/24 01:40	1
cis-1,2-Dichloroethene	0.70	J	1.0	0.42	ug/L			10/13/24 01:40	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/13/24 01:40	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/13/24 01:40	1
1,2-Dibromo-3-Chloropropane	<3.9	^c	5.0	3.9	ug/L			10/13/24 01:40	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/13/24 01:40	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/13/24 01:40	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/13/24 01:40	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 01:40	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/13/24 01:40	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/13/24 01:40	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/13/24 01:40	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/13/24 01:40	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/13/24 01:40	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/13/24 01:40	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/13/24 01:40	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/13/24 01:40	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/13/24 01:40	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/13/24 01:40	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/13/24 01:40	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 01:40	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/13/24 01:40	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/13/24 01:40	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/13/24 01:40	1
Naphthalene	<0.44	^c	1.0	0.44	ug/L			10/13/24 01:40	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/13/24 01:40	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/13/24 01:40	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/13/24 01:40	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 01:40	1
Styrene	<0.31		1.0	0.31	ug/L			10/13/24 01:40	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 01:40	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/13/24 01:40	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/13/24 01:40	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/13/24 01:40	1
Toluene	<0.21		0.50	0.21	ug/L			10/13/24 01:40	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/13/24 01:40	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/13/24 01:40	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-6B

Lab Sample ID: 500-257930-12

Date Collected: 10/01/24 13:55

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/13/24 01:40	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/13/24 01:40	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/13/24 01:40	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/13/24 01:40	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/13/24 01:40	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/13/24 01:40	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/13/24 01:40	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/13/24 01:40	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 01:40	1
Vinyl chloride	0.48 J		1.0	0.20	ug/L			10/13/24 01:40	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/13/24 01:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		72 - 124		10/13/24 01:40	1
Dibromofluoromethane (Surr)	95		75 - 120		10/13/24 01:40	1
1,2-Dichloroethane-d4 (Surr)	88		75 - 126		10/13/24 01:40	1
Toluene-d8 (Surr)	84		75 - 120		10/13/24 01:40	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	17.70				ft			10/01/24 13:55	1
Field pH	7.22				SU			10/01/24 13:55	1
Field Temperature	10.90				Degrees C			10/01/24 13:55	1
Groundwater Elevation (ft MSL)	781.35				ft			10/01/24 13:55	1
Specific Conductance	800				umhos/cm			10/01/24 13:55	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-1B

Lab Sample ID: 500-257930-13

Date Collected: 10/01/24 14:55

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/13/24 02:06	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/13/24 02:06	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/13/24 02:06	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/13/24 02:06	1
Bromoform	<0.96		1.0	0.96	ug/L			10/13/24 02:06	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/13/24 02:06	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/13/24 02:06	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 02:06	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/13/24 02:06	1
Chloroform	<0.92		2.0	0.92	ug/L			10/13/24 02:06	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/13/24 02:06	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/13/24 02:06	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/13/24 02:06	1
cis-1,2-Dichloroethene	1.1		1.0	0.42	ug/L			10/13/24 02:06	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/13/24 02:06	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/13/24 02:06	1
1,2-Dibromo-3-Chloropropane	<3.9	^c	5.0	3.9	ug/L			10/13/24 02:06	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/13/24 02:06	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/13/24 02:06	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/13/24 02:06	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 02:06	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/13/24 02:06	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/13/24 02:06	1
1,1-Dichloroethane	0.49	J	1.0	0.36	ug/L			10/13/24 02:06	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/13/24 02:06	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/13/24 02:06	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/13/24 02:06	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/13/24 02:06	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/13/24 02:06	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/13/24 02:06	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/13/24 02:06	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/13/24 02:06	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 02:06	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/13/24 02:06	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/13/24 02:06	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/13/24 02:06	1
Naphthalene	<0.44	^c	1.0	0.44	ug/L			10/13/24 02:06	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/13/24 02:06	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/13/24 02:06	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/13/24 02:06	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 02:06	1
Styrene	<0.31		1.0	0.31	ug/L			10/13/24 02:06	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 02:06	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/13/24 02:06	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/13/24 02:06	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/13/24 02:06	1
Toluene	<0.21		0.50	0.21	ug/L			10/13/24 02:06	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/13/24 02:06	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/13/24 02:06	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-1B

Lab Sample ID: 500-257930-13

Date Collected: 10/01/24 14:55

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/13/24 02:06	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/13/24 02:06	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/13/24 02:06	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/13/24 02:06	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/13/24 02:06	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/13/24 02:06	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/13/24 02:06	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/13/24 02:06	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 02:06	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/13/24 02:06	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/13/24 02:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		72 - 124		10/13/24 02:06	1
Dibromofluoromethane (Surr)	96		75 - 120		10/13/24 02:06	1
1,2-Dichloroethane-d4 (Surr)	90		75 - 126		10/13/24 02:06	1
Toluene-d8 (Surr)	82		75 - 120		10/13/24 02:06	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	20.94				ft			10/01/24 14:55	1
Groundwater Elevation (ft MSL)	787.37				ft			10/01/24 14:55	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-1D

Lab Sample ID: 500-257930-14

Date Collected: 10/01/24 15:00

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/13/24 02:31	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/13/24 02:31	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/13/24 02:31	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/13/24 02:31	1
Bromoform	<0.96		1.0	0.96	ug/L			10/13/24 02:31	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/13/24 02:31	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/13/24 02:31	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 02:31	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/13/24 02:31	1
Chloroform	<0.92		2.0	0.92	ug/L			10/13/24 02:31	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/13/24 02:31	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/13/24 02:31	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/13/24 02:31	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			10/13/24 02:31	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/13/24 02:31	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/13/24 02:31	1
1,2-Dibromo-3-Chloropropane	<3.9	^c	5.0	3.9	ug/L			10/13/24 02:31	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/13/24 02:31	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/13/24 02:31	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/13/24 02:31	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 02:31	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/13/24 02:31	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/13/24 02:31	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/13/24 02:31	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/13/24 02:31	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/13/24 02:31	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/13/24 02:31	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/13/24 02:31	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/13/24 02:31	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/13/24 02:31	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/13/24 02:31	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/13/24 02:31	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 02:31	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/13/24 02:31	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/13/24 02:31	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/13/24 02:31	1
Naphthalene	<0.44	^c	1.0	0.44	ug/L			10/13/24 02:31	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/13/24 02:31	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/13/24 02:31	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/13/24 02:31	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 02:31	1
Styrene	<0.31		1.0	0.31	ug/L			10/13/24 02:31	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 02:31	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/13/24 02:31	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/13/24 02:31	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/13/24 02:31	1
Toluene	<0.21		0.50	0.21	ug/L			10/13/24 02:31	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/13/24 02:31	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/13/24 02:31	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-1D

Lab Sample ID: 500-257930-14

Date Collected: 10/01/24 15:00

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/13/24 02:31	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/13/24 02:31	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/13/24 02:31	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/13/24 02:31	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/13/24 02:31	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/13/24 02:31	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/13/24 02:31	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/13/24 02:31	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 02:31	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/13/24 02:31	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/13/24 02:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		72 - 124		10/13/24 02:31	1
Dibromofluoromethane (Surr)	96		75 - 120		10/13/24 02:31	1
1,2-Dichloroethane-d4 (Surr)	91		75 - 126		10/13/24 02:31	1
Toluene-d8 (Surr)	82		75 - 120		10/13/24 02:31	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	20.71				ft			10/01/24 15:00	1
Groundwater Elevation (ft MSL)	787.49				ft			10/01/24 15:00	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-1S

Lab Sample ID: 500-257930-15

Date Collected: 10/01/24 15:20

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/13/24 02:57	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/13/24 02:57	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/13/24 02:57	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/13/24 02:57	1
Bromoform	<0.96		1.0	0.96	ug/L			10/13/24 02:57	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/13/24 02:57	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/13/24 02:57	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 02:57	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/13/24 02:57	1
Chloroform	<0.92		2.0	0.92	ug/L			10/13/24 02:57	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/13/24 02:57	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/13/24 02:57	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/13/24 02:57	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			10/13/24 02:57	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/13/24 02:57	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/13/24 02:57	1
1,2-Dibromo-3-Chloropropane	<3.9	^c	5.0	3.9	ug/L			10/13/24 02:57	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/13/24 02:57	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/13/24 02:57	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/13/24 02:57	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 02:57	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/13/24 02:57	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/13/24 02:57	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/13/24 02:57	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/13/24 02:57	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/13/24 02:57	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/13/24 02:57	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/13/24 02:57	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/13/24 02:57	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/13/24 02:57	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/13/24 02:57	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/13/24 02:57	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 02:57	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/13/24 02:57	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/13/24 02:57	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/13/24 02:57	1
Naphthalene	<0.44	^c	1.0	0.44	ug/L			10/13/24 02:57	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/13/24 02:57	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/13/24 02:57	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/13/24 02:57	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 02:57	1
Styrene	<0.31		1.0	0.31	ug/L			10/13/24 02:57	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 02:57	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/13/24 02:57	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/13/24 02:57	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/13/24 02:57	1
Toluene	<0.21		0.50	0.21	ug/L			10/13/24 02:57	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/13/24 02:57	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/13/24 02:57	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-1S

Lab Sample ID: 500-257930-15

Date Collected: 10/01/24 15:20

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/13/24 02:57	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/13/24 02:57	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/13/24 02:57	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/13/24 02:57	1
Trichloroethene	0.49	J	0.50	0.15	ug/L			10/13/24 02:57	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/13/24 02:57	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/13/24 02:57	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/13/24 02:57	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 02:57	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/13/24 02:57	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/13/24 02:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		72 - 124		10/13/24 02:57	1
Dibromofluoromethane (Surr)	97		75 - 120		10/13/24 02:57	1
1,2-Dichloroethane-d4 (Surr)	90		75 - 126		10/13/24 02:57	1
Toluene-d8 (Surr)	82		75 - 120		10/13/24 02:57	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	21.32				ft			10/01/24 15:20	1
Groundwater Elevation (ft MSL)	787.51				ft			10/01/24 15:20	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-9B

Lab Sample ID: 500-257930-16

Date Collected: 10/02/24 08:35

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/13/24 03:23	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/13/24 03:23	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/13/24 03:23	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/13/24 03:23	1
Bromoform	<0.96		1.0	0.96	ug/L			10/13/24 03:23	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/13/24 03:23	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/13/24 03:23	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 03:23	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/13/24 03:23	1
Chloroform	<0.92		2.0	0.92	ug/L			10/13/24 03:23	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/13/24 03:23	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/13/24 03:23	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/13/24 03:23	1
cis-1,2-Dichloroethene	15		1.0	0.42	ug/L			10/13/24 03:23	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/13/24 03:23	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/13/24 03:23	1
1,2-Dibromo-3-Chloropropane	<3.9	^c	5.0	3.9	ug/L			10/13/24 03:23	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/13/24 03:23	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/13/24 03:23	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/13/24 03:23	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 03:23	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/13/24 03:23	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/13/24 03:23	1
1,1-Dichloroethane	2.4		1.0	0.36	ug/L			10/13/24 03:23	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/13/24 03:23	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/13/24 03:23	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/13/24 03:23	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/13/24 03:23	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/13/24 03:23	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/13/24 03:23	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/13/24 03:23	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/13/24 03:23	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 03:23	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/13/24 03:23	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/13/24 03:23	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/13/24 03:23	1
Naphthalene	<0.44	^c	1.0	0.44	ug/L			10/13/24 03:23	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/13/24 03:23	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/13/24 03:23	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/13/24 03:23	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 03:23	1
Styrene	<0.31		1.0	0.31	ug/L			10/13/24 03:23	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 03:23	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/13/24 03:23	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/13/24 03:23	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/13/24 03:23	1
Toluene	<0.21		0.50	0.21	ug/L			10/13/24 03:23	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/13/24 03:23	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/13/24 03:23	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-9B

Lab Sample ID: 500-257930-16

Date Collected: 10/02/24 08:35

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/13/24 03:23	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/13/24 03:23	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/13/24 03:23	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/13/24 03:23	1
Trichloroethene	0.42	J	0.50	0.15	ug/L			10/13/24 03:23	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/13/24 03:23	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/13/24 03:23	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/13/24 03:23	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 03:23	1
Vinyl chloride	0.39	J	1.0	0.20	ug/L			10/13/24 03:23	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/13/24 03:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		72 - 124		10/13/24 03:23	1
Dibromofluoromethane (Surr)	97		75 - 120		10/13/24 03:23	1
1,2-Dichloroethane-d4 (Surr)	89		75 - 126		10/13/24 03:23	1
Toluene-d8 (Surr)	83		75 - 120		10/13/24 03:23	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	6.82				ft			10/02/24 08:35	1
Groundwater Elevation (ft MSL)	786.9				ft			10/02/24 08:35	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-9S

Lab Sample ID: 500-257930-17

Date Collected: 10/02/24 08:30

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/13/24 03:49	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/13/24 03:49	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/13/24 03:49	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/13/24 03:49	1
Bromoform	<0.96		1.0	0.96	ug/L			10/13/24 03:49	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/13/24 03:49	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/13/24 03:49	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 03:49	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/13/24 03:49	1
Chloroform	<0.92		2.0	0.92	ug/L			10/13/24 03:49	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/13/24 03:49	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/13/24 03:49	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/13/24 03:49	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			10/13/24 03:49	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/13/24 03:49	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/13/24 03:49	1
1,2-Dibromo-3-Chloropropane	<3.9	^c	5.0	3.9	ug/L			10/13/24 03:49	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/13/24 03:49	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/13/24 03:49	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/13/24 03:49	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 03:49	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/13/24 03:49	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/13/24 03:49	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/13/24 03:49	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/13/24 03:49	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/13/24 03:49	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/13/24 03:49	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/13/24 03:49	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/13/24 03:49	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/13/24 03:49	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/13/24 03:49	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/13/24 03:49	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 03:49	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/13/24 03:49	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/13/24 03:49	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/13/24 03:49	1
Naphthalene	<0.44	^c	1.0	0.44	ug/L			10/13/24 03:49	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/13/24 03:49	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/13/24 03:49	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/13/24 03:49	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 03:49	1
Styrene	<0.31		1.0	0.31	ug/L			10/13/24 03:49	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 03:49	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/13/24 03:49	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/13/24 03:49	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/13/24 03:49	1
Toluene	<0.21		0.50	0.21	ug/L			10/13/24 03:49	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/13/24 03:49	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/13/24 03:49	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-9S

Lab Sample ID: 500-257930-17

Date Collected: 10/02/24 08:30

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/13/24 03:49	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/13/24 03:49	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/13/24 03:49	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/13/24 03:49	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/13/24 03:49	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/13/24 03:49	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/13/24 03:49	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/13/24 03:49	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 03:49	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/13/24 03:49	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/13/24 03:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		72 - 124		10/13/24 03:49	1
Dibromofluoromethane (Surr)	96		75 - 120		10/13/24 03:49	1
1,2-Dichloroethane-d4 (Surr)	91		75 - 126		10/13/24 03:49	1
Toluene-d8 (Surr)	82		75 - 120		10/13/24 03:49	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	7.02				ft			10/02/24 08:30	1
Groundwater Elevation (ft MSL)	787.03				ft			10/02/24 08:30	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-2D

Lab Sample ID: 500-257930-18

Date Collected: 10/02/24 09:15

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/13/24 04:14	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/13/24 04:14	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/13/24 04:14	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/13/24 04:14	1
Bromoform	<0.96		1.0	0.96	ug/L			10/13/24 04:14	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/13/24 04:14	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/13/24 04:14	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 04:14	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/13/24 04:14	1
Chloroform	<0.92		2.0	0.92	ug/L			10/13/24 04:14	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/13/24 04:14	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/13/24 04:14	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/13/24 04:14	1
cis-1,2-Dichloroethene	76		1.0	0.42	ug/L			10/13/24 04:14	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/13/24 04:14	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/13/24 04:14	1
1,2-Dibromo-3-Chloropropane	<3.9	^c	5.0	3.9	ug/L			10/13/24 04:14	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/13/24 04:14	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/13/24 04:14	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/13/24 04:14	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/13/24 04:14	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/13/24 04:14	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/13/24 04:14	1
1,1-Dichloroethane	0.96	J	1.0	0.36	ug/L			10/13/24 04:14	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/13/24 04:14	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/13/24 04:14	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/13/24 04:14	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/13/24 04:14	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/13/24 04:14	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/13/24 04:14	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/13/24 04:14	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/13/24 04:14	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 04:14	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/13/24 04:14	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/13/24 04:14	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/13/24 04:14	1
Naphthalene	<0.44	^c	1.0	0.44	ug/L			10/13/24 04:14	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/13/24 04:14	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/13/24 04:14	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/13/24 04:14	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 04:14	1
Styrene	<0.31		1.0	0.31	ug/L			10/13/24 04:14	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/13/24 04:14	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/13/24 04:14	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/13/24 04:14	1
Tetrachloroethene	6.6		1.0	0.39	ug/L			10/13/24 04:14	1
Toluene	<0.21		0.50	0.21	ug/L			10/13/24 04:14	1
trans-1,2-Dichloroethene	2.5		1.0	0.44	ug/L			10/13/24 04:14	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/13/24 04:14	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-2D

Lab Sample ID: 500-257930-18

Date Collected: 10/02/24 09:15

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/13/24 04:14	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/13/24 04:14	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/13/24 04:14	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/13/24 04:14	1
Trichloroethene	35		0.50	0.15	ug/L			10/13/24 04:14	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/13/24 04:14	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/13/24 04:14	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/13/24 04:14	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/13/24 04:14	1
Vinyl chloride	3.3		1.0	0.20	ug/L			10/13/24 04:14	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/13/24 04:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		72 - 124		10/13/24 04:14	1
Dibromofluoromethane (Surr)	96		75 - 120		10/13/24 04:14	1
1,2-Dichloroethane-d4 (Surr)	88		75 - 126		10/13/24 04:14	1
Toluene-d8 (Surr)	83		75 - 120		10/13/24 04:14	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	21.32				ft			10/02/24 09:15	1
Groundwater Elevation (ft MSL)	788.48				ft			10/02/24 09:15	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-2S

Lab Sample ID: 500-257930-19

Date Collected: 10/02/24 09:20

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/14/24 14:51	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/14/24 14:51	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/14/24 14:51	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/14/24 14:51	1
Bromoform	<0.96		1.0	0.96	ug/L			10/14/24 14:51	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/14/24 14:51	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/14/24 14:51	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 14:51	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/14/24 14:51	1
Chloroform	<0.92		2.0	0.92	ug/L			10/14/24 14:51	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/14/24 14:51	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/14/24 14:51	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/14/24 14:51	1
cis-1,2-Dichloroethene	2.2		1.0	0.42	ug/L			10/14/24 14:51	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/14/24 14:51	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/14/24 14:51	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			10/14/24 14:51	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/14/24 14:51	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/14/24 14:51	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/14/24 14:51	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 14:51	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/24 14:51	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/14/24 14:51	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/14/24 14:51	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/14/24 14:51	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/14/24 14:51	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/14/24 14:51	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/14/24 14:51	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/14/24 14:51	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/14/24 14:51	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/14/24 14:51	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/14/24 14:51	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 14:51	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/14/24 14:51	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/14/24 14:51	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/14/24 14:51	1
Naphthalene	<0.44		1.0	0.44	ug/L			10/14/24 14:51	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/14/24 14:51	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/14/24 14:51	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/14/24 14:51	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 14:51	1
Styrene	<0.31		1.0	0.31	ug/L			10/14/24 14:51	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 14:51	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/14/24 14:51	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/14/24 14:51	1
Tetrachloroethene	7.0		1.0	0.39	ug/L			10/14/24 14:51	1
Toluene	<0.21		0.50	0.21	ug/L			10/14/24 14:51	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/14/24 14:51	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/14/24 14:51	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-2S

Lab Sample ID: 500-257930-19

Date Collected: 10/02/24 09:20

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/14/24 14:51	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/14/24 14:51	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/14/24 14:51	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/14/24 14:51	1
Trichloroethene	8.1		0.50	0.15	ug/L			10/14/24 14:51	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/14/24 14:51	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/14/24 14:51	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/14/24 14:51	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 14:51	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/14/24 14:51	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/14/24 14:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		72 - 124		10/14/24 14:51	1
Dibromofluoromethane (Surr)	103		75 - 120		10/14/24 14:51	1
1,2-Dichloroethane-d4 (Surr)	111		75 - 126		10/14/24 14:51	1
Toluene-d8 (Surr)	98		75 - 120		10/14/24 14:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	22.56				ft			10/02/24 09:20	1
Groundwater Elevation (ft MSL)	787.46				ft			10/02/24 09:20	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-12B

Lab Sample ID: 500-257930-20

Date Collected: 10/02/24 09:45

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/14/24 15:14	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/14/24 15:14	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/14/24 15:14	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/14/24 15:14	1
Bromoform	<0.96		1.0	0.96	ug/L			10/14/24 15:14	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/14/24 15:14	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/14/24 15:14	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 15:14	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/14/24 15:14	1
Chloroform	<0.92		2.0	0.92	ug/L			10/14/24 15:14	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/14/24 15:14	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/14/24 15:14	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/14/24 15:14	1
cis-1,2-Dichloroethene	27		1.0	0.42	ug/L			10/14/24 15:14	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/14/24 15:14	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/14/24 15:14	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			10/14/24 15:14	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/14/24 15:14	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/14/24 15:14	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/14/24 15:14	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 15:14	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/24 15:14	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/14/24 15:14	1
1,1-Dichloroethane	3.5		1.0	0.36	ug/L			10/14/24 15:14	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/14/24 15:14	1
1,1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/14/24 15:14	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/14/24 15:14	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/14/24 15:14	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/14/24 15:14	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/14/24 15:14	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/14/24 15:14	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/14/24 15:14	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 15:14	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/14/24 15:14	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/14/24 15:14	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/14/24 15:14	1
Naphthalene	<0.44		1.0	0.44	ug/L			10/14/24 15:14	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/14/24 15:14	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/14/24 15:14	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/14/24 15:14	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 15:14	1
Styrene	<0.31		1.0	0.31	ug/L			10/14/24 15:14	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 15:14	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/14/24 15:14	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/14/24 15:14	1
Tetrachloroethene	5.5		1.0	0.39	ug/L			10/14/24 15:14	1
Toluene	<0.21		0.50	0.21	ug/L			10/14/24 15:14	1
trans-1,2-Dichloroethene	0.97 J		1.0	0.44	ug/L			10/14/24 15:14	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/14/24 15:14	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-12B

Lab Sample ID: 500-257930-20

Date Collected: 10/02/24 09:45

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/14/24 15:14	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/14/24 15:14	1
1,1,1-Trichloroethane	0.50	J	1.0	0.45	ug/L			10/14/24 15:14	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/14/24 15:14	1
Trichloroethene	12		0.50	0.15	ug/L			10/14/24 15:14	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/14/24 15:14	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/14/24 15:14	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/14/24 15:14	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 15:14	1
Vinyl chloride	2.5		1.0	0.20	ug/L			10/14/24 15:14	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/14/24 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		72 - 124		10/14/24 15:14	1
Dibromofluoromethane (Surr)	102		75 - 120		10/14/24 15:14	1
1,2-Dichloroethane-d4 (Surr)	110		75 - 126		10/14/24 15:14	1
Toluene-d8 (Surr)	99		75 - 120		10/14/24 15:14	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	31.52				ft			10/02/24 09:45	1
Groundwater Elevation (ft MSL)	786.97				ft			10/02/24 09:45	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-12S

Lab Sample ID: 500-257930-21

Date Collected: 10/02/24 09:50

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/14/24 15:38	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/14/24 15:38	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/14/24 15:38	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/14/24 15:38	1
Bromoform	<0.96		1.0	0.96	ug/L			10/14/24 15:38	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/14/24 15:38	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/14/24 15:38	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 15:38	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/14/24 15:38	1
Chloroform	<0.92		2.0	0.92	ug/L			10/14/24 15:38	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/14/24 15:38	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/14/24 15:38	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/14/24 15:38	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			10/14/24 15:38	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/14/24 15:38	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/14/24 15:38	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			10/14/24 15:38	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/14/24 15:38	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/14/24 15:38	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/14/24 15:38	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 15:38	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/24 15:38	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/14/24 15:38	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/14/24 15:38	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/14/24 15:38	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/14/24 15:38	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/14/24 15:38	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/14/24 15:38	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/14/24 15:38	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/14/24 15:38	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/14/24 15:38	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/14/24 15:38	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 15:38	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/14/24 15:38	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/14/24 15:38	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/14/24 15:38	1
Naphthalene	<0.44		1.0	0.44	ug/L			10/14/24 15:38	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/14/24 15:38	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/14/24 15:38	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/14/24 15:38	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 15:38	1
Styrene	<0.31		1.0	0.31	ug/L			10/14/24 15:38	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 15:38	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/14/24 15:38	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/14/24 15:38	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/14/24 15:38	1
Toluene	<0.21		0.50	0.21	ug/L			10/14/24 15:38	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/14/24 15:38	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/14/24 15:38	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-12S

Lab Sample ID: 500-257930-21

Date Collected: 10/02/24 09:50

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/14/24 15:38	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/14/24 15:38	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/14/24 15:38	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/14/24 15:38	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/14/24 15:38	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/14/24 15:38	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/14/24 15:38	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/14/24 15:38	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 15:38	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/14/24 15:38	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/14/24 15:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		72 - 124		10/14/24 15:38	1
Dibromofluoromethane (Surr)	100		75 - 120		10/14/24 15:38	1
1,2-Dichloroethane-d4 (Surr)	112		75 - 126		10/14/24 15:38	1
Toluene-d8 (Surr)	99		75 - 120		10/14/24 15:38	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	31.21				ft			10/02/24 09:50	1
Groundwater Elevation (ft MSL)	787.53				ft			10/02/24 09:50	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-4D

Lab Sample ID: 500-257930-22

Date Collected: 10/02/24 10:30

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/14/24 16:01	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/14/24 16:01	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/14/24 16:01	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/14/24 16:01	1
Bromoform	<0.96		1.0	0.96	ug/L			10/14/24 16:01	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/14/24 16:01	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/14/24 16:01	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 16:01	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/14/24 16:01	1
Chloroform	<0.92		2.0	0.92	ug/L			10/14/24 16:01	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/14/24 16:01	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/14/24 16:01	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/14/24 16:01	1
cis-1,2-Dichloroethene	0.51	J	1.0	0.42	ug/L			10/14/24 16:01	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/14/24 16:01	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/14/24 16:01	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			10/14/24 16:01	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/14/24 16:01	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/14/24 16:01	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/14/24 16:01	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 16:01	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/24 16:01	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/14/24 16:01	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/14/24 16:01	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/14/24 16:01	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/14/24 16:01	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/14/24 16:01	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/14/24 16:01	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/14/24 16:01	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/14/24 16:01	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/14/24 16:01	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/14/24 16:01	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 16:01	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/14/24 16:01	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/14/24 16:01	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/14/24 16:01	1
Naphthalene	<0.44		1.0	0.44	ug/L			10/14/24 16:01	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/14/24 16:01	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/14/24 16:01	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/14/24 16:01	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 16:01	1
Styrene	<0.31		1.0	0.31	ug/L			10/14/24 16:01	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 16:01	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/14/24 16:01	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/14/24 16:01	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/14/24 16:01	1
Toluene	<0.21		0.50	0.21	ug/L			10/14/24 16:01	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/14/24 16:01	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/14/24 16:01	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-4D

Lab Sample ID: 500-257930-22

Date Collected: 10/02/24 10:30

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/14/24 16:01	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/14/24 16:01	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/14/24 16:01	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/14/24 16:01	1
Trichloroethene	0.21	J	0.50	0.15	ug/L			10/14/24 16:01	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/14/24 16:01	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/14/24 16:01	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/14/24 16:01	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 16:01	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/14/24 16:01	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/14/24 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		72 - 124		10/14/24 16:01	1
Dibromofluoromethane (Surr)	104		75 - 120		10/14/24 16:01	1
1,2-Dichloroethane-d4 (Surr)	115		75 - 126		10/14/24 16:01	1
Toluene-d8 (Surr)	98		75 - 120		10/14/24 16:01	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	15.10				ft			10/02/24 10:30	1
Groundwater Elevation (ft MSL)	787.5				ft			10/02/24 10:30	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-3S

Lab Sample ID: 500-257930-23

Date Collected: 10/02/24 10:45

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/14/24 16:24	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/14/24 16:24	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/14/24 16:24	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/14/24 16:24	1
Bromoform	<0.96		1.0	0.96	ug/L			10/14/24 16:24	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/14/24 16:24	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/14/24 16:24	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 16:24	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/14/24 16:24	1
Chloroform	<0.92		2.0	0.92	ug/L			10/14/24 16:24	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/14/24 16:24	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/14/24 16:24	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/14/24 16:24	1
cis-1,2-Dichloroethene	2.3		1.0	0.42	ug/L			10/14/24 16:24	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/14/24 16:24	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/14/24 16:24	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			10/14/24 16:24	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/14/24 16:24	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/14/24 16:24	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/14/24 16:24	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 16:24	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/24 16:24	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/14/24 16:24	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/14/24 16:24	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/14/24 16:24	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/14/24 16:24	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/14/24 16:24	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/14/24 16:24	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/14/24 16:24	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/14/24 16:24	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/14/24 16:24	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/14/24 16:24	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 16:24	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/14/24 16:24	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/14/24 16:24	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/14/24 16:24	1
Naphthalene	<0.44		1.0	0.44	ug/L			10/14/24 16:24	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/14/24 16:24	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/14/24 16:24	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/14/24 16:24	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 16:24	1
Styrene	<0.31		1.0	0.31	ug/L			10/14/24 16:24	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 16:24	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/14/24 16:24	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/14/24 16:24	1
Tetrachloroethene	1.3		1.0	0.39	ug/L			10/14/24 16:24	1
Toluene	<0.21		0.50	0.21	ug/L			10/14/24 16:24	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/14/24 16:24	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/14/24 16:24	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-3S

Lab Sample ID: 500-257930-23

Date Collected: 10/02/24 10:45

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/14/24 16:24	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/14/24 16:24	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/14/24 16:24	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/14/24 16:24	1
Trichloroethene	1.4		0.50	0.15	ug/L			10/14/24 16:24	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/14/24 16:24	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/14/24 16:24	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/14/24 16:24	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 16:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/14/24 16:24	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/14/24 16:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		72 - 124		10/14/24 16:24	1
Dibromofluoromethane (Surr)	100		75 - 120		10/14/24 16:24	1
1,2-Dichloroethane-d4 (Surr)	112		75 - 126		10/14/24 16:24	1
Toluene-d8 (Surr)	100		75 - 120		10/14/24 16:24	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	8.88				ft			10/02/24 10:45	1
Field pH	7.16				SU			10/02/24 10:45	1
Field Temperature	16.10				Degrees C			10/02/24 10:45	1
Groundwater Elevation (ft MSL)	787.14				ft			10/02/24 10:45	1
Specific Conductance	780				umhos/cm			10/02/24 10:45	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-3D

Lab Sample ID: 500-257930-24

Date Collected: 10/02/24 10:50

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/14/24 16:47	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/14/24 16:47	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/14/24 16:47	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/14/24 16:47	1
Bromoform	<0.96		1.0	0.96	ug/L			10/14/24 16:47	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/14/24 16:47	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/14/24 16:47	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 16:47	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/14/24 16:47	1
Chloroform	<0.92		2.0	0.92	ug/L			10/14/24 16:47	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/14/24 16:47	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/14/24 16:47	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/14/24 16:47	1
cis-1,2-Dichloroethene	25		1.0	0.42	ug/L			10/14/24 16:47	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/14/24 16:47	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/14/24 16:47	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			10/14/24 16:47	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/14/24 16:47	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/14/24 16:47	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/14/24 16:47	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 16:47	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/24 16:47	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/14/24 16:47	1
1,1-Dichloroethane	1.6		1.0	0.36	ug/L			10/14/24 16:47	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/14/24 16:47	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/14/24 16:47	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/14/24 16:47	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/14/24 16:47	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/14/24 16:47	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/14/24 16:47	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/14/24 16:47	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/14/24 16:47	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 16:47	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/14/24 16:47	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/14/24 16:47	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/14/24 16:47	1
Naphthalene	<0.44		1.0	0.44	ug/L			10/14/24 16:47	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/14/24 16:47	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/14/24 16:47	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/14/24 16:47	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 16:47	1
Styrene	<0.31		1.0	0.31	ug/L			10/14/24 16:47	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 16:47	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/14/24 16:47	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/14/24 16:47	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/14/24 16:47	1
Toluene	<0.21		0.50	0.21	ug/L			10/14/24 16:47	1
trans-1,2-Dichloroethene	1.4		1.0	0.44	ug/L			10/14/24 16:47	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/14/24 16:47	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-3D

Lab Sample ID: 500-257930-24

Date Collected: 10/02/24 10:50

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/14/24 16:47	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/14/24 16:47	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/14/24 16:47	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/14/24 16:47	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/14/24 16:47	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/14/24 16:47	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/14/24 16:47	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/14/24 16:47	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 16:47	1
Vinyl chloride	1.2		1.0	0.20	ug/L			10/14/24 16:47	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/14/24 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		72 - 124		10/14/24 16:47	1
Dibromofluoromethane (Surr)	104		75 - 120		10/14/24 16:47	1
1,2-Dichloroethane-d4 (Surr)	111		75 - 126		10/14/24 16:47	1
Toluene-d8 (Surr)	100		75 - 120		10/14/24 16:47	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	8.52				ft			10/02/24 10:50	1
Field pH	7.06				SU			10/02/24 10:50	1
Field Temperature	10.80				Degrees C			10/02/24 10:50	1
Groundwater Elevation (ft MSL)	787.3				ft			10/02/24 10:50	1
Specific Conductance	1206				umhos/cm			10/02/24 10:50	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-3B1

Lab Sample ID: 500-257930-25

Date Collected: 10/02/24 11:33

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/14/24 17:10	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/14/24 17:10	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/14/24 17:10	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/14/24 17:10	1
Bromoform	<0.96		1.0	0.96	ug/L			10/14/24 17:10	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/14/24 17:10	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/14/24 17:10	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 17:10	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/14/24 17:10	1
Chloroform	<0.92		2.0	0.92	ug/L			10/14/24 17:10	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/14/24 17:10	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/14/24 17:10	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/14/24 17:10	1
cis-1,2-Dichloroethene	18		1.0	0.42	ug/L			10/14/24 17:10	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/14/24 17:10	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/14/24 17:10	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			10/14/24 17:10	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/14/24 17:10	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/14/24 17:10	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/14/24 17:10	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 17:10	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/24 17:10	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/14/24 17:10	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/14/24 17:10	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/14/24 17:10	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/14/24 17:10	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/14/24 17:10	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/14/24 17:10	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/14/24 17:10	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/14/24 17:10	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/14/24 17:10	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/14/24 17:10	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 17:10	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/14/24 17:10	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/14/24 17:10	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/14/24 17:10	1
Naphthalene	<0.44		1.0	0.44	ug/L			10/14/24 17:10	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/14/24 17:10	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/14/24 17:10	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/14/24 17:10	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 17:10	1
Styrene	<0.31		1.0	0.31	ug/L			10/14/24 17:10	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 17:10	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/14/24 17:10	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/14/24 17:10	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/14/24 17:10	1
Toluene	<0.21		0.50	0.21	ug/L			10/14/24 17:10	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/14/24 17:10	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/14/24 17:10	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-3B1

Lab Sample ID: 500-257930-25

Date Collected: 10/02/24 11:33

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/14/24 17:10	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/14/24 17:10	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/14/24 17:10	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/14/24 17:10	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/14/24 17:10	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/14/24 17:10	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/14/24 17:10	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/14/24 17:10	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 17:10	1
Vinyl chloride	11		1.0	0.20	ug/L			10/14/24 17:10	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/14/24 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		72 - 124		10/14/24 17:10	1
Dibromofluoromethane (Surr)	101		75 - 120		10/14/24 17:10	1
1,2-Dichloroethane-d4 (Surr)	111		75 - 126		10/14/24 17:10	1
Toluene-d8 (Surr)	99		75 - 120		10/14/24 17:10	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	10.21				ft			10/02/24 11:33	1
Field pH	7.31				SU			10/02/24 11:33	1
Field Temperature	15.50				Degrees C			10/02/24 11:33	1
Groundwater Elevation (ft MSL)	786.29				ft			10/02/24 11:33	1
Specific Conductance	919				umhos/cm			10/02/24 11:33	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-3B2

Lab Sample ID: 500-257930-26

Date Collected: 10/02/24 11:35

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/14/24 17:33	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/14/24 17:33	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/14/24 17:33	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/14/24 17:33	1
Bromoform	<0.96		1.0	0.96	ug/L			10/14/24 17:33	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/14/24 17:33	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/14/24 17:33	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 17:33	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/14/24 17:33	1
Chloroform	<0.92		2.0	0.92	ug/L			10/14/24 17:33	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/14/24 17:33	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/14/24 17:33	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/14/24 17:33	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/14/24 17:33	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/14/24 17:33	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			10/14/24 17:33	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/14/24 17:33	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/14/24 17:33	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/14/24 17:33	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 17:33	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/24 17:33	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/14/24 17:33	1
1,1-Dichloroethane	2.1		1.0	0.36	ug/L			10/14/24 17:33	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/14/24 17:33	1
1,1-Dichloroethene	3.1		1.0	0.48	ug/L			10/14/24 17:33	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/14/24 17:33	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/14/24 17:33	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/14/24 17:33	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/14/24 17:33	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/14/24 17:33	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/14/24 17:33	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 17:33	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/14/24 17:33	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/14/24 17:33	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/14/24 17:33	1
Naphthalene	<0.44		1.0	0.44	ug/L			10/14/24 17:33	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/14/24 17:33	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/14/24 17:33	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/14/24 17:33	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 17:33	1
Styrene	<0.31		1.0	0.31	ug/L			10/14/24 17:33	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 17:33	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/14/24 17:33	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/14/24 17:33	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/14/24 17:33	1
Toluene	<0.21		0.50	0.21	ug/L			10/14/24 17:33	1
trans-1,2-Dichloroethene	9.2		1.0	0.44	ug/L			10/14/24 17:33	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/14/24 17:33	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/14/24 17:33	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-3B2

Lab Sample ID: 500-257930-26

Date Collected: 10/02/24 11:35

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/14/24 17:33	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/14/24 17:33	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/14/24 17:33	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/14/24 17:33	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/14/24 17:33	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/14/24 17:33	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/14/24 17:33	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 17:33	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/14/24 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		72 - 124		10/14/24 17:33	1
Dibromofluoromethane (Surr)	103		75 - 120		10/14/24 17:33	1
1,2-Dichloroethane-d4 (Surr)	110		75 - 126		10/14/24 17:33	1
Toluene-d8 (Surr)	99		75 - 120		10/14/24 17:33	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	390		10	4.2	ug/L			10/14/24 17:56	10
Vinyl chloride	310		10	2.0	ug/L			10/14/24 17:56	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		72 - 124		10/14/24 17:56	10
Dibromofluoromethane (Surr)	104		75 - 120		10/14/24 17:56	10
1,2-Dichloroethane-d4 (Surr)	115		75 - 126		10/14/24 17:56	10
Toluene-d8 (Surr)	98		75 - 120		10/14/24 17:56	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	9.96				ft			10/02/24 11:35	1
Field pH	7.26				SU			10/02/24 11:35	1
Field Temperature	13.60				Degrees C			10/02/24 11:35	1
Groundwater Elevation (ft MSL)	786.37				ft			10/02/24 11:35	1
Specific Conductance	1134				umhos/cm			10/02/24 11:35	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: Dup-1

Lab Sample ID: 500-257930-27

Date Collected: 10/02/24 11:37

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/14/24 18:19	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/14/24 18:19	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/14/24 18:19	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/14/24 18:19	1
Bromoform	<0.96		1.0	0.96	ug/L			10/14/24 18:19	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/14/24 18:19	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/14/24 18:19	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 18:19	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/14/24 18:19	1
Chloroform	<0.92		2.0	0.92	ug/L			10/14/24 18:19	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/14/24 18:19	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/14/24 18:19	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/14/24 18:19	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/14/24 18:19	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/14/24 18:19	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			10/14/24 18:19	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/14/24 18:19	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/14/24 18:19	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/14/24 18:19	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 18:19	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/24 18:19	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/14/24 18:19	1
1,1-Dichloroethane	2.1		1.0	0.36	ug/L			10/14/24 18:19	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/14/24 18:19	1
1,1-Dichloroethene	3.5		1.0	0.48	ug/L			10/14/24 18:19	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/14/24 18:19	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/14/24 18:19	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/14/24 18:19	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/14/24 18:19	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/14/24 18:19	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/14/24 18:19	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 18:19	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/14/24 18:19	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/14/24 18:19	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/14/24 18:19	1
Naphthalene	<0.44		1.0	0.44	ug/L			10/14/24 18:19	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/14/24 18:19	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/14/24 18:19	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/14/24 18:19	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 18:19	1
Styrene	<0.31		1.0	0.31	ug/L			10/14/24 18:19	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 18:19	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/14/24 18:19	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/14/24 18:19	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/14/24 18:19	1
Toluene	<0.21		0.50	0.21	ug/L			10/14/24 18:19	1
trans-1,2-Dichloroethene	8.7		1.0	0.44	ug/L			10/14/24 18:19	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/14/24 18:19	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/14/24 18:19	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: Dup-1

Lab Sample ID: 500-257930-27

Date Collected: 10/02/24 11:37

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/14/24 18:19	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/14/24 18:19	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/14/24 18:19	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/14/24 18:19	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/14/24 18:19	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/14/24 18:19	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/14/24 18:19	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 18:19	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/14/24 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		72 - 124		10/14/24 18:19	1
Dibromofluoromethane (Surr)	103		75 - 120		10/14/24 18:19	1
1,2-Dichloroethane-d4 (Surr)	113		75 - 126		10/14/24 18:19	1
Toluene-d8 (Surr)	98		75 - 120		10/14/24 18:19	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	480		10	4.2	ug/L			10/15/24 16:07	10
Vinyl chloride	300		10	2.0	ug/L			10/15/24 16:07	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		72 - 124		10/15/24 16:07	10
Dibromofluoromethane (Surr)	97		75 - 120		10/15/24 16:07	10
1,2-Dichloroethane-d4 (Surr)	97		75 - 126		10/15/24 16:07	10
Toluene-d8 (Surr)	100		75 - 120		10/15/24 16:07	10

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-8S

Lab Sample ID: 500-257930-28

Date Collected: 10/02/24 12:18

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/15/24 16:30	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/15/24 16:30	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/15/24 16:30	1
Bromodichloromethane	<0.57	^c	1.0	0.57	ug/L			10/15/24 16:30	1
Bromoform	<0.96		1.0	0.96	ug/L			10/15/24 16:30	1
Bromomethane	<1.8		3.0	1.8	ug/L			10/15/24 16:30	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/15/24 16:30	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/15/24 16:30	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/15/24 16:30	1
Chloroform	<0.92	^c	2.0	0.92	ug/L			10/15/24 16:30	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/15/24 16:30	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/15/24 16:30	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/15/24 16:30	1
cis-1,2-Dichloroethene	2.3		1.0	0.42	ug/L			10/15/24 16:30	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/15/24 16:30	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/15/24 16:30	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			10/15/24 16:30	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/15/24 16:30	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/15/24 16:30	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/15/24 16:30	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/15/24 16:30	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/15/24 16:30	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/15/24 16:30	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/15/24 16:30	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/15/24 16:30	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/15/24 16:30	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/15/24 16:30	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/15/24 16:30	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/15/24 16:30	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/15/24 16:30	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/15/24 16:30	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/15/24 16:30	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/15/24 16:30	1
Isopropyl ether	<0.39	^c	1.0	0.39	ug/L			10/15/24 16:30	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/15/24 16:30	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/15/24 16:30	1
Naphthalene	<0.44		1.0	0.44	ug/L			10/15/24 16:30	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/15/24 16:30	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/15/24 16:30	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/15/24 16:30	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/15/24 16:30	1
Styrene	<0.31		1.0	0.31	ug/L			10/15/24 16:30	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/15/24 16:30	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/15/24 16:30	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/15/24 16:30	1
Tetrachloroethene	15		1.0	0.39	ug/L			10/15/24 16:30	1
Toluene	<0.21		0.50	0.21	ug/L			10/15/24 16:30	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/15/24 16:30	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/15/24 16:30	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-8S

Lab Sample ID: 500-257930-28

Date Collected: 10/02/24 12:18

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/15/24 16:30	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/15/24 16:30	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/15/24 16:30	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/15/24 16:30	1
Trichloroethene	8.9		0.50	0.15	ug/L			10/15/24 16:30	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/15/24 16:30	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/15/24 16:30	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/15/24 16:30	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/15/24 16:30	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/15/24 16:30	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/15/24 16:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		72 - 124		10/15/24 16:30	1
Dibromofluoromethane (Surr)	98		75 - 120		10/15/24 16:30	1
1,2-Dichloroethane-d4 (Surr)	97		75 - 126		10/15/24 16:30	1
Toluene-d8 (Surr)	101		75 - 120		10/15/24 16:30	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	19.18				ft			10/02/24 12:18	1
Field pH	7.13				SU			10/02/24 12:18	1
Field Temperature	11.70				Degrees C			10/02/24 12:18	1
Groundwater Elevation (ft MSL)	788.49				ft			10/02/24 12:18	1
Specific Conductance	766				umhos/cm			10/02/24 12:18	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-8B

Lab Sample ID: 500-257930-29

Date Collected: 10/02/24 12:25

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/14/24 19:06	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/14/24 19:06	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/14/24 19:06	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/14/24 19:06	1
Bromoform	<0.96		1.0	0.96	ug/L			10/14/24 19:06	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/14/24 19:06	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/14/24 19:06	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 19:06	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/14/24 19:06	1
Chloroform	<0.92		2.0	0.92	ug/L			10/14/24 19:06	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/14/24 19:06	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/14/24 19:06	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/14/24 19:06	1
cis-1,2-Dichloroethene	13		1.0	0.42	ug/L			10/14/24 19:06	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/14/24 19:06	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/14/24 19:06	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			10/14/24 19:06	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/14/24 19:06	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/14/24 19:06	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/14/24 19:06	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 19:06	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/24 19:06	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/14/24 19:06	1
1,1-Dichloroethane	0.89	J	1.0	0.36	ug/L			10/14/24 19:06	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/14/24 19:06	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/14/24 19:06	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/14/24 19:06	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/14/24 19:06	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/14/24 19:06	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/14/24 19:06	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/14/24 19:06	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/14/24 19:06	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 19:06	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/14/24 19:06	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/14/24 19:06	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/14/24 19:06	1
Naphthalene	<0.44		1.0	0.44	ug/L			10/14/24 19:06	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/14/24 19:06	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/14/24 19:06	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/14/24 19:06	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 19:06	1
Styrene	<0.31		1.0	0.31	ug/L			10/14/24 19:06	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 19:06	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/14/24 19:06	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/14/24 19:06	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/14/24 19:06	1
Toluene	<0.21		0.50	0.21	ug/L			10/14/24 19:06	1
trans-1,2-Dichloroethene	1.9		1.0	0.44	ug/L			10/14/24 19:06	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/14/24 19:06	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-8B

Lab Sample ID: 500-257930-29

Date Collected: 10/02/24 12:25

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/14/24 19:06	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/14/24 19:06	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/14/24 19:06	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/14/24 19:06	1
Trichloroethene	0.55		0.50	0.15	ug/L			10/14/24 19:06	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/14/24 19:06	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/14/24 19:06	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/14/24 19:06	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 19:06	1
Vinyl chloride	25		1.0	0.20	ug/L			10/14/24 19:06	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/14/24 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		72 - 124		10/14/24 19:06	1
Dibromofluoromethane (Surr)	104		75 - 120		10/14/24 19:06	1
1,2-Dichloroethane-d4 (Surr)	111		75 - 126		10/14/24 19:06	1
Toluene-d8 (Surr)	98		75 - 120		10/14/24 19:06	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	19.54				ft			10/02/24 12:25	1
Field pH	7.19				SU			10/02/24 12:25	1
Field Temperature	10.80				Degrees C			10/02/24 12:25	1
Groundwater Elevation (ft MSL)	788.49				ft			10/02/24 12:25	1
Specific Conductance	1403				umhos/cm			10/02/24 12:25	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-257930-30

Date Collected: 10/03/24 00:00

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/14/24 14:28	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/14/24 14:28	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/14/24 14:28	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/14/24 14:28	1
Bromoform	<0.96		1.0	0.96	ug/L			10/14/24 14:28	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/14/24 14:28	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/14/24 14:28	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 14:28	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/14/24 14:28	1
Chloroform	<0.92		2.0	0.92	ug/L			10/14/24 14:28	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/14/24 14:28	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/14/24 14:28	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/14/24 14:28	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			10/14/24 14:28	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/14/24 14:28	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/14/24 14:28	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			10/14/24 14:28	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/14/24 14:28	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/14/24 14:28	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/14/24 14:28	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 14:28	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/24 14:28	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/14/24 14:28	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/14/24 14:28	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/14/24 14:28	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/14/24 14:28	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/14/24 14:28	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/14/24 14:28	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/14/24 14:28	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/14/24 14:28	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/14/24 14:28	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/14/24 14:28	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 14:28	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/14/24 14:28	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/14/24 14:28	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/14/24 14:28	1
Naphthalene	<0.44		1.0	0.44	ug/L			10/14/24 14:28	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/14/24 14:28	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/14/24 14:28	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/14/24 14:28	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 14:28	1
Styrene	<0.31		1.0	0.31	ug/L			10/14/24 14:28	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 14:28	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/14/24 14:28	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/14/24 14:28	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/14/24 14:28	1
Toluene	<0.21		0.50	0.21	ug/L			10/14/24 14:28	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/14/24 14:28	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/14/24 14:28	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-257930-30

Date Collected: 10/03/24 00:00

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/14/24 14:28	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/14/24 14:28	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/14/24 14:28	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/14/24 14:28	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/14/24 14:28	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/14/24 14:28	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/14/24 14:28	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/14/24 14:28	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 14:28	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/14/24 14:28	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/14/24 14:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		72 - 124		10/14/24 14:28	1
Dibromofluoromethane (Surr)	102		75 - 120		10/14/24 14:28	1
1,2-Dichloroethane-d4 (Surr)	109		75 - 126		10/14/24 14:28	1
Toluene-d8 (Surr)	98		75 - 120		10/14/24 14:28	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2217 Green Bay Rd.

Lab Sample ID: 500-257930-31

Date Collected: 10/03/24 09:00

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/14/24 19:29	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/14/24 19:29	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/14/24 19:29	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/14/24 19:29	1
Bromoform	<0.96		1.0	0.96	ug/L			10/14/24 19:29	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/14/24 19:29	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/14/24 19:29	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 19:29	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/14/24 19:29	1
Chloroform	<0.92		2.0	0.92	ug/L			10/14/24 19:29	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/14/24 19:29	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/14/24 19:29	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/14/24 19:29	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			10/14/24 19:29	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/14/24 19:29	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/14/24 19:29	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			10/14/24 19:29	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/14/24 19:29	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/14/24 19:29	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/14/24 19:29	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 19:29	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/24 19:29	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/14/24 19:29	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/14/24 19:29	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/14/24 19:29	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/14/24 19:29	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/14/24 19:29	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/14/24 19:29	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/14/24 19:29	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/14/24 19:29	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/14/24 19:29	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/14/24 19:29	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 19:29	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/14/24 19:29	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/14/24 19:29	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/14/24 19:29	1
Naphthalene	<0.44		1.0	0.44	ug/L			10/14/24 19:29	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/14/24 19:29	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/14/24 19:29	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/14/24 19:29	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 19:29	1
Styrene	<0.31		1.0	0.31	ug/L			10/14/24 19:29	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 19:29	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/14/24 19:29	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/14/24 19:29	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/14/24 19:29	1
Toluene	<0.21		0.50	0.21	ug/L			10/14/24 19:29	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/14/24 19:29	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/14/24 19:29	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2217 Green Bay Rd.

Lab Sample ID: 500-257930-31

Date Collected: 10/03/24 09:00

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/14/24 19:29	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/14/24 19:29	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/14/24 19:29	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/14/24 19:29	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/14/24 19:29	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/14/24 19:29	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/14/24 19:29	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/14/24 19:29	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 19:29	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/14/24 19:29	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/14/24 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		72 - 124		10/14/24 19:29	1
Dibromofluoromethane (Surr)	103		75 - 120		10/14/24 19:29	1
1,2-Dichloroethane-d4 (Surr)	113		75 - 126		10/14/24 19:29	1
Toluene-d8 (Surr)	101		75 - 120		10/14/24 19:29	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 1945 Tamarack Trail

Lab Sample ID: 500-257930-32

Date Collected: 10/03/24 12:05

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/14/24 19:53	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/14/24 19:53	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/14/24 19:53	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/14/24 19:53	1
Bromoform	<0.96		1.0	0.96	ug/L			10/14/24 19:53	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/14/24 19:53	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/14/24 19:53	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 19:53	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/14/24 19:53	1
Chloroform	<0.92		2.0	0.92	ug/L			10/14/24 19:53	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/14/24 19:53	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/14/24 19:53	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/14/24 19:53	1
cis-1,2-Dichloroethene	6.4		1.0	0.42	ug/L			10/14/24 19:53	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/14/24 19:53	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/14/24 19:53	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			10/14/24 19:53	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/14/24 19:53	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/14/24 19:53	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/14/24 19:53	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 19:53	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/24 19:53	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/14/24 19:53	1
1,1-Dichloroethane	4.1		1.0	0.36	ug/L			10/14/24 19:53	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/14/24 19:53	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/14/24 19:53	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/14/24 19:53	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/14/24 19:53	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/14/24 19:53	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/14/24 19:53	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/14/24 19:53	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/14/24 19:53	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 19:53	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/14/24 19:53	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/14/24 19:53	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/14/24 19:53	1
Naphthalene	<0.44		1.0	0.44	ug/L			10/14/24 19:53	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/14/24 19:53	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/14/24 19:53	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/14/24 19:53	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 19:53	1
Styrene	<0.31		1.0	0.31	ug/L			10/14/24 19:53	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 19:53	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/14/24 19:53	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/14/24 19:53	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/14/24 19:53	1
Toluene	<0.21		0.50	0.21	ug/L			10/14/24 19:53	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/14/24 19:53	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/14/24 19:53	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 1945 Tamarack Trail

Lab Sample ID: 500-257930-32

Date Collected: 10/03/24 12:05

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/14/24 19:53	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/14/24 19:53	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/14/24 19:53	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/14/24 19:53	1
Trichloroethene	2.4		0.50	0.15	ug/L			10/14/24 19:53	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/14/24 19:53	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/14/24 19:53	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/14/24 19:53	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 19:53	1
Vinyl chloride	0.89 J		1.0	0.20	ug/L			10/14/24 19:53	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/14/24 19:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		72 - 124		10/14/24 19:53	1
Dibromofluoromethane (Surr)	102		75 - 120		10/14/24 19:53	1
1,2-Dichloroethane-d4 (Surr)	112		75 - 126		10/14/24 19:53	1
Toluene-d8 (Surr)	98		75 - 120		10/14/24 19:53	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2246 Edgewater Dr.

Lab Sample ID: 500-257930-33

Date Collected: 10/02/24 07:35

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/14/24 20:16	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/14/24 20:16	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/14/24 20:16	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/14/24 20:16	1
Bromoform	<0.96		1.0	0.96	ug/L			10/14/24 20:16	1
Bromomethane	<1.8	^c	3.0	1.8	ug/L			10/14/24 20:16	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/14/24 20:16	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 20:16	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/14/24 20:16	1
Chloroform	<0.92		2.0	0.92	ug/L			10/14/24 20:16	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/14/24 20:16	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/14/24 20:16	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/14/24 20:16	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			10/14/24 20:16	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/14/24 20:16	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/14/24 20:16	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			10/14/24 20:16	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/14/24 20:16	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/14/24 20:16	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/14/24 20:16	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 20:16	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/24 20:16	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/14/24 20:16	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/14/24 20:16	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/14/24 20:16	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/14/24 20:16	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/14/24 20:16	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/14/24 20:16	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/14/24 20:16	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/14/24 20:16	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/14/24 20:16	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/14/24 20:16	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 20:16	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/14/24 20:16	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/14/24 20:16	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/14/24 20:16	1
Naphthalene	<0.44		1.0	0.44	ug/L			10/14/24 20:16	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/14/24 20:16	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/14/24 20:16	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/14/24 20:16	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 20:16	1
Styrene	<0.31		1.0	0.31	ug/L			10/14/24 20:16	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 20:16	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/14/24 20:16	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/14/24 20:16	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/14/24 20:16	1
Toluene	<0.21		0.50	0.21	ug/L			10/14/24 20:16	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/14/24 20:16	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/14/24 20:16	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2246 Edgewater Dr.

Lab Sample ID: 500-257930-33

Date Collected: 10/02/24 07:35

Matrix: Water

Date Received: 10/04/24 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/14/24 20:16	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/14/24 20:16	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/14/24 20:16	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/14/24 20:16	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/14/24 20:16	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/14/24 20:16	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/14/24 20:16	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/14/24 20:16	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 20:16	1
Vinyl chloride	0.38	J	1.0	0.20	ug/L			10/14/24 20:16	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/14/24 20:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		72 - 124		10/14/24 20:16	1
Dibromofluoromethane (Surr)	102		75 - 120		10/14/24 20:16	1
1,2-Dichloroethane-d4 (Surr)	114		75 - 126		10/14/24 20:16	1
Toluene-d8 (Surr)	100		75 - 120		10/14/24 20:16	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-4S
Date Collected: 10/01/24 00:00
Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-34
Matrix: Water

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	12.81				ft			10/01/24 00:00	1
Groundwater Elevation (ft MSL)	790.08				ft			10/01/24 00:00	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-5S
Date Collected: 10/01/24 00:00
Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-35
Matrix: Water

Method: EPA Field Sampling - Field Sampling									
Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	6.19				ft			10/01/24 00:00	1
Groundwater Elevation (ft MSL)	794.36				ft			10/01/24 00:00	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-5D
Date Collected: 10/01/24 00:00
Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-36
Matrix: Water

Method: EPA Field Sampling - Field Sampling									
Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	17.77				ft			10/01/24 00:00	1
Groundwater Elevation (ft MSL)	782.67				ft			10/01/24 00:00	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-7S
Date Collected: 10/01/24 00:00
Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-37
Matrix: Water

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	19.08				ft			10/01/24 00:00	1
Groundwater Elevation (ft MSL)	782.59				ft			10/01/24 00:00	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-7D
Date Collected: 10/01/24 00:00
Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-38
Matrix: Water

Method: EPA Field Sampling - Field Sampling									
Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	23.23				ft			10/01/24 00:00	1
Groundwater Elevation (ft MSL)	778.16				ft			10/01/24 00:00	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-11S
Date Collected: 10/01/24 00:00
Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-39
Matrix: Water

Method: EPA Field Sampling - Field Sampling									
Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	33.96				ft			10/01/24 00:00	1
Groundwater Elevation (ft MSL)	787.07				ft			10/01/24 00:00	1

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Definitions/Glossary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

GC/MS VOA

Analysis Batch: 790296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-257930-1	2252 Edgewater Dr.	Total/NA	Water	8260D	
500-257930-2	2165 Green Bay Rd.	Total/NA	Water	8260D	
500-257930-3	2258 Edgewater Dr.	Total/NA	Water	8260D	
500-257930-4	2225 Green Bay Rd	Total/NA	Water	8260D	
500-257930-5	2232 Edgewood Dr.	Total/NA	Water	8260D	
500-257930-6	2267 Edgewood Dr.	Total/NA	Water	8260D	
500-257930-7	MW-13S	Total/NA	Water	8260D	
500-257930-8	MW-13B	Total/NA	Water	8260D	
500-257930-9	2280 Edgewood Dr.	Total/NA	Water	8260D	
500-257930-10	MW-6D	Total/NA	Water	8260D	
500-257930-11	MW-6S	Total/NA	Water	8260D	
500-257930-12	MW-6B	Total/NA	Water	8260D	
500-257930-13	MW-1B	Total/NA	Water	8260D	
500-257930-14	MW-1D	Total/NA	Water	8260D	
500-257930-15	MW-1S	Total/NA	Water	8260D	
500-257930-16	MW-9B	Total/NA	Water	8260D	
500-257930-17	MW-9S	Total/NA	Water	8260D	
500-257930-18	MW-2D	Total/NA	Water	8260D	
MB 500-790296/8	Method Blank	Total/NA	Water	8260D	
LCS 500-790296/5	Lab Control Sample	Total/NA	Water	8260D	
500-257930-10 MS	MW-6D	Total/NA	Water	8260D	
500-257930-10 MSD	MW-6D	Total/NA	Water	8260D	

Analysis Batch: 790487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-257930-19	MW-2S	Total/NA	Water	8260D	
500-257930-20	MW-12B	Total/NA	Water	8260D	
500-257930-21	MW-12S	Total/NA	Water	8260D	
500-257930-22	MW-4D	Total/NA	Water	8260D	
500-257930-23	MW-3S	Total/NA	Water	8260D	
500-257930-24	MW-3D	Total/NA	Water	8260D	
500-257930-25	MW-3B1	Total/NA	Water	8260D	
500-257930-26	MW-3B2	Total/NA	Water	8260D	
500-257930-26 - DL	MW-3B2	Total/NA	Water	8260D	
500-257930-27	Dup-1	Total/NA	Water	8260D	
500-257930-29	MW-8B	Total/NA	Water	8260D	
500-257930-30	Trip Blank	Total/NA	Water	8260D	
500-257930-31	2217 Green Bay Rd.	Total/NA	Water	8260D	
500-257930-32	1945 Tamarack Trail	Total/NA	Water	8260D	
500-257930-33	2246 Edgewater Dr.	Total/NA	Water	8260D	
MB 500-790487/8	Method Blank	Total/NA	Water	8260D	
LCS 500-790487/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-790487/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 790681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-257930-27 - DL	Dup-1	Total/NA	Water	8260D	
500-257930-28	MW-8S	Total/NA	Water	8260D	
MB 500-790681/9	Method Blank	Total/NA	Water	8260D	
LCS 500-790681/6	Lab Control Sample	Total/NA	Water	8260D	

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QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Field Service / Mobile Lab

Analysis Batch: 790546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-257930-7	MW-13S	Total/NA	Water	Field Sampling	
500-257930-8	MW-13B	Total/NA	Water	Field Sampling	
500-257930-10	MW-6D	Total/NA	Water	Field Sampling	
500-257930-11	MW-6S	Total/NA	Water	Field Sampling	
500-257930-12	MW-6B	Total/NA	Water	Field Sampling	
500-257930-13	MW-1B	Total/NA	Water	Field Sampling	
500-257930-14	MW-1D	Total/NA	Water	Field Sampling	
500-257930-15	MW-1S	Total/NA	Water	Field Sampling	
500-257930-16	MW-9B	Total/NA	Water	Field Sampling	
500-257930-17	MW-9S	Total/NA	Water	Field Sampling	
500-257930-18	MW-2D	Total/NA	Water	Field Sampling	
500-257930-19	MW-2S	Total/NA	Water	Field Sampling	
500-257930-20	MW-12B	Total/NA	Water	Field Sampling	
500-257930-21	MW-12S	Total/NA	Water	Field Sampling	
500-257930-22	MW-4D	Total/NA	Water	Field Sampling	
500-257930-23	MW-3S	Total/NA	Water	Field Sampling	
500-257930-24	MW-3D	Total/NA	Water	Field Sampling	
500-257930-25	MW-3B1	Total/NA	Water	Field Sampling	
500-257930-26	MW-3B2	Total/NA	Water	Field Sampling	
500-257930-28	MW-8S	Total/NA	Water	Field Sampling	
500-257930-29	MW-8B	Total/NA	Water	Field Sampling	
500-257930-34	MW-4S	Total/NA	Water	Field Sampling	
500-257930-35	MW-5S	Total/NA	Water	Field Sampling	
500-257930-36	MW-5D	Total/NA	Water	Field Sampling	
500-257930-37	MW-7S	Total/NA	Water	Field Sampling	
500-257930-38	MW-7D	Total/NA	Water	Field Sampling	
500-257930-39	MW-11S	Total/NA	Water	Field Sampling	

Surrogate Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB	DBFM	DCA	TOL
		(72-124)	(75-120)	(75-126)	(75-120)
500-257930-1	2252 Edgewater Dr.	83	97	93	83
500-257930-2	2165 Green Bay Rd.	82	97	87	82
500-257930-3	2258 Edgewater Dr.	81	97	90	81
500-257930-4	2225 Green Bay Rd	82	98	89	82
500-257930-5	2232 Edgewood Dr.	82	95	89	83
500-257930-6	2267 Edgewood Dr.	82	96	92	83
500-257930-7	MW-13S	82	95	90	82
500-257930-8	MW-13B	85	96	90	83
500-257930-9	2280 Edgewood Dr.	84	96	91	82
500-257930-10	MW-6D	81	97	90	83
500-257930-10 MS	MW-6D	80	90	83	85
500-257930-10 MSD	MW-6D	83	89	82	86
500-257930-11	MW-6S	83	100	92	83
500-257930-12	MW-6B	83	95	88	84
500-257930-13	MW-1B	84	96	90	82
500-257930-14	MW-1D	82	96	91	82
500-257930-15	MW-1S	81	97	90	82
500-257930-16	MW-9B	82	97	89	83
500-257930-17	MW-9S	82	96	91	82
500-257930-18	MW-2D	82	96	88	83
500-257930-19	MW-2S	101	103	111	98
500-257930-20	MW-12B	101	102	110	99
500-257930-21	MW-12S	105	100	112	99
500-257930-22	MW-4D	104	104	115	98
500-257930-23	MW-3S	105	100	112	100
500-257930-24	MW-3D	105	104	111	100
500-257930-25	MW-3B1	106	101	111	99
500-257930-26	MW-3B2	104	103	110	99
500-257930-26 - DL	MW-3B2	107	104	115	98
500-257930-27	Dup-1	106	103	113	98
500-257930-27 - DL	Dup-1	97	97	97	100
500-257930-28	MW-8S	98	98	97	101
500-257930-29	MW-8B	106	104	111	98
500-257930-30	Trip Blank	107	102	109	98
500-257930-31	2217 Green Bay Rd.	108	103	113	101
500-257930-32	1945 Tamarack Trail	106	102	112	98
500-257930-33	2246 Edgewater Dr.	107	102	114	100
LCS 500-790296/5	Lab Control Sample	83	88	84	83
LCS 500-790487/4	Lab Control Sample	100	104	109	101
LCS 500-790681/6	Lab Control Sample	98	99	99	100
LCSD 500-790487/5	Lab Control Sample Dup	100	105	108	102
MB 500-790296/8	Method Blank	82	96	89	84
MB 500-790487/8	Method Blank	107	103	111	100
MB 500-790681/9	Method Blank	98	97	98	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

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

TOL = Toluene-d8 (Surr)

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-790296/8

Matrix: Water

Analysis Batch: 790296

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/12/24 21:23	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/12/24 21:23	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/12/24 21:23	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/12/24 21:23	1
Bromoform	<0.96		1.0	0.96	ug/L			10/12/24 21:23	1
Bromomethane	<1.8		3.0	1.8	ug/L			10/12/24 21:23	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/12/24 21:23	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/12/24 21:23	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/12/24 21:23	1
Chloroform	<0.92		2.0	0.92	ug/L			10/12/24 21:23	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/12/24 21:23	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/12/24 21:23	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/12/24 21:23	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			10/12/24 21:23	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/12/24 21:23	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/12/24 21:23	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			10/12/24 21:23	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/12/24 21:23	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/12/24 21:23	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/12/24 21:23	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/12/24 21:23	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/24 21:23	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/12/24 21:23	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/12/24 21:23	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/12/24 21:23	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/12/24 21:23	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/12/24 21:23	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/12/24 21:23	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/12/24 21:23	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/12/24 21:23	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/12/24 21:23	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/12/24 21:23	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/12/24 21:23	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/12/24 21:23	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/12/24 21:23	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/12/24 21:23	1
Naphthalene	<0.44		1.0	0.44	ug/L			10/12/24 21:23	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/12/24 21:23	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/12/24 21:23	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/12/24 21:23	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/12/24 21:23	1
Styrene	<0.31		1.0	0.31	ug/L			10/12/24 21:23	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/12/24 21:23	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/12/24 21:23	1
1,1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/12/24 21:23	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/12/24 21:23	1
Toluene	<0.21		0.50	0.21	ug/L			10/12/24 21:23	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/12/24 21:23	1

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

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

Lab Sample ID: MB 500-790296/8

Matrix: Water

Analysis Batch: 790296

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/12/24 21:23	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/12/24 21:23	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/12/24 21:23	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/12/24 21:23	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/12/24 21:23	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/12/24 21:23	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/12/24 21:23	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/12/24 21:23	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/12/24 21:23	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/12/24 21:23	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/12/24 21:23	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/12/24 21:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		72 - 124		10/12/24 21:23	1
Dibromofluoromethane (Surr)	96		75 - 120		10/12/24 21:23	1
1,2-Dichloroethane-d4 (Surr)	89		75 - 126		10/12/24 21:23	1
Toluene-d8 (Surr)	84		75 - 120		10/12/24 21:23	1

Lab Sample ID: LCS 500-790296/5

Matrix: Water

Analysis Batch: 790296

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	54.1		ug/L		108	70 - 120
Bromobenzene	50.0	42.1		ug/L		84	70 - 122
Bromochloromethane	50.0	51.3		ug/L		103	65 - 122
Bromodichloromethane	50.0	51.0		ug/L		102	69 - 120
Bromoform	50.0	40.7		ug/L		81	56 - 132
Bromomethane	50.0	69.6		ug/L		139	40 - 152
Carbon tetrachloride	50.0	53.9		ug/L		108	59 - 133
Chlorobenzene	50.0	45.8		ug/L		92	70 - 120
Chloroethane	50.0	46.3		ug/L		93	48 - 136
Chloroform	50.0	50.3		ug/L		101	70 - 120
Chloromethane	50.0	48.6		ug/L		97	56 - 152
2-Chlorotoluene	50.0	42.9		ug/L		86	70 - 125
4-Chlorotoluene	50.0	44.4		ug/L		89	68 - 124
cis-1,2-Dichloroethene	50.0	50.1		ug/L		100	70 - 125
cis-1,3-Dichloropropene	50.0	40.6		ug/L		81	64 - 127
Dibromochloromethane	50.0	43.1		ug/L		86	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	40.4		ug/L		81	56 - 123
1,2-Dibromoethane (EDB)	50.0	48.6		ug/L		97	70 - 125
Dibromomethane	50.0	54.4		ug/L		109	70 - 120
1,2-Dichlorobenzene	50.0	44.3		ug/L		89	70 - 125
1,3-Dichlorobenzene	50.0	44.4		ug/L		89	70 - 125
1,4-Dichlorobenzene	50.0	43.9		ug/L		88	70 - 120
Dichlorodifluoromethane	50.0	51.8		ug/L		104	40 - 159
1,1-Dichloroethane	50.0	48.7		ug/L		97	70 - 125

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

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

Lab Sample ID: LCS 500-790296/5

Matrix: Water

Analysis Batch: 790296

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	50.4		ug/L		101	68 - 127
1,1-Dichloroethene	50.0	51.0		ug/L		102	67 - 122
1,2-Dichloropropane	50.0	47.5		ug/L		95	67 - 130
1,3-Dichloropropane	50.0	47.4		ug/L		95	62 - 136
2,2-Dichloropropane	50.0	41.8		ug/L		84	58 - 139
1,1-Dichloropropene	50.0	47.5		ug/L		95	70 - 121
Ethylbenzene	50.0	43.2		ug/L		86	70 - 123
Hexachlorobutadiene	50.0	41.3		ug/L		83	51 - 150
Isopropylbenzene	50.0	41.0		ug/L		82	70 - 126
Methylene Chloride	50.0	45.6		ug/L		91	69 - 125
Methyl tert-butyl ether	50.0	43.8		ug/L		88	55 - 123
Naphthalene	50.0	39.7		ug/L		79	53 - 144
n-Butylbenzene	50.0	44.4		ug/L		89	68 - 125
N-Propylbenzene	50.0	43.8		ug/L		88	69 - 127
4-Isopropyltoluene	50.0	41.0		ug/L		82	70 - 125
sec-Butylbenzene	50.0	46.1		ug/L		92	70 - 123
Styrene	50.0	44.1		ug/L		88	70 - 120
tert-Butylbenzene	50.0	44.9		ug/L		90	70 - 121
1,1,1,2-Tetrachloroethane	50.0	49.7		ug/L		99	70 - 125
1,1,2,2-Tetrachloroethane	50.0	47.1		ug/L		94	62 - 140
Tetrachloroethene	50.0	43.4		ug/L		87	70 - 128
Toluene	50.0	43.5		ug/L		87	70 - 125
trans-1,2-Dichloroethene	50.0	51.1		ug/L		102	70 - 125
trans-1,3-Dichloropropene	50.0	39.2		ug/L		78	62 - 128
1,2,3-Trichlorobenzene	50.0	43.2		ug/L		86	51 - 145
1,2,4-Trichlorobenzene	50.0	40.2		ug/L		80	57 - 137
1,1,1-Trichloroethane	50.0	50.8		ug/L		102	70 - 125
1,1,2-Trichloroethane	50.0	41.3		ug/L		83	71 - 130
Trichloroethene	50.0	55.7		ug/L		111	70 - 125
Trichlorofluoromethane	50.0	54.4		ug/L		109	55 - 128
1,2,3-Trichloropropane	50.0	44.5		ug/L		89	50 - 133
1,2,4-Trimethylbenzene	50.0	44.5		ug/L		89	70 - 123
1,3,5-Trimethylbenzene	50.0	44.6		ug/L		89	70 - 123
Vinyl chloride	50.0	46.8		ug/L		94	64 - 126
Xylenes, Total	100	92.1		ug/L		92	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		72 - 124
Dibromofluoromethane (Surr)	88		75 - 120
1,2-Dichloroethane-d4 (Surr)	84		75 - 126
Toluene-d8 (Surr)	83		75 - 120

Lab Sample ID: 500-257930-10 MS

Matrix: Water

Analysis Batch: 790296

Client Sample ID: MW-6D

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.18		50.0	56.3		ug/L		113	70 - 120

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

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

Lab Sample ID: 500-257930-10 MS

Matrix: Water

Analysis Batch: 790296

Client Sample ID: MW-6D

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	<0.60		50.0	42.7		ug/L		85	70 - 122
Bromochloromethane	<0.50		50.0	54.3		ug/L		109	65 - 122
Bromodichloromethane	<0.57		50.0	53.1		ug/L		106	69 - 120
Bromoform	<0.96		50.0	41.8		ug/L		84	56 - 132
Bromomethane	<1.8	^c	50.0	70.5		ug/L		141	40 - 152
Carbon tetrachloride	<0.42		50.0	56.4		ug/L		113	59 - 133
Chlorobenzene	<0.41		50.0	47.3		ug/L		95	70 - 120
Chloroethane	<0.47		50.0	47.8		ug/L		96	48 - 136
Chloroform	<0.92		50.0	53.1		ug/L		106	70 - 120
Chloromethane	<0.79		50.0	50.5		ug/L		101	56 - 152
2-Chlorotoluene	<0.36		50.0	42.3		ug/L		85	70 - 125
4-Chlorotoluene	<0.34		50.0	43.1		ug/L		86	68 - 124
cis-1,2-Dichloroethene	<0.42		50.0	52.2		ug/L		104	70 - 125
cis-1,3-Dichloropropene	<0.52		50.0	39.9		ug/L		80	64 - 127
Dibromochloromethane	<0.83		50.0	45.3		ug/L		91	68 - 125
1,2-Dibromo-3-Chloropropane	<3.9	^c	50.0	37.8		ug/L		76	56 - 123
1,2-Dibromoethane (EDB)	<0.56		50.0	50.6		ug/L		101	70 - 125
Dibromomethane	<0.58		50.0	54.5		ug/L		109	70 - 120
1,2-Dichlorobenzene	<0.48		50.0	44.9		ug/L		90	70 - 125
1,3-Dichlorobenzene	<0.41		50.0	43.1		ug/L		86	70 - 125
1,4-Dichlorobenzene	<0.46		50.0	43.2		ug/L		86	70 - 120
Dichlorodifluoromethane	<1.8		50.0	52.8		ug/L		106	40 - 159
1,1-Dichloroethane	<0.36		50.0	50.6		ug/L		101	70 - 125
1,2-Dichloroethane	<0.58		50.0	52.2		ug/L		104	68 - 127
1,1-Dichloroethene	<0.48		50.0	54.8		ug/L		110	67 - 122
1,2-Dichloropropane	<0.37		50.0	51.4		ug/L		103	67 - 130
1,3-Dichloropropane	<0.56		50.0	49.5		ug/L		99	62 - 136
2,2-Dichloropropane	<0.48		50.0	41.9		ug/L		84	58 - 139
1,1-Dichloropropene	<0.33		50.0	49.7		ug/L		99	70 - 121
Ethylbenzene	<0.20		50.0	44.4		ug/L		89	70 - 123
Hexachlorobutadiene	<0.54		50.0	39.3		ug/L		79	51 - 150
Isopropylbenzene	<0.29		50.0	40.7		ug/L		81	70 - 126
Methylene Chloride	<3.6		50.0	47.9		ug/L		96	69 - 125
Methyl tert-butyl ether	<0.43		50.0	43.1		ug/L		86	55 - 123
Naphthalene	<0.44	^c	50.0	37.7		ug/L		75	53 - 144
n-Butylbenzene	<0.33		50.0	42.3		ug/L		85	68 - 125
N-Propylbenzene	<0.32		50.0	42.4		ug/L		85	69 - 127
4-Isopropyltoluene	<0.29		50.0	40.6		ug/L		81	70 - 125
sec-Butylbenzene	<0.27		50.0	45.3		ug/L		91	70 - 123
Styrene	<0.31		50.0	45.4		ug/L		91	70 - 120
tert-Butylbenzene	<0.27		50.0	44.6		ug/L		89	70 - 121
1,1,1,2-Tetrachloroethane	<0.67		50.0	49.3		ug/L		99	70 - 125
1,1,2,2-Tetrachloroethane	<0.65		50.0	44.9		ug/L		90	62 - 140
Tetrachloroethene	<0.39		50.0	44.2		ug/L		88	70 - 128
Toluene	<0.21		50.0	45.7		ug/L		91	70 - 125
trans-1,2-Dichloroethene	<0.44		50.0	54.2		ug/L		108	70 - 125
trans-1,3-Dichloropropene	<0.63		50.0	39.7		ug/L		79	62 - 128
1,2,3-Trichlorobenzene	<0.35		50.0	40.3		ug/L		81	51 - 145
1,2,4-Trichlorobenzene	<0.31		50.0	35.6		ug/L		71	57 - 137

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

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

Lab Sample ID: 500-257930-10 MS

Matrix: Water

Analysis Batch: 790296

Client Sample ID: MW-6D

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	<0.45		50.0	52.5		ug/L		105	70 - 125
1,1,2-Trichloroethane	<0.73		50.0	43.4		ug/L		87	71 - 130
Trichloroethene	<0.15		50.0	56.1		ug/L		112	70 - 125
Trichlorofluoromethane	<0.44		50.0	56.4		ug/L		113	55 - 128
1,2,3-Trichloropropane	<1.5		50.0	42.6		ug/L		85	50 - 133
1,2,4-Trimethylbenzene	<0.30		50.0	43.2		ug/L		86	70 - 123
1,3,5-Trimethylbenzene	<0.29		50.0	44.1		ug/L		88	70 - 123
Vinyl chloride	<0.20		50.0	48.0		ug/L		96	64 - 126
Xylenes, Total	<0.30		100	95.0		ug/L		95	70 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	80		72 - 124
Dibromofluoromethane (Surr)	90		75 - 120
1,2-Dichloroethane-d4 (Surr)	83		75 - 126
Toluene-d8 (Surr)	85		75 - 120

Lab Sample ID: 500-257930-10 MSD

Matrix: Water

Analysis Batch: 790296

Client Sample ID: MW-6D

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.18		50.0	54.6		ug/L		109	70 - 120	3	20
Bromobenzene	<0.60		50.0	42.6		ug/L		85	70 - 122	0	20
Bromochloromethane	<0.50		50.0	52.7		ug/L		105	65 - 122	3	20
Bromodichloromethane	<0.57		50.0	51.5		ug/L		103	69 - 120	3	20
Bromoform	<0.96		50.0	40.3		ug/L		81	56 - 132	4	20
Bromomethane	<1.8	^c	50.0	69.6		ug/L		139	40 - 152	1	20
Carbon tetrachloride	<0.42		50.0	53.5		ug/L		107	59 - 133	5	20
Chlorobenzene	<0.41		50.0	45.7		ug/L		91	70 - 120	3	20
Chloroethane	<0.47		50.0	48.5		ug/L		97	48 - 136	1	20
Chloroform	<0.92		50.0	50.9		ug/L		102	70 - 120	4	20
Chloromethane	<0.79		50.0	51.4		ug/L		103	56 - 152	2	20
2-Chlorotoluene	<0.36		50.0	42.1		ug/L		84	70 - 125	0	20
4-Chlorotoluene	<0.34		50.0	43.1		ug/L		86	68 - 124	0	20
cis-1,2-Dichloroethene	<0.42		50.0	50.4		ug/L		101	70 - 125	3	20
cis-1,3-Dichloropropene	<0.52		50.0	39.1		ug/L		78	64 - 127	2	20
Dibromochloromethane	<0.83		50.0	43.9		ug/L		88	68 - 125	3	20
1,2-Dibromo-3-Chloropropane	<3.9	^c	50.0	36.0		ug/L		72	56 - 123	5	20
1,2-Dibromoethane (EDB)	<0.56		50.0	47.5		ug/L		95	70 - 125	6	20
Dibromomethane	<0.58		50.0	53.9		ug/L		108	70 - 120	1	20
1,2-Dichlorobenzene	<0.48		50.0	43.5		ug/L		87	70 - 125	3	20
1,3-Dichlorobenzene	<0.41		50.0	42.4		ug/L		85	70 - 125	2	20
1,4-Dichlorobenzene	<0.46		50.0	42.2		ug/L		84	70 - 120	2	20
Dichlorodifluoromethane	<1.8		50.0	53.8		ug/L		108	40 - 159	2	20
1,1-Dichloroethane	<0.36		50.0	49.9		ug/L		100	70 - 125	1	20
1,2-Dichloroethane	<0.58		50.0	50.3		ug/L		101	68 - 127	4	20
1,1-Dichloroethene	<0.48		50.0	51.3		ug/L		103	67 - 122	7	20
1,2-Dichloropropane	<0.37		50.0	49.1		ug/L		98	67 - 130	5	20

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

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

Lab Sample ID: 500-257930-10 MSD

Matrix: Water

Analysis Batch: 790296

Client Sample ID: MW-6D

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,3-Dichloropropane	<0.56		50.0	48.1		ug/L		96	62 - 136	3	20
2,2-Dichloropropane	<0.48		50.0	41.3		ug/L		83	58 - 139	1	20
1,1-Dichloropropene	<0.33		50.0	47.4		ug/L		95	70 - 121	5	20
Ethylbenzene	<0.20		50.0	43.5		ug/L		87	70 - 123	2	20
Hexachlorobutadiene	<0.54		50.0	40.9		ug/L		82	51 - 150	4	20
Isopropylbenzene	<0.29		50.0	40.3		ug/L		81	70 - 126	1	20
Methylene Chloride	<3.6		50.0	46.5		ug/L		93	69 - 125	3	20
Methyl tert-butyl ether	<0.43		50.0	43.2		ug/L		86	55 - 123	0	20
Naphthalene	<0.44	^c	50.0	37.8		ug/L		76	53 - 144	0	20
n-Butylbenzene	<0.33		50.0	42.5		ug/L		85	68 - 125	1	20
N-Propylbenzene	<0.32		50.0	42.6		ug/L		85	69 - 127	0	20
4-Isopropyltoluene	<0.29		50.0	40.5		ug/L		81	70 - 125	0	20
sec-Butylbenzene	<0.27		50.0	45.3		ug/L		91	70 - 123	0	20
Styrene	<0.31		50.0	43.8		ug/L		88	70 - 120	4	20
tert-Butylbenzene	<0.27		50.0	45.1		ug/L		90	70 - 121	1	20
1,1,1,2-Tetrachloroethane	<0.67		50.0	48.6		ug/L		97	70 - 125	1	20
1,1,2,2-Tetrachloroethane	<0.65		50.0	45.5		ug/L		91	62 - 140	1	20
Tetrachloroethene	<0.39		50.0	43.9		ug/L		88	70 - 128	1	20
Toluene	<0.21		50.0	44.6		ug/L		89	70 - 125	2	20
trans-1,2-Dichloroethene	<0.44		50.0	50.8		ug/L		102	70 - 125	6	20
trans-1,3-Dichloropropene	<0.63		50.0	38.8		ug/L		78	62 - 128	2	20
1,2,3-Trichlorobenzene	<0.35		50.0	39.9		ug/L		80	51 - 145	1	20
1,2,4-Trichlorobenzene	<0.31		50.0	35.7		ug/L		71	57 - 137	0	20
1,1,1-Trichloroethane	<0.45		50.0	51.6		ug/L		103	70 - 125	2	20
1,1,2-Trichloroethane	<0.73		50.0	42.0		ug/L		84	71 - 130	3	20
Trichloroethene	<0.15		50.0	54.8		ug/L		110	70 - 125	2	20
Trichlorofluoromethane	<0.44		50.0	58.4		ug/L		117	55 - 128	3	20
1,2,3-Trichloropropane	<1.5		50.0	43.7		ug/L		87	50 - 133	3	20
1,2,4-Trimethylbenzene	<0.30		50.0	43.3		ug/L		87	70 - 123	0	20
1,3,5-Trimethylbenzene	<0.29		50.0	43.9		ug/L		88	70 - 123	0	20
Vinyl chloride	<0.20		50.0	48.6		ug/L		97	64 - 126	1	20
Xylenes, Total	<0.30		100	91.9		ug/L		92	70 - 125	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		72 - 124
Dibromofluoromethane (Surr)	89		75 - 120
1,2-Dichloroethane-d4 (Surr)	82		75 - 126
Toluene-d8 (Surr)	86		75 - 120

Lab Sample ID: MB 500-790487/8

Matrix: Water

Analysis Batch: 790487

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/14/24 14:05	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/14/24 14:05	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/14/24 14:05	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/14/24 14:05	1

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

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

Lab Sample ID: MB 500-790487/8

Matrix: Water

Analysis Batch: 790487

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	<0.96		1.0	0.96	ug/L			10/14/24 14:05	1
Bromomethane	<1.8		3.0	1.8	ug/L			10/14/24 14:05	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/14/24 14:05	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 14:05	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/14/24 14:05	1
Chloroform	<0.92		2.0	0.92	ug/L			10/14/24 14:05	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/14/24 14:05	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/14/24 14:05	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/14/24 14:05	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			10/14/24 14:05	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/14/24 14:05	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/14/24 14:05	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			10/14/24 14:05	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/14/24 14:05	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/14/24 14:05	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/14/24 14:05	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/14/24 14:05	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/14/24 14:05	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/14/24 14:05	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/14/24 14:05	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/14/24 14:05	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/14/24 14:05	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/14/24 14:05	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/14/24 14:05	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/14/24 14:05	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/14/24 14:05	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/14/24 14:05	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/14/24 14:05	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 14:05	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/14/24 14:05	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/14/24 14:05	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/14/24 14:05	1
Naphthalene	<0.44		1.0	0.44	ug/L			10/14/24 14:05	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/14/24 14:05	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/14/24 14:05	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/14/24 14:05	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 14:05	1
Styrene	<0.31		1.0	0.31	ug/L			10/14/24 14:05	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/14/24 14:05	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/14/24 14:05	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/14/24 14:05	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/14/24 14:05	1
Toluene	<0.21		0.50	0.21	ug/L			10/14/24 14:05	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/14/24 14:05	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/14/24 14:05	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/14/24 14:05	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/14/24 14:05	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/14/24 14:05	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/14/24 14:05	1

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

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

Lab Sample ID: MB 500-790487/8

Matrix: Water

Analysis Batch: 790487

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<0.15		0.50	0.15	ug/L			10/14/24 14:05	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/14/24 14:05	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/14/24 14:05	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/14/24 14:05	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/14/24 14:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/14/24 14:05	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/14/24 14:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		72 - 124		10/14/24 14:05	1
Dibromofluoromethane (Surr)	103		75 - 120		10/14/24 14:05	1
1,2-Dichloroethane-d4 (Surr)	111		75 - 126		10/14/24 14:05	1
Toluene-d8 (Surr)	100		75 - 120		10/14/24 14:05	1

Lab Sample ID: LCS 500-790487/4

Matrix: Water

Analysis Batch: 790487

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	43.8		ug/L		88	70 - 120
Bromobenzene	50.0	43.5		ug/L		87	70 - 122
Bromochloromethane	50.0	43.6		ug/L		87	65 - 122
Bromodichloromethane	50.0	45.3		ug/L		91	69 - 120
Bromoform	50.0	43.8		ug/L		88	56 - 132
Bromomethane	50.0	36.5		ug/L		73	40 - 152
Carbon tetrachloride	50.0	56.4		ug/L		113	59 - 133
Chlorobenzene	50.0	44.0		ug/L		88	70 - 120
Chloroethane	50.0	49.4		ug/L		99	48 - 136
Chloroform	50.0	44.5		ug/L		89	70 - 120
Chloromethane	50.0	44.3		ug/L		89	56 - 152
2-Chlorotoluene	50.0	43.6		ug/L		87	70 - 125
4-Chlorotoluene	50.0	44.8		ug/L		90	68 - 124
cis-1,2-Dichloroethene	50.0	44.0		ug/L		88	70 - 125
cis-1,3-Dichloropropene	50.0	43.5		ug/L		87	64 - 127
Dibromochloromethane	50.0	44.8		ug/L		90	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	49.0		ug/L		98	56 - 123
1,2-Dibromoethane (EDB)	50.0	43.6		ug/L		87	70 - 125
Dibromomethane	50.0	46.7		ug/L		93	70 - 120
1,2-Dichlorobenzene	50.0	42.7		ug/L		85	70 - 125
1,3-Dichlorobenzene	50.0	43.2		ug/L		86	70 - 125
1,4-Dichlorobenzene	50.0	43.8		ug/L		88	70 - 120
Dichlorodifluoromethane	50.0	42.0		ug/L		84	40 - 159
1,1-Dichloroethane	50.0	46.1		ug/L		92	70 - 125
1,2-Dichloroethane	50.0	48.5		ug/L		97	68 - 127
1,1-Dichloroethene	50.0	42.8		ug/L		86	67 - 122
1,2-Dichloropropane	50.0	43.7		ug/L		87	67 - 130
1,3-Dichloropropane	50.0	43.2		ug/L		86	62 - 136
2,2-Dichloropropane	50.0	51.1		ug/L		102	58 - 139

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

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

Lab Sample ID: LCS 500-790487/4

Matrix: Water

Analysis Batch: 790487

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloropropene	50.0	48.9		ug/L		98	70 - 121
Ethylbenzene	50.0	47.2		ug/L		94	70 - 123
Hexachlorobutadiene	50.0	49.3		ug/L		99	51 - 150
Isopropylbenzene	50.0	46.4		ug/L		93	70 - 126
Methylene Chloride	50.0	41.1		ug/L		82	69 - 125
Methyl tert-butyl ether	50.0	44.4		ug/L		89	55 - 123
Naphthalene	50.0	44.8		ug/L		90	53 - 144
n-Butylbenzene	50.0	46.2		ug/L		92	68 - 125
N-Propylbenzene	50.0	45.6		ug/L		91	69 - 127
4-Isopropyltoluene	50.0	47.4		ug/L		95	70 - 125
sec-Butylbenzene	50.0	47.5		ug/L		95	70 - 123
Styrene	50.0	44.9		ug/L		90	70 - 120
tert-Butylbenzene	50.0	46.8		ug/L		94	70 - 121
1,1,1,2-Tetrachloroethane	50.0	46.9		ug/L		94	70 - 125
1,1,2,2-Tetrachloroethane	50.0	40.7		ug/L		81	62 - 140
Tetrachloroethene	50.0	47.9		ug/L		96	70 - 128
Toluene	50.0	44.4		ug/L		89	70 - 125
trans-1,2-Dichloroethene	50.0	45.4		ug/L		91	70 - 125
trans-1,3-Dichloropropene	50.0	44.1		ug/L		88	62 - 128
1,2,3-Trichlorobenzene	50.0	45.0		ug/L		90	51 - 145
1,2,4-Trichlorobenzene	50.0	44.2		ug/L		88	57 - 137
1,1,1-Trichloroethane	50.0	53.3		ug/L		107	70 - 125
1,1,2-Trichloroethane	50.0	41.5		ug/L		83	71 - 130
Trichloroethene	50.0	47.9		ug/L		96	70 - 125
Trichlorofluoromethane	50.0	56.3		ug/L		113	55 - 128
1,2,3-Trichloropropane	50.0	44.2		ug/L		88	50 - 133
1,2,4-Trimethylbenzene	50.0	46.1		ug/L		92	70 - 123
1,3,5-Trimethylbenzene	50.0	45.4		ug/L		91	70 - 123
Vinyl chloride	50.0	49.3		ug/L		99	64 - 126
Xylenes, Total	100	94.0		ug/L		94	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		72 - 124
Dibromofluoromethane (Surr)	104		75 - 120
1,2-Dichloroethane-d4 (Surr)	109		75 - 126
Toluene-d8 (Surr)	101		75 - 120

Lab Sample ID: LCSD 500-790487/5

Matrix: Water

Analysis Batch: 790487

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	50.0	42.7		ug/L		85	70 - 120	3	20
Bromobenzene	50.0	44.0		ug/L		88	70 - 122	1	20
Bromochloromethane	50.0	44.2		ug/L		88	65 - 122	1	20
Bromodichloromethane	50.0	43.5		ug/L		87	69 - 120	4	20
Bromoform	50.0	44.6		ug/L		89	56 - 132	2	20
Bromomethane	50.0	42.3		ug/L		85	40 - 152	15	20

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

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

Lab Sample ID: LCSD 500-790487/5

Matrix: Water

Analysis Batch: 790487

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon tetrachloride	50.0	52.7		ug/L		105	59 - 133	7	20
Chlorobenzene	50.0	43.1		ug/L		86	70 - 120	2	20
Chloroethane	50.0	50.1		ug/L		100	48 - 136	1	20
Chloroform	50.0	43.5		ug/L		87	70 - 120	2	20
Chloromethane	50.0	42.4		ug/L		85	56 - 152	4	20
2-Chlorotoluene	50.0	44.2		ug/L		88	70 - 125	1	20
4-Chlorotoluene	50.0	45.2		ug/L		90	68 - 124	1	20
cis-1,2-Dichloroethene	50.0	42.7		ug/L		85	70 - 125	3	20
cis-1,3-Dichloropropene	50.0	42.4		ug/L		85	64 - 127	3	20
Dibromochloromethane	50.0	44.5		ug/L		89	68 - 125	1	20
1,2-Dibromo-3-Chloropropane	50.0	48.0		ug/L		96	56 - 123	2	20
1,2-Dibromoethane (EDB)	50.0	43.4		ug/L		87	70 - 125	0	20
Dibromomethane	50.0	46.1		ug/L		92	70 - 120	1	20
1,2-Dichlorobenzene	50.0	43.6		ug/L		87	70 - 125	2	20
1,3-Dichlorobenzene	50.0	43.7		ug/L		87	70 - 125	1	20
1,4-Dichlorobenzene	50.0	44.0		ug/L		88	70 - 120	0	20
Dichlorodifluoromethane	50.0	37.6		ug/L		75	40 - 159	11	20
1,1-Dichloroethane	50.0	46.4		ug/L		93	70 - 125	1	20
1,2-Dichloroethane	50.0	47.4		ug/L		95	68 - 127	2	20
1,1-Dichloroethene	50.0	40.3		ug/L		81	67 - 122	6	20
1,2-Dichloropropane	50.0	43.1		ug/L		86	67 - 130	1	20
1,3-Dichloropropane	50.0	42.9		ug/L		86	62 - 136	1	20
2,2-Dichloropropane	50.0	51.4		ug/L		103	58 - 139	1	20
1,1-Dichloropropene	50.0	46.7		ug/L		93	70 - 121	5	20
Ethylbenzene	50.0	46.5		ug/L		93	70 - 123	1	20
Hexachlorobutadiene	50.0	47.2		ug/L		94	51 - 150	4	20
Isopropylbenzene	50.0	45.9		ug/L		92	70 - 126	1	20
Methylene Chloride	50.0	40.8		ug/L		82	69 - 125	1	20
Methyl tert-butyl ether	50.0	44.4		ug/L		89	55 - 123	0	20
Naphthalene	50.0	45.2		ug/L		90	53 - 144	1	20
n-Butylbenzene	50.0	46.1		ug/L		92	68 - 125	0	20
N-Propylbenzene	50.0	46.1		ug/L		92	69 - 127	1	20
4-Isopropyltoluene	50.0	47.0		ug/L		94	70 - 125	1	20
sec-Butylbenzene	50.0	46.8		ug/L		94	70 - 123	2	20
Styrene	50.0	43.6		ug/L		87	70 - 120	3	20
tert-Butylbenzene	50.0	47.1		ug/L		94	70 - 121	1	20
1,1,1,2-Tetrachloroethane	50.0	45.7		ug/L		91	70 - 125	2	20
1,1,2,2-Tetrachloroethane	50.0	42.8		ug/L		86	62 - 140	5	20
Tetrachloroethene	50.0	47.3		ug/L		95	70 - 128	1	20
Toluene	50.0	44.0		ug/L		88	70 - 125	1	20
trans-1,2-Dichloroethene	50.0	44.5		ug/L		89	70 - 125	2	20
trans-1,3-Dichloropropene	50.0	44.3		ug/L		89	62 - 128	0	20
1,2,3-Trichlorobenzene	50.0	45.5		ug/L		91	51 - 145	1	20
1,2,4-Trichlorobenzene	50.0	44.7		ug/L		89	57 - 137	1	20
1,1,1-Trichloroethane	50.0	50.8		ug/L		102	70 - 125	5	20
1,1,2-Trichloroethane	50.0	43.2		ug/L		86	71 - 130	4	20
Trichloroethene	50.0	46.0		ug/L		92	70 - 125	4	20
Trichlorofluoromethane	50.0	52.1		ug/L		104	55 - 128	8	20
1,2,3-Trichloropropane	50.0	44.6		ug/L		89	50 - 133	1	20

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

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

Lab Sample ID: LCSD 500-790487/5

Matrix: Water

Analysis Batch: 790487

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	50.0	45.8		ug/L		92	70 - 123	1	20
1,3,5-Trimethylbenzene	50.0	45.7		ug/L		91	70 - 123	1	20
Vinyl chloride	50.0	48.5		ug/L		97	64 - 126	2	20
Xylenes, Total	100	92.8		ug/L		93	70 - 125	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		72 - 124
Dibromofluoromethane (Surr)	105		75 - 120
1,2-Dichloroethane-d4 (Surr)	108		75 - 126
Toluene-d8 (Surr)	102		75 - 120

Lab Sample ID: MB 500-790681/9

Matrix: Water

Analysis Batch: 790681

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			10/15/24 13:43	1
Bromobenzene	<0.60		1.0	0.60	ug/L			10/15/24 13:43	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			10/15/24 13:43	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			10/15/24 13:43	1
Bromoform	<0.96		1.0	0.96	ug/L			10/15/24 13:43	1
Bromomethane	<1.8		3.0	1.8	ug/L			10/15/24 13:43	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			10/15/24 13:43	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			10/15/24 13:43	1
Chloroethane	<0.47		5.0	0.47	ug/L			10/15/24 13:43	1
Chloroform	<0.92		2.0	0.92	ug/L			10/15/24 13:43	1
Chloromethane	<0.79		5.0	0.79	ug/L			10/15/24 13:43	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			10/15/24 13:43	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			10/15/24 13:43	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			10/15/24 13:43	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			10/15/24 13:43	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			10/15/24 13:43	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			10/15/24 13:43	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			10/15/24 13:43	1
Dibromomethane	<0.58		1.0	0.58	ug/L			10/15/24 13:43	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			10/15/24 13:43	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/15/24 13:43	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			10/15/24 13:43	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			10/15/24 13:43	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			10/15/24 13:43	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			10/15/24 13:43	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			10/15/24 13:43	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			10/15/24 13:43	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			10/15/24 13:43	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			10/15/24 13:43	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			10/15/24 13:43	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			10/15/24 13:43	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			10/15/24 13:43	1

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

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

Lab Sample ID: MB 500-790681/9

Matrix: Water

Analysis Batch: 790681

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	<0.29		1.0	0.29	ug/L			10/15/24 13:43	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			10/15/24 13:43	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			10/15/24 13:43	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			10/15/24 13:43	1
Naphthalene	<0.44		1.0	0.44	ug/L			10/15/24 13:43	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			10/15/24 13:43	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			10/15/24 13:43	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			10/15/24 13:43	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			10/15/24 13:43	1
Styrene	<0.31		1.0	0.31	ug/L			10/15/24 13:43	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			10/15/24 13:43	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			10/15/24 13:43	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			10/15/24 13:43	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			10/15/24 13:43	1
Toluene	<0.21		0.50	0.21	ug/L			10/15/24 13:43	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			10/15/24 13:43	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			10/15/24 13:43	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			10/15/24 13:43	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			10/15/24 13:43	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			10/15/24 13:43	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			10/15/24 13:43	1
Trichloroethene	<0.15		0.50	0.15	ug/L			10/15/24 13:43	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			10/15/24 13:43	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			10/15/24 13:43	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			10/15/24 13:43	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			10/15/24 13:43	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/15/24 13:43	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			10/15/24 13:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		72 - 124		10/15/24 13:43	1
Dibromofluoromethane (Surr)	97		75 - 120		10/15/24 13:43	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 126		10/15/24 13:43	1
Toluene-d8 (Surr)	100		75 - 120		10/15/24 13:43	1

Lab Sample ID: LCS 500-790681/6

Matrix: Water

Analysis Batch: 790681

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	43.0		ug/L		86	70 - 120
Bromobenzene	50.0	41.9		ug/L		84	70 - 122
Bromochloromethane	50.0	41.6		ug/L		83	65 - 122
Bromodichloromethane	50.0	40.8		ug/L		82	69 - 120
Bromoform	50.0	42.5		ug/L		85	56 - 132
Bromomethane	50.0	53.4		ug/L		107	40 - 152
Carbon tetrachloride	50.0	45.3		ug/L		91	59 - 133
Chlorobenzene	50.0	41.4		ug/L		83	70 - 120

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

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

Lab Sample ID: LCS 500-790681/6

Matrix: Water

Analysis Batch: 790681

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroethane	50.0	43.8		ug/L		88	48 - 136
Chloroform	50.0	40.2		ug/L		80	70 - 120
Chloromethane	50.0	41.6		ug/L		83	56 - 152
2-Chlorotoluene	50.0	42.4		ug/L		85	70 - 125
4-Chlorotoluene	50.0	42.4		ug/L		85	68 - 124
cis-1,2-Dichloroethene	50.0	42.6		ug/L		85	70 - 125
cis-1,3-Dichloropropene	50.0	42.1		ug/L		84	64 - 127
Dibromochloromethane	50.0	41.9		ug/L		84	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	43.1		ug/L		86	56 - 123
1,2-Dibromoethane (EDB)	50.0	42.4		ug/L		85	70 - 125
Dibromomethane	50.0	42.6		ug/L		85	70 - 120
1,2-Dichlorobenzene	50.0	42.6		ug/L		85	70 - 125
1,3-Dichlorobenzene	50.0	41.5		ug/L		83	70 - 125
1,4-Dichlorobenzene	50.0	41.3		ug/L		83	70 - 120
Dichlorodifluoromethane	50.0	42.5		ug/L		85	40 - 159
1,1-Dichloroethane	50.0	44.4		ug/L		89	70 - 125
1,2-Dichloroethane	50.0	42.0		ug/L		84	68 - 127
1,1-Dichloroethene	50.0	45.3		ug/L		91	67 - 122
1,2-Dichloropropane	50.0	43.6		ug/L		87	67 - 130
1,3-Dichloropropane	50.0	42.9		ug/L		86	62 - 136
2,2-Dichloropropane	50.0	44.9		ug/L		90	58 - 139
1,1-Dichloropropene	50.0	45.5		ug/L		91	70 - 121
Ethylbenzene	50.0	43.9		ug/L		88	70 - 123
Hexachlorobutadiene	50.0	44.4		ug/L		89	51 - 150
Isopropylbenzene	50.0	43.0		ug/L		86	70 - 126
Methylene Chloride	50.0	43.5		ug/L		87	69 - 125
Methyl tert-butyl ether	50.0	44.4		ug/L		89	55 - 123
Naphthalene	50.0	45.3		ug/L		91	53 - 144
n-Butylbenzene	50.0	45.8		ug/L		92	68 - 125
N-Propylbenzene	50.0	43.7		ug/L		87	69 - 127
4-Isopropyltoluene	50.0	43.4		ug/L		87	70 - 125
sec-Butylbenzene	50.0	44.4		ug/L		89	70 - 123
Styrene	50.0	42.3		ug/L		85	70 - 120
tert-Butylbenzene	50.0	43.3		ug/L		87	70 - 121
1,1,1,2-Tetrachloroethane	50.0	41.9		ug/L		84	70 - 125
1,1,2,2-Tetrachloroethane	50.0	44.3		ug/L		89	62 - 140
Tetrachloroethene	50.0	43.9		ug/L		88	70 - 128
Toluene	50.0	42.9		ug/L		86	70 - 125
trans-1,2-Dichloroethene	50.0	43.6		ug/L		87	70 - 125
trans-1,3-Dichloropropene	50.0	42.2		ug/L		84	62 - 128
1,2,3-Trichlorobenzene	50.0	44.5		ug/L		89	51 - 145
1,2,4-Trichlorobenzene	50.0	43.6		ug/L		87	57 - 137
1,1,1-Trichloroethane	50.0	43.3		ug/L		87	70 - 125
1,1,2-Trichloroethane	50.0	43.4		ug/L		87	71 - 130
Trichloroethene	50.0	42.7		ug/L		85	70 - 125
Trichlorofluoromethane	50.0	42.6		ug/L		85	55 - 128
1,2,3-Trichloropropane	50.0	43.7		ug/L		87	50 - 133
1,2,4-Trimethylbenzene	50.0	42.7		ug/L		85	70 - 123
1,3,5-Trimethylbenzene	50.0	43.1		ug/L		86	70 - 123

Eurofins Chicago

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

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

Lab Sample ID: LCS 500-790681/6

Matrix: Water

Analysis Batch: 790681

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	50.0	43.7		ug/L		87	64 - 126
Xylenes, Total	100	86.2		ug/L		86	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		72 - 124
Dibromofluoromethane (Surr)	99		75 - 120
1,2-Dichloroethane-d4 (Surr)	99		75 - 126
Toluene-d8 (Surr)	100		75 - 120

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 2252 Edgewater Dr.

Lab Sample ID: 500-257930-1

Date Collected: 10/01/24 07:00

Matrix: Water

Date Received: 10/04/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790296	W1T	EET CHI	10/12/24 21:48

Client Sample ID: 2165 Green Bay Rd.

Lab Sample ID: 500-257930-2

Date Collected: 10/01/24 07:20

Matrix: Water

Date Received: 10/04/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790296	W1T	EET CHI	10/13/24 05:06

Client Sample ID: 2258 Edgewater Dr.

Lab Sample ID: 500-257930-3

Date Collected: 10/01/24 07:30

Matrix: Water

Date Received: 10/04/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790296	W1T	EET CHI	10/12/24 22:14

Client Sample ID: 2225 Green Bay Rd

Lab Sample ID: 500-257930-4

Date Collected: 10/01/24 08:45

Matrix: Water

Date Received: 10/04/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790296	W1T	EET CHI	10/13/24 05:32

Client Sample ID: 2232 Edgewood Dr.

Lab Sample ID: 500-257930-5

Date Collected: 10/01/24 10:35

Matrix: Water

Date Received: 10/04/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790296	W1T	EET CHI	10/12/24 22:40

Client Sample ID: 2267 Edgewood Dr.

Lab Sample ID: 500-257930-6

Date Collected: 10/01/24 11:15

Matrix: Water

Date Received: 10/04/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790296	W1T	EET CHI	10/12/24 23:06

Client Sample ID: MW-13S

Lab Sample ID: 500-257930-7

Date Collected: 10/01/24 12:25

Matrix: Water

Date Received: 10/04/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790296	W1T	EET CHI	10/12/24 23:31
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/01/24 12:25

Eurofins Chicago

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-13B

Date Collected: 10/01/24 12:35

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790296	W1T	EET CHI	10/12/24 23:57
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/01/24 12:35

Client Sample ID: 2280 Edgewood Dr.

Date Collected: 10/01/24 11:55

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790296	W1T	EET CHI	10/13/24 00:23

Client Sample ID: MW-6D

Date Collected: 10/01/24 13:45

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790296	W1T	EET CHI	10/13/24 00:49
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/01/24 13:45

Client Sample ID: MW-6S

Date Collected: 10/01/24 13:35

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790296	W1T	EET CHI	10/13/24 01:14
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/01/24 13:35

Client Sample ID: MW-6B

Date Collected: 10/01/24 13:55

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790296	W1T	EET CHI	10/13/24 01:40
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/01/24 13:55

Client Sample ID: MW-1B

Date Collected: 10/01/24 14:55

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790296	W1T	EET CHI	10/13/24 02:06
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/01/24 14:55

Eurofins Chicago

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-1D

Date Collected: 10/01/24 15:00

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790296	W1T	EET CHI	10/13/24 02:31
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/01/24 15:00

Client Sample ID: MW-1S

Date Collected: 10/01/24 15:20

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790296	W1T	EET CHI	10/13/24 02:57
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/01/24 15:20

Client Sample ID: MW-9B

Date Collected: 10/02/24 08:35

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790296	W1T	EET CHI	10/13/24 03:23
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/02/24 08:35

Client Sample ID: MW-9S

Date Collected: 10/02/24 08:30

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790296	W1T	EET CHI	10/13/24 03:49
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/02/24 08:30

Client Sample ID: MW-2D

Date Collected: 10/02/24 09:15

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790296	W1T	EET CHI	10/13/24 04:14
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/02/24 09:15

Client Sample ID: MW-2S

Date Collected: 10/02/24 09:20

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790487	W1T	EET CHI	10/14/24 14:51
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/02/24 09:20

Eurofins Chicago

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-12B

Date Collected: 10/02/24 09:45

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790487	W1T	EET CHI	10/14/24 15:14
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/02/24 09:45

Client Sample ID: MW-12S

Date Collected: 10/02/24 09:50

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790487	W1T	EET CHI	10/14/24 15:38
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/02/24 09:50

Client Sample ID: MW-4D

Date Collected: 10/02/24 10:30

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790487	W1T	EET CHI	10/14/24 16:01
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/02/24 10:30

Client Sample ID: MW-3S

Date Collected: 10/02/24 10:45

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790487	W1T	EET CHI	10/14/24 16:24
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/02/24 10:45

Client Sample ID: MW-3D

Date Collected: 10/02/24 10:50

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790487	W1T	EET CHI	10/14/24 16:47
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/02/24 10:50

Client Sample ID: MW-3B1

Date Collected: 10/02/24 11:33

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790487	W1T	EET CHI	10/14/24 17:10
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/02/24 11:33

Eurofins Chicago

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-3B2

Date Collected: 10/02/24 11:35

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790487	W1T	EET CHI	10/14/24 17:33
Total/NA	Analysis	8260D	DL	10	790487	W1T	EET CHI	10/14/24 17:56
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/02/24 11:35

Client Sample ID: Dup-1

Date Collected: 10/02/24 11:37

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	DL	10	790681	W1T	EET CHI	10/15/24 16:07
Total/NA	Analysis	8260D		1	790487	W1T	EET CHI	10/14/24 18:19

Client Sample ID: MW-8S

Date Collected: 10/02/24 12:18

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790681	W1T	EET CHI	10/15/24 16:30
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/02/24 12:18

Client Sample ID: MW-8B

Date Collected: 10/02/24 12:25

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-29

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790487	W1T	EET CHI	10/14/24 19:06
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/02/24 12:25

Client Sample ID: Trip Blank

Date Collected: 10/03/24 00:00

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790487	W1T	EET CHI	10/14/24 14:28

Client Sample ID: 2217 Green Bay Rd.

Date Collected: 10/03/24 09:00

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-31

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790487	W1T	EET CHI	10/14/24 19:29

Eurofins Chicago

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: 1945 Tamarack Trail

Date Collected: 10/03/24 12:05

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-32

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790487	W1T	EET CHI	10/14/24 19:53

Client Sample ID: 2246 Edgewater Dr.

Date Collected: 10/02/24 07:35

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-33

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	790487	W1T	EET CHI	10/14/24 20:16

Client Sample ID: MW-4S

Date Collected: 10/01/24 00:00

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-34

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/01/24 00:00

Client Sample ID: MW-5S

Date Collected: 10/01/24 00:00

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/01/24 00:00

Client Sample ID: MW-5D

Date Collected: 10/01/24 00:00

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-36

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/01/24 00:00

Client Sample ID: MW-7S

Date Collected: 10/01/24 00:00

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-37

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/01/24 00:00

Client Sample ID: MW-7D

Date Collected: 10/01/24 00:00

Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/01/24 00:00

Eurofins Chicago

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Client Sample ID: MW-11S
Date Collected: 10/01/24 00:00
Date Received: 10/04/24 09:00

Lab Sample ID: 500-257930-39
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	790546	DN	EET CHI	10/01/24 00:00

Laboratory References:
EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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Accreditation/Certification Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196

Job ID: 500-257930-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-25

1
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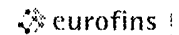
Eurofins Chicago

2417 Bond Street

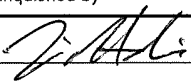
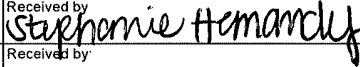
University Park, IL 60484

Phone 708 534 5200 Fax. 708-534-5211

Chain of Custody Record



! 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Client Information		Sampler		Lab PM Fredrick Sandie		Carrier Tracking No(s)		COC No 500 128894-36693 1	
Client Contact Jiyan Hatami		Phone		E-Mail Sandra Fredrick@et.eurofins.com		State of Origin		Page Page 1 of 1	
Company Stantec Consulting Corporation		PWSID		Analysis Requested		Job # 500-257930		Preservation Codes A HCL	
Address 12080 Corporate Parkway, Suite 200		Due Date Requested		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8260B - VOC		Total Number of Containers		500-257930 COC 	
City Mequon		TAT Requested (days) 10							
State Zip WI, 53092		Compliance Project ☐ Yes ☐ No							
Phone		PO # 193704196							
Email Jiyan.Hatami@stantec.com		WO #							
Project Name Denow Landfill 193704196		Project # 50013806							
Site		SSOW#							
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=tissue, A-Air)	
						Preservation Code:			
1 2252 Edgewater Dr.		10/1/24		0700		G		Water	
2 2165 Green Bay Rd		10/1/24		0720				Water	
3 2258 Edgewater Dr.		10/1/24		0730				Water	
4 2275 Green Bay Rd.				0845				Water	
5 2232 Edgewood Dr.				1035				Water	
6 2267 Edgewood Dr.				1115				Water	
7 MW-135				1225				Water	
8 MW-13B				1235				Water	
9 2280 Edgewood Dr.				1155				Water	
10 MW-65				1345				Water	
11 MW-65				1355				Water	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested I, II, III, IV Other (specify)						Special Instructions/QC Requirements MSA #40411			
Empty Kit Relinquished by		Date		Time		Method of Shipment:			
Relinquished by: 		Date/Time 10/3/24, 1520		Company Stantec		Received by: 		Date/Time 10/3/24 0900	
Relinquished by:		Date/Time		Company		Received by:		Date/Time	
Relinquished by:		Date/Time		Company		Received by:		Date/Time	
Custody Seals Intact ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks 1.6 - 70.5					

Eurofins Chicago

2417 Bond Street

University Park IL 60484

Phone 708-534-5200 Fax 708 534 5211

Chain of Custody Record

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Environmental Testing

Client Information		Sampler		Lab PM		Carrier Tracking No(s)		COC No	
Client Contact: Jiyan Hatami		Phone		Fredrick, Sandie		E Mail Sandra.Fredrick@et.eurofins.com		500-128894-36693 4	
Company Stantec Consulting Corporation		PWSID		Analysis Requested		Job #		Page 29 of 29	
Address 12080 Corporate Parkway, Suite 200		Due Date Requested		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Preservation Codes A HCL	
City Mequon		TAT Requested (days) 10		8260B - VOC		Total Number of Containers		Other:	
State Zip WI 53092		Compliance Project ☐ Yes ☐ No							
Phone		PO # 193704196							
Email Jiyan.Hatami@stantec.com		WO #							
Project Name Denow Landfill 193704196		Project # 50013806							
Site		SSOW#							
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=wastefoil, BT=tissue, A=Air)	
						Preservation Code			
12 MW-6B		10/1		1355		G		Water	
13 MW-1B		↓		1455				Water	
14 MW-1D		↓		1500				Water	
15 MW-1S		↓		1520				Water	
16 MW-9B		10/2		0835				Water	
17 MW-9S		↓		0830				Water	
18 MW-2D		↓		0915				Water	
19 MW-2S		↓		0920				Water	
20 MW-12B		↓		0945				Water	
21 MW-12S		↓		0950				Water	
22 MW-4S		↓		1030				Water	
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological		☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months							
Deliverable Requested I, II, III IV, Other (specify)		Special Instructions/QC Requirements							
		MSA #40411							
Empty Kit Relinquished by		Date		Time		Method of Shipment			
Relinquished by: [Signature]		Date/Time 10/13/24, 1520		Company Stantec		Received by: [Signature]		Date/Time 10/14/24 0902	
Relinquished by:		Date/Time		Company		Received by:		Date/Time	
Relinquished by:		Date/Time		Company		Received by:		Date/Time	
Custody Seats Intact ☐ Yes ☐ No		Custody Seal No				Cooler Temperature(s) °C and Other Remarks			

Enviament is also a

Client Information		Sampler		Lab PM		Carrier Tracking No(s)		COC No																					
Client Contact: Jiyan Hatami		Phone		Fredrick, Sandie		State of Origin		500-128894-36693 2																					
Company: Stantec Consulting Corporation		PWSID		E-Mail Sandra.Fredrick@et.eurofinsus.com		Page 34 of 3		Job # 500-257930																					
Address: 12080 Corporate Parkway, Suite 200		Due Date Requested		Analysis Requested		Preservation Codes A HCL		Other																					
City: Mequon		TAT Requested (days)																											
State Zip WI, 53092		Compliance Project Δ Yes Δ No																											
Phone:		PO #. 193704196																											
Email: Jiyan.Hatami@stantec.com		WO #																											
Project Name Denow Landfill 193704196		Project #. 50013806		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		8260B - VOC		Total Number of Containers																			
Site		SSOW#																											
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Special Instructions/Note																			
MW-4D		10/2/24		1030		G		Water		X																			
MW-3S		↓		1045		↓		Water		X																			
MW-3D		↓		1050		↓		Water		X																			
MW-3B1		↓		1133		↓		Water		X																			
MW-3B2		↓		1135		↓		Water		X																			
Dup-1		↓		1137		↓		Water		X																			
MW-8S		↓		1218		↓		Water		X																			
MW-8B		↓		1225		↓		Water		X																			
Trip Blank		10/3/24		—		—		Water		X																			
2217 Green Bay Rd		↓		0900		G		Water		X																			
1945 Tamarack Trail		↓		1205		↓		Water		X																			
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																			
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological										☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months																			
Deliverable Requested I, II, III, IV Other (specify)										Special Instructions/QC Requirements MSA # 40411																			
Empty Kit Relinquished by					Date					Time					Method of Shipment														
Relinquished by [Signature]					Date/Time 10/3/24, 1520					Company Stantec					Received by Stephanie Hemmer					Date/Time 10/4/24					Company [Signature]				
Relinquished by					Date/Time					Company					Received by					Date/Time					Company				
Relinquished by					Date/Time					Company					Received by					Date/Time					Company				
Custody Seals Intact Δ Yes Δ No					Custody Seal No					Cooler Temperature(s) °C and Other Remarks																			

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Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 500-257930-1

Login Number: 257930

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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	0.5
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Denow Landfill
License No. 01133

Field Data Date: 10/1/2024

Well		Analytical Field						Comment
Common	DNR Unique No.	Water Elevation (feet - msl)	Reference Point Elevation (ft)	Depth to Water Measurement (ft)	Specific Conductance (µmhos/cm)	Temperature (°C)	pH (standard unit)	
MW-1S	101	787.51	808.83	21.32	-	-	-	
MW-1D	102	787.49	808.2	20.71	-	-	-	
MW-1B	116	787.37	808.31	20.94	-	-	-	
MW-2S	103	787.46	810.02	22.56	-	-	-	
MW-2D	104	788.48	809.8	21.32	-	-	-	
MW-3S	105	787.14	796.02	8.88	780	16.10	7.16	
MW-3D	106	787.3	795.82	8.52	1206	10.80	7.06	
MW-3B1	125	786.29	796.5	10.21	919	15.50	7.31	
MW-3B2	126	786.37	796.33	9.96	1134	13.60	7.26	DUP
MW-4S	107	790.08	802.89	12.81	-	-	-	
MW-4D	108	787.5	802.6	15.10	-	-	-	
MW-5S	109	794.36	800.55	6.19	-	-	-	
MW-5D	110	782.67	800.44	17.77	-	-	-	
MW-6S	111	788.99	799.46	10.47	-	-	-	
MW-6D	112	781.35	799.38	18.03	525	16.30	7.58	
MW-6B	117	781.35	799.05	17.70	800	10.90	7.22	
MW-7S	113	782.59	801.67	19.08	-	-	-	
MW-7D	114	778.16	801.39	23.23	-	-	-	
MW-8S	115	788.49	807.67	19.18	766	11.70	7.13	
MW-8B	118	788.49	808.03	19.54	1403	10.80	7.19	
MW-9S	119	787.03	794.05	7.02	-	-	-	
MW-9B	120	786.9	793.72	6.82	-	-	-	
MW-10S	121	#VALUE!	806.33	Dry	-	-	-	
MW-11S	122	787.07	821.03	33.96	-	-	-	
MW-12S	123	787.53	818.74	31.21	-	-	-	
MW-12B	124	786.97	818.49	31.52	-	-	-	
MW-13S	127	787.67	795.26	7.59	-	-	-	
MW-13B	128	787.73	795.88	8.15	-	-	-	

DNR Parameter Code

04189

00094

00010

00400



ANALYTICAL REPORT

PREPARED FOR

Attn: Chris Hatfield
Stantec Consulting Corporation
12080 Corporate Parkway, Suite 200
Mequon, Wisconsin 53092

Generated 11/12/2024 3:41:18 PM

JOB DESCRIPTION

Denow Landfill - 193704196 2258 Edgewater

JOB NUMBER

500-259483-1

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = $3.33 \times \text{LOD}$ as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



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Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Case Narrative

Client: Stantec Consulting Corporation
Project: Denow Landfill - 193704196 2258 Edgewater

Job ID: 500-259483-1

Job ID: 500-259483-1

Eurofins Chicago

Job Narrative 500-259483-1

Receipt

The samples were received on 11/2/2024 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -1.9° C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 500-794711 was outside the method criteria for the following analyte(s): 1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

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Detection Summary

Client: Stantec Consulting Corporation

Project/Site: Denow Landfill - 193704196 2258 Edgewater

Job ID: 500-259483-1

Client Sample ID: 2258 Edgewater Dr

Lab Sample ID: 500-259483-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.35	J	1.0	0.20	ug/L	1		8260D	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-259483-5

No Detections.

Method Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2258 Edgewater

Job ID: 500-259483-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2258 Edgewater

Job ID: 500-259483-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-259483-1	2258 Edgewater Dr	Water	10/31/24 07:45	11/02/24 09:30
500-259483-5	Trip Blank	Water	10/31/24 00:00	11/02/24 09:30

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2258 Edgewater

Job ID: 500-259483-1

Client Sample ID: 2258 Edgewater Dr

Lab Sample ID: 500-259483-1

Date Collected: 10/31/24 07:45

Matrix: Water

Date Received: 11/02/24 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			11/11/24 12:29	1
Bromobenzene	<0.60		1.0	0.60	ug/L			11/11/24 12:29	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			11/11/24 12:29	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			11/11/24 12:29	1
Bromoform	<0.96		1.0	0.96	ug/L			11/11/24 12:29	1
Bromomethane	<1.8		3.0	1.8	ug/L			11/11/24 12:29	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			11/11/24 12:29	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 12:29	1
Chloroethane	<0.47		5.0	0.47	ug/L			11/11/24 12:29	1
Chloroform	<0.92		2.0	0.92	ug/L			11/11/24 12:29	1
Chloromethane	<0.79		5.0	0.79	ug/L			11/11/24 12:29	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			11/11/24 12:29	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			11/11/24 12:29	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			11/11/24 12:29	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			11/11/24 12:29	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			11/11/24 12:29	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			11/11/24 12:29	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			11/11/24 12:29	1
Dibromomethane	<0.58		1.0	0.58	ug/L			11/11/24 12:29	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			11/11/24 12:29	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 12:29	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			11/11/24 12:29	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			11/11/24 12:29	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			11/11/24 12:29	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			11/11/24 12:29	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			11/11/24 12:29	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			11/11/24 12:29	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			11/11/24 12:29	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			11/11/24 12:29	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			11/11/24 12:29	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/11/24 12:29	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			11/11/24 12:29	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 12:29	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			11/11/24 12:29	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			11/11/24 12:29	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			11/11/24 12:29	1
Naphthalene	<0.44		1.0	0.44	ug/L			11/11/24 12:29	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			11/11/24 12:29	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			11/11/24 12:29	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			11/11/24 12:29	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 12:29	1
Styrene	<0.31		1.0	0.31	ug/L			11/11/24 12:29	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 12:29	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			11/11/24 12:29	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			11/11/24 12:29	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			11/11/24 12:29	1
Toluene	<0.21		0.50	0.21	ug/L			11/11/24 12:29	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			11/11/24 12:29	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			11/11/24 12:29	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2258 Edgewater

Job ID: 500-259483-1

Client Sample ID: 2258 Edgewater Dr

Lab Sample ID: 500-259483-1

Date Collected: 10/31/24 07:45

Matrix: Water

Date Received: 11/02/24 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			11/11/24 12:29	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			11/11/24 12:29	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			11/11/24 12:29	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			11/11/24 12:29	1
Trichloroethene	<0.15		0.50	0.15	ug/L			11/11/24 12:29	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			11/11/24 12:29	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			11/11/24 12:29	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			11/11/24 12:29	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 12:29	1
Vinyl chloride	0.35 J		1.0	0.20	ug/L			11/11/24 12:29	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			11/11/24 12:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		72 - 124		11/11/24 12:29	1
Dibromofluoromethane (Surr)	97		75 - 120		11/11/24 12:29	1
1,2-Dichloroethane-d4 (Surr)	112		75 - 126		11/11/24 12:29	1
Toluene-d8 (Surr)	103		75 - 120		11/11/24 12:29	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2258 Edgewater

Job ID: 500-259483-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-259483-5

Date Collected: 10/31/24 00:00

Matrix: Water

Date Received: 11/02/24 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			11/11/24 15:24	1
Bromobenzene	<0.60		1.0	0.60	ug/L			11/11/24 15:24	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			11/11/24 15:24	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			11/11/24 15:24	1
Bromoform	<0.96		1.0	0.96	ug/L			11/11/24 15:24	1
Bromomethane	<1.8		3.0	1.8	ug/L			11/11/24 15:24	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			11/11/24 15:24	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 15:24	1
Chloroethane	<0.47		5.0	0.47	ug/L			11/11/24 15:24	1
Chloroform	<0.92		2.0	0.92	ug/L			11/11/24 15:24	1
Chloromethane	<0.79		5.0	0.79	ug/L			11/11/24 15:24	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			11/11/24 15:24	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			11/11/24 15:24	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			11/11/24 15:24	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			11/11/24 15:24	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			11/11/24 15:24	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			11/11/24 15:24	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			11/11/24 15:24	1
Dibromomethane	<0.58		1.0	0.58	ug/L			11/11/24 15:24	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			11/11/24 15:24	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 15:24	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			11/11/24 15:24	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			11/11/24 15:24	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			11/11/24 15:24	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			11/11/24 15:24	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			11/11/24 15:24	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			11/11/24 15:24	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			11/11/24 15:24	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			11/11/24 15:24	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			11/11/24 15:24	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/11/24 15:24	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			11/11/24 15:24	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 15:24	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			11/11/24 15:24	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			11/11/24 15:24	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			11/11/24 15:24	1
Naphthalene	<0.44		1.0	0.44	ug/L			11/11/24 15:24	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			11/11/24 15:24	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			11/11/24 15:24	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			11/11/24 15:24	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 15:24	1
Styrene	<0.31		1.0	0.31	ug/L			11/11/24 15:24	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 15:24	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			11/11/24 15:24	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			11/11/24 15:24	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			11/11/24 15:24	1
Toluene	<0.21		0.50	0.21	ug/L			11/11/24 15:24	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			11/11/24 15:24	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			11/11/24 15:24	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2258 Edgewater

Job ID: 500-259483-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-259483-5

Date Collected: 10/31/24 00:00

Matrix: Water

Date Received: 11/02/24 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			11/11/24 15:24	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			11/11/24 15:24	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			11/11/24 15:24	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			11/11/24 15:24	1
Trichloroethene	<0.15		0.50	0.15	ug/L			11/11/24 15:24	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			11/11/24 15:24	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			11/11/24 15:24	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			11/11/24 15:24	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 15:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/11/24 15:24	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			11/11/24 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		72 - 124		11/11/24 15:24	1
Dibromofluoromethane (Surr)	97		75 - 120		11/11/24 15:24	1
1,2-Dichloroethane-d4 (Surr)	110		75 - 126		11/11/24 15:24	1
Toluene-d8 (Surr)	104		75 - 120		11/11/24 15:24	1

Definitions/Glossary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2258 Edgewater

Job ID: 500-259483-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2258 Edgewater

Job ID: 500-259483-1

GC/MS VOA

Analysis Batch: 794711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259483-1	2258 Edgewater Dr	Total/NA	Water	8260D	
500-259483-5	Trip Blank	Total/NA	Water	8260D	
MB 500-794711/8	Method Blank	Total/NA	Water	8260D	
LCS 500-794711/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-794711/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Surrogate Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2258 Edgewater

Job ID: 500-259483-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	BFB	DBFM	DCA	TOL
		(72-124)	(75-120)	(75-126)	(75-120)
500-259483-1	2258 Edgewater Dr	110	97	112	103
500-259483-5	Trip Blank	110	97	110	104
LCS 500-794711/4	Lab Control Sample	107	98	111	103
LCSD 500-794711/5	Lab Control Sample Dup	108	97	108	104
MB 500-794711/8	Method Blank	108	97	111	104

Surrogate Legend

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

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2258 Edgewater

Job ID: 500-259483-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-794711/8

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			11/11/24 12:05	1
Bromobenzene	<0.60		1.0	0.60	ug/L			11/11/24 12:05	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			11/11/24 12:05	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			11/11/24 12:05	1
Bromoform	<0.96		1.0	0.96	ug/L			11/11/24 12:05	1
Bromomethane	<1.8		3.0	1.8	ug/L			11/11/24 12:05	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			11/11/24 12:05	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 12:05	1
Chloroethane	<0.47		5.0	0.47	ug/L			11/11/24 12:05	1
Chloroform	<0.92		2.0	0.92	ug/L			11/11/24 12:05	1
Chloromethane	<0.79		5.0	0.79	ug/L			11/11/24 12:05	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			11/11/24 12:05	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			11/11/24 12:05	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			11/11/24 12:05	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			11/11/24 12:05	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			11/11/24 12:05	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			11/11/24 12:05	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			11/11/24 12:05	1
Dibromomethane	<0.58		1.0	0.58	ug/L			11/11/24 12:05	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			11/11/24 12:05	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 12:05	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			11/11/24 12:05	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			11/11/24 12:05	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			11/11/24 12:05	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			11/11/24 12:05	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			11/11/24 12:05	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			11/11/24 12:05	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			11/11/24 12:05	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			11/11/24 12:05	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			11/11/24 12:05	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/11/24 12:05	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			11/11/24 12:05	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 12:05	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			11/11/24 12:05	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			11/11/24 12:05	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			11/11/24 12:05	1
Naphthalene	<0.44		1.0	0.44	ug/L			11/11/24 12:05	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			11/11/24 12:05	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			11/11/24 12:05	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			11/11/24 12:05	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 12:05	1
Styrene	<0.31		1.0	0.31	ug/L			11/11/24 12:05	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 12:05	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			11/11/24 12:05	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			11/11/24 12:05	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			11/11/24 12:05	1
Toluene	<0.21		0.50	0.21	ug/L			11/11/24 12:05	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			11/11/24 12:05	1

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2258 Edgewater

Job ID: 500-259483-1

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

Lab Sample ID: MB 500-794711/8

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			11/11/24 12:05	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			11/11/24 12:05	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			11/11/24 12:05	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			11/11/24 12:05	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			11/11/24 12:05	1
Trichloroethene	<0.15		0.50	0.15	ug/L			11/11/24 12:05	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			11/11/24 12:05	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			11/11/24 12:05	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			11/11/24 12:05	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 12:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/11/24 12:05	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			11/11/24 12:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		72 - 124		11/11/24 12:05	1
Dibromofluoromethane (Surr)	97		75 - 120		11/11/24 12:05	1
1,2-Dichloroethane-d4 (Surr)	111		75 - 126		11/11/24 12:05	1
Toluene-d8 (Surr)	104		75 - 120		11/11/24 12:05	1

Lab Sample ID: LCS 500-794711/4

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	49.7		ug/L		99	70 - 120
Bromobenzene	50.0	48.1		ug/L		96	70 - 122
Bromochloromethane	50.0	47.3		ug/L		95	65 - 122
Bromodichloromethane	50.0	48.6		ug/L		97	69 - 120
Bromoform	50.0	46.3		ug/L		93	56 - 132
Bromomethane	50.0	59.3		ug/L		119	40 - 152
Carbon tetrachloride	50.0	50.9		ug/L		102	59 - 133
Chlorobenzene	50.0	47.1		ug/L		94	70 - 120
Chloroethane	50.0	52.6		ug/L		105	48 - 136
Chloroform	50.0	48.6		ug/L		97	70 - 120
Chloromethane	50.0	48.5		ug/L		97	56 - 152
2-Chlorotoluene	50.0	50.2		ug/L		100	70 - 125
4-Chlorotoluene	50.0	49.9		ug/L		100	68 - 124
cis-1,2-Dichloroethene	50.0	49.2		ug/L		98	70 - 125
cis-1,3-Dichloropropene	50.0	50.8		ug/L		102	64 - 127
Dibromochloromethane	50.0	49.3		ug/L		99	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	49.6		ug/L		99	56 - 123
1,2-Dibromoethane (EDB)	50.0	49.7		ug/L		99	70 - 125
Dibromomethane	50.0	47.5		ug/L		95	70 - 120
1,2-Dichlorobenzene	50.0	45.9		ug/L		92	70 - 125
1,3-Dichlorobenzene	50.0	45.1		ug/L		90	70 - 125
1,4-Dichlorobenzene	50.0	45.1		ug/L		90	70 - 120
Dichlorodifluoromethane	50.0	56.9		ug/L		114	40 - 159
1,1-Dichloroethane	50.0	54.8		ug/L		110	70 - 125

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2258 Edgewater

Job ID: 500-259483-1

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

Lab Sample ID: LCS 500-794711/4

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	53.6		ug/L		107	68 - 127
1,1-Dichloroethene	50.0	50.5		ug/L		101	67 - 122
1,2-Dichloropropane	50.0	52.7		ug/L		105	67 - 130
1,3-Dichloropropane	50.0	51.0		ug/L		102	62 - 136
2,2-Dichloropropane	50.0	54.8		ug/L		110	58 - 139
1,1-Dichloropropene	50.0	53.0		ug/L		106	70 - 121
Ethylbenzene	50.0	50.6		ug/L		101	70 - 123
Hexachlorobutadiene	50.0	49.3		ug/L		99	51 - 150
Isopropylbenzene	50.0	50.4		ug/L		101	70 - 126
Methylene Chloride	50.0	52.6		ug/L		105	69 - 125
Methyl tert-butyl ether	50.0	51.3		ug/L		103	55 - 123
Naphthalene	50.0	45.9		ug/L		92	53 - 144
n-Butylbenzene	50.0	49.5		ug/L		99	68 - 125
N-Propylbenzene	50.0	49.6		ug/L		99	69 - 127
4-Isopropyltoluene	50.0	47.6		ug/L		95	70 - 125
sec-Butylbenzene	50.0	48.8		ug/L		98	70 - 123
Styrene	50.0	50.5		ug/L		101	70 - 120
tert-Butylbenzene	50.0	46.9		ug/L		94	70 - 121
1,1,1,2-Tetrachloroethane	50.0	46.9		ug/L		94	70 - 125
1,1,2,2-Tetrachloroethane	50.0	52.5		ug/L		105	62 - 140
Tetrachloroethene	50.0	47.0		ug/L		94	70 - 128
Toluene	50.0	50.2		ug/L		100	70 - 125
trans-1,2-Dichloroethene	50.0	50.3		ug/L		101	70 - 125
trans-1,3-Dichloropropene	50.0	51.2		ug/L		102	62 - 128
1,2,3-Trichlorobenzene	50.0	42.5		ug/L		85	51 - 145
1,2,4-Trichlorobenzene	50.0	43.7		ug/L		87	57 - 137
1,1,1-Trichloroethane	50.0	51.4		ug/L		103	70 - 125
1,1,2-Trichloroethane	50.0	50.2		ug/L		100	71 - 130
Trichloroethene	50.0	47.3		ug/L		95	70 - 125
Trichlorofluoromethane	50.0	52.2		ug/L		104	55 - 128
1,2,3-Trichloropropane	50.0	51.8		ug/L		104	50 - 133
1,2,4-Trimethylbenzene	50.0	49.9		ug/L		100	70 - 123
1,3,5-Trimethylbenzene	50.0	50.0		ug/L		100	70 - 123
Vinyl chloride	50.0	52.6		ug/L		105	64 - 126
Xylenes, Total	100	99.5		ug/L		99	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		72 - 124
Dibromofluoromethane (Surr)	98		75 - 120
1,2-Dichloroethane-d4 (Surr)	111		75 - 126
Toluene-d8 (Surr)	103		75 - 120

Lab Sample ID: LCSD 500-794711/5

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	50.0	49.7		ug/L		99	70 - 120	0	20

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2258 Edgewater

Job ID: 500-259483-1

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

Lab Sample ID: LCSD 500-794711/5

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromobenzene	50.0	48.7		ug/L		97	70 - 122	1	20
Bromochloromethane	50.0	46.6		ug/L		93	65 - 122	1	20
Bromodichloromethane	50.0	48.0		ug/L		96	69 - 120	1	20
Bromoform	50.0	47.0		ug/L		94	56 - 132	1	20
Bromomethane	50.0	60.1		ug/L		120	40 - 152	1	20
Carbon tetrachloride	50.0	50.2		ug/L		100	59 - 133	1	20
Chlorobenzene	50.0	46.8		ug/L		94	70 - 120	1	20
Chloroethane	50.0	50.9		ug/L		102	48 - 136	3	20
Chloroform	50.0	48.1		ug/L		96	70 - 120	1	20
Chloromethane	50.0	48.0		ug/L		96	56 - 152	1	20
2-Chlorotoluene	50.0	50.1		ug/L		100	70 - 125	0	20
4-Chlorotoluene	50.0	50.5		ug/L		101	68 - 124	1	20
cis-1,2-Dichloroethene	50.0	47.8		ug/L		96	70 - 125	3	20
cis-1,3-Dichloropropene	50.0	51.0		ug/L		102	64 - 127	0	20
Dibromochloromethane	50.0	49.4		ug/L		99	68 - 125	0	20
1,2-Dibromo-3-Chloropropane	50.0	52.7		ug/L		105	56 - 123	6	20
1,2-Dibromoethane (EDB)	50.0	49.7		ug/L		99	70 - 125	0	20
Dibromomethane	50.0	47.9		ug/L		96	70 - 120	1	20
1,2-Dichlorobenzene	50.0	46.6		ug/L		93	70 - 125	1	20
1,3-Dichlorobenzene	50.0	45.7		ug/L		91	70 - 125	1	20
1,4-Dichlorobenzene	50.0	45.7		ug/L		91	70 - 120	2	20
Dichlorodifluoromethane	50.0	55.0		ug/L		110	40 - 159	3	20
1,1-Dichloroethane	50.0	53.9		ug/L		108	70 - 125	2	20
1,2-Dichloroethane	50.0	53.3		ug/L		107	68 - 127	1	20
1,1-Dichloroethene	50.0	50.4		ug/L		101	67 - 122	0	20
1,2-Dichloropropane	50.0	51.6		ug/L		103	67 - 130	2	20
1,3-Dichloropropane	50.0	51.1		ug/L		102	62 - 136	0	20
2,2-Dichloropropane	50.0	54.5		ug/L		109	58 - 139	1	20
1,1-Dichloropropene	50.0	51.8		ug/L		104	70 - 121	2	20
Ethylbenzene	50.0	50.4		ug/L		101	70 - 123	0	20
Hexachlorobutadiene	50.0	49.7		ug/L		99	51 - 150	1	20
Isopropylbenzene	50.0	51.2		ug/L		102	70 - 126	2	20
Methylene Chloride	50.0	51.3		ug/L		103	69 - 125	2	20
Methyl tert-butyl ether	50.0	50.7		ug/L		101	55 - 123	1	20
Naphthalene	50.0	49.0		ug/L		98	53 - 144	6	20
n-Butylbenzene	50.0	49.5		ug/L		99	68 - 125	0	20
N-Propylbenzene	50.0	49.8		ug/L		100	69 - 127	0	20
4-Isopropyltoluene	50.0	47.7		ug/L		95	70 - 125	0	20
sec-Butylbenzene	50.0	48.9		ug/L		98	70 - 123	0	20
Styrene	50.0	49.9		ug/L		100	70 - 120	1	20
tert-Butylbenzene	50.0	47.6		ug/L		95	70 - 121	1	20
1,1,1,2-Tetrachloroethane	50.0	46.4		ug/L		93	70 - 125	1	20
1,1,1,2,2-Tetrachloroethane	50.0	54.0		ug/L		108	62 - 140	3	20
Tetrachloroethene	50.0	46.4		ug/L		93	70 - 128	1	20
Toluene	50.0	49.3		ug/L		99	70 - 125	2	20
trans-1,2-Dichloroethene	50.0	49.0		ug/L		98	70 - 125	3	20
trans-1,3-Dichloropropene	50.0	50.9		ug/L		102	62 - 128	1	20
1,2,3-Trichlorobenzene	50.0	44.8		ug/L		90	51 - 145	5	20
1,2,4-Trichlorobenzene	50.0	45.2		ug/L		90	57 - 137	3	20

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2258 Edgewater

Job ID: 500-259483-1

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

Lab Sample ID: LCSD 500-794711/5

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	50.0	50.5		ug/L		101	70 - 125	2	20
1,1,2-Trichloroethane	50.0	50.2		ug/L		100	71 - 130	0	20
Trichloroethene	50.0	46.7		ug/L		93	70 - 125	1	20
Trichlorofluoromethane	50.0	51.2		ug/L		102	55 - 128	2	20
1,2,3-Trichloropropane	50.0	54.3		ug/L		109	50 - 133	5	20
1,2,4-Trimethylbenzene	50.0	50.3		ug/L		101	70 - 123	1	20
1,3,5-Trimethylbenzene	50.0	50.1		ug/L		100	70 - 123	0	20
Vinyl chloride	50.0	53.1		ug/L		106	64 - 126	1	20
Xylenes, Total	100	97.9		ug/L		98	70 - 125	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	108		72 - 124
Dibromofluoromethane (Surr)	97		75 - 120
1,2-Dichloroethane-d4 (Surr)	108		75 - 126
Toluene-d8 (Surr)	104		75 - 120

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2258 Edgewater

Job ID: 500-259483-1

Client Sample ID: 2258 Edgewater Dr
Date Collected: 10/31/24 07:45
Date Received: 11/02/24 09:30

Lab Sample ID: 500-259483-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	794711	W1T	EET CHI	11/11/24 12:29

Client Sample ID: Trip Blank
Date Collected: 10/31/24 00:00
Date Received: 11/02/24 09:30

Lab Sample ID: 500-259483-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	794711	W1T	EET CHI	11/11/24 15:24

Laboratory References:
EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2258 Edgewater

Job ID: 500-259483-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-25

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12080 CORPORATE PARKWAY
SUITE 200
MEQUON, WI 53092
UNITED STATES US

ACTIVITY IS GOING TO
CAD: 0780307/CAFEJ855

Part # 159469-434 NTW EXP 02/25

TO **SAMPLE RECEIPT**
EUROFINS CHICAGO
2417 BOND ST.

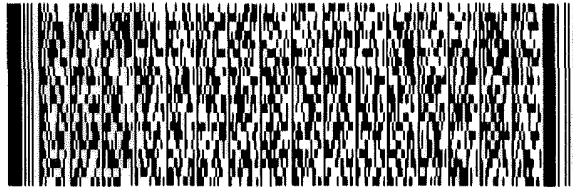
UNIVERSITY PARK IL 60484

(700) 634-6200
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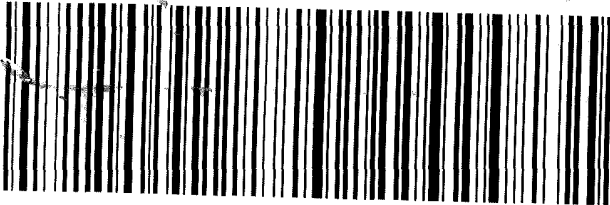
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DELIVERY MON - SAT
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813214 01Nov2024 NKEA 581G6/2D2B/5FE5

Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 500-259483-1

Login Number: 259483

List Source: Eurofins Chicago

List Number: 1

Creator: Yarbrough-Foster, Dahjane

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-1.9
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ANALYTICAL REPORT

PREPARED FOR

Attn: Chris Hatfield
Stantec Consulting Corporation
12080 Corporate Parkway, Suite 200
Mequon, Wisconsin 53092

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JOB DESCRIPTION

Denow Landfill - 193704196 2252 Edgewater

JOB NUMBER

500-259483-2

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = $3.33 \times \text{LOD}$ as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



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Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Case Narrative

Client: Stantec Consulting Corporation
Project: Denow Landfill - 193704196 2252 Edgewater

Job ID: 500-259483-2

Job ID: 500-259483-2

Eurofins Chicago

Job Narrative 500-259483-2

Receipt

The samples were received on 11/2/2024 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -1.9° C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 500-794711 was outside the method criteria for the following analyte(s): 1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

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Detection Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2252 Edgewater

Job ID: 500-259483-2

Client Sample ID: 2252 Edgewater Dr

Lab Sample ID: 500-259483-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.37	J	1.0	0.20	ug/L	1		8260D	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-259483-5

No Detections.

This Detection Summary does not include radiochemical test results.

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Method Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2252 Edgewater

Job ID: 500-259483-2

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2252 Edgewater

Job ID: 500-259483-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-259483-2	2252 Edgewater Dr	Water	10/31/24 07:35	11/02/24 09:30
500-259483-5	Trip Blank	Water	10/31/24 00:00	11/02/24 09:30

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2252 Edgewater

Job ID: 500-259483-2

Client Sample ID: 2252 Edgewater Dr

Lab Sample ID: 500-259483-2

Date Collected: 10/31/24 07:35

Matrix: Water

Date Received: 11/02/24 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			11/11/24 12:52	1
Bromobenzene	<0.60		1.0	0.60	ug/L			11/11/24 12:52	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			11/11/24 12:52	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			11/11/24 12:52	1
Bromoform	<0.96		1.0	0.96	ug/L			11/11/24 12:52	1
Bromomethane	<1.8		3.0	1.8	ug/L			11/11/24 12:52	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			11/11/24 12:52	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 12:52	1
Chloroethane	<0.47		5.0	0.47	ug/L			11/11/24 12:52	1
Chloroform	<0.92		2.0	0.92	ug/L			11/11/24 12:52	1
Chloromethane	<0.79		5.0	0.79	ug/L			11/11/24 12:52	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			11/11/24 12:52	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			11/11/24 12:52	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			11/11/24 12:52	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			11/11/24 12:52	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			11/11/24 12:52	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			11/11/24 12:52	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			11/11/24 12:52	1
Dibromomethane	<0.58		1.0	0.58	ug/L			11/11/24 12:52	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			11/11/24 12:52	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 12:52	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			11/11/24 12:52	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			11/11/24 12:52	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			11/11/24 12:52	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			11/11/24 12:52	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			11/11/24 12:52	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			11/11/24 12:52	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			11/11/24 12:52	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			11/11/24 12:52	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			11/11/24 12:52	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/11/24 12:52	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			11/11/24 12:52	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 12:52	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			11/11/24 12:52	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			11/11/24 12:52	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			11/11/24 12:52	1
Naphthalene	<0.44		1.0	0.44	ug/L			11/11/24 12:52	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			11/11/24 12:52	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			11/11/24 12:52	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			11/11/24 12:52	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 12:52	1
Styrene	<0.31		1.0	0.31	ug/L			11/11/24 12:52	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 12:52	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			11/11/24 12:52	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			11/11/24 12:52	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			11/11/24 12:52	1
Toluene	<0.21		0.50	0.21	ug/L			11/11/24 12:52	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			11/11/24 12:52	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			11/11/24 12:52	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2252 Edgewater

Job ID: 500-259483-2

Client Sample ID: 2252 Edgewater Dr

Lab Sample ID: 500-259483-2

Date Collected: 10/31/24 07:35

Matrix: Water

Date Received: 11/02/24 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			11/11/24 12:52	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			11/11/24 12:52	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			11/11/24 12:52	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			11/11/24 12:52	1
Trichloroethene	<0.15		0.50	0.15	ug/L			11/11/24 12:52	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			11/11/24 12:52	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			11/11/24 12:52	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			11/11/24 12:52	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 12:52	1
Vinyl chloride	0.37 J		1.0	0.20	ug/L			11/11/24 12:52	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			11/11/24 12:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		72 - 124		11/11/24 12:52	1
Dibromofluoromethane (Surr)	97		75 - 120		11/11/24 12:52	1
1,2-Dichloroethane-d4 (Surr)	110		75 - 126		11/11/24 12:52	1
Toluene-d8 (Surr)	105		75 - 120		11/11/24 12:52	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2252 Edgewater

Job ID: 500-259483-2

Client Sample ID: Trip Blank

Lab Sample ID: 500-259483-5

Date Collected: 10/31/24 00:00

Matrix: Water

Date Received: 11/02/24 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			11/11/24 15:24	1
Bromobenzene	<0.60		1.0	0.60	ug/L			11/11/24 15:24	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			11/11/24 15:24	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			11/11/24 15:24	1
Bromoform	<0.96		1.0	0.96	ug/L			11/11/24 15:24	1
Bromomethane	<1.8		3.0	1.8	ug/L			11/11/24 15:24	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			11/11/24 15:24	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 15:24	1
Chloroethane	<0.47		5.0	0.47	ug/L			11/11/24 15:24	1
Chloroform	<0.92		2.0	0.92	ug/L			11/11/24 15:24	1
Chloromethane	<0.79		5.0	0.79	ug/L			11/11/24 15:24	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			11/11/24 15:24	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			11/11/24 15:24	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			11/11/24 15:24	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			11/11/24 15:24	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			11/11/24 15:24	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			11/11/24 15:24	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			11/11/24 15:24	1
Dibromomethane	<0.58		1.0	0.58	ug/L			11/11/24 15:24	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			11/11/24 15:24	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 15:24	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			11/11/24 15:24	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			11/11/24 15:24	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			11/11/24 15:24	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			11/11/24 15:24	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			11/11/24 15:24	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			11/11/24 15:24	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			11/11/24 15:24	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			11/11/24 15:24	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			11/11/24 15:24	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/11/24 15:24	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			11/11/24 15:24	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 15:24	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			11/11/24 15:24	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			11/11/24 15:24	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			11/11/24 15:24	1
Naphthalene	<0.44		1.0	0.44	ug/L			11/11/24 15:24	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			11/11/24 15:24	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			11/11/24 15:24	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			11/11/24 15:24	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 15:24	1
Styrene	<0.31		1.0	0.31	ug/L			11/11/24 15:24	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 15:24	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			11/11/24 15:24	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			11/11/24 15:24	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			11/11/24 15:24	1
Toluene	<0.21		0.50	0.21	ug/L			11/11/24 15:24	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			11/11/24 15:24	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			11/11/24 15:24	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2252 Edgewater

Job ID: 500-259483-2

Client Sample ID: Trip Blank

Lab Sample ID: 500-259483-5

Date Collected: 10/31/24 00:00

Matrix: Water

Date Received: 11/02/24 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			11/11/24 15:24	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			11/11/24 15:24	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			11/11/24 15:24	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			11/11/24 15:24	1
Trichloroethene	<0.15		0.50	0.15	ug/L			11/11/24 15:24	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			11/11/24 15:24	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			11/11/24 15:24	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			11/11/24 15:24	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 15:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/11/24 15:24	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			11/11/24 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		72 - 124		11/11/24 15:24	1
Dibromofluoromethane (Surr)	97		75 - 120		11/11/24 15:24	1
1,2-Dichloroethane-d4 (Surr)	110		75 - 126		11/11/24 15:24	1
Toluene-d8 (Surr)	104		75 - 120		11/11/24 15:24	1

Definitions/Glossary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2252 Edgewater

Job ID: 500-259483-2

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2252 Edgewater

Job ID: 500-259483-2

GC/MS VOA

Analysis Batch: 794711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259483-2	2252 Edgewater Dr	Total/NA	Water	8260D	
500-259483-5	Trip Blank	Total/NA	Water	8260D	
MB 500-794711/8	Method Blank	Total/NA	Water	8260D	
LCS 500-794711/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-794711/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Surrogate Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2252 Edgewater

Job ID: 500-259483-2

Method: 8260D - Volatile Organic Compounds by GC/MS
Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	BFB	DBFM	DCA	TOL
		(72-124)	(75-120)	(75-126)	(75-120)
500-259483-2	2252 Edgewater Dr	110	97	110	105
500-259483-5	Trip Blank	110	97	110	104
LCS 500-794711/4	Lab Control Sample	107	98	111	103
LCSD 500-794711/5	Lab Control Sample Dup	108	97	108	104
MB 500-794711/8	Method Blank	108	97	111	104

Surrogate Legend

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

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2252 Edgewater

Job ID: 500-259483-2

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-794711/8

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			11/11/24 12:05	1
Bromobenzene	<0.60		1.0	0.60	ug/L			11/11/24 12:05	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			11/11/24 12:05	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			11/11/24 12:05	1
Bromoform	<0.96		1.0	0.96	ug/L			11/11/24 12:05	1
Bromomethane	<1.8		3.0	1.8	ug/L			11/11/24 12:05	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			11/11/24 12:05	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 12:05	1
Chloroethane	<0.47		5.0	0.47	ug/L			11/11/24 12:05	1
Chloroform	<0.92		2.0	0.92	ug/L			11/11/24 12:05	1
Chloromethane	<0.79		5.0	0.79	ug/L			11/11/24 12:05	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			11/11/24 12:05	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			11/11/24 12:05	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			11/11/24 12:05	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			11/11/24 12:05	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			11/11/24 12:05	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			11/11/24 12:05	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			11/11/24 12:05	1
Dibromomethane	<0.58		1.0	0.58	ug/L			11/11/24 12:05	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			11/11/24 12:05	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 12:05	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			11/11/24 12:05	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			11/11/24 12:05	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			11/11/24 12:05	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			11/11/24 12:05	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			11/11/24 12:05	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			11/11/24 12:05	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			11/11/24 12:05	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			11/11/24 12:05	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			11/11/24 12:05	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/11/24 12:05	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			11/11/24 12:05	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 12:05	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			11/11/24 12:05	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			11/11/24 12:05	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			11/11/24 12:05	1
Naphthalene	<0.44		1.0	0.44	ug/L			11/11/24 12:05	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			11/11/24 12:05	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			11/11/24 12:05	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			11/11/24 12:05	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 12:05	1
Styrene	<0.31		1.0	0.31	ug/L			11/11/24 12:05	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 12:05	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			11/11/24 12:05	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			11/11/24 12:05	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			11/11/24 12:05	1
Toluene	<0.21		0.50	0.21	ug/L			11/11/24 12:05	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			11/11/24 12:05	1

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2252 Edgewater

Job ID: 500-259483-2

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

Lab Sample ID: MB 500-794711/8

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			11/11/24 12:05	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			11/11/24 12:05	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			11/11/24 12:05	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			11/11/24 12:05	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			11/11/24 12:05	1
Trichloroethene	<0.15		0.50	0.15	ug/L			11/11/24 12:05	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			11/11/24 12:05	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			11/11/24 12:05	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			11/11/24 12:05	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 12:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/11/24 12:05	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			11/11/24 12:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		72 - 124		11/11/24 12:05	1
Dibromofluoromethane (Surr)	97		75 - 120		11/11/24 12:05	1
1,2-Dichloroethane-d4 (Surr)	111		75 - 126		11/11/24 12:05	1
Toluene-d8 (Surr)	104		75 - 120		11/11/24 12:05	1

Lab Sample ID: LCS 500-794711/4

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	49.7		ug/L		99	70 - 120
Bromobenzene	50.0	48.1		ug/L		96	70 - 122
Bromochloromethane	50.0	47.3		ug/L		95	65 - 122
Bromodichloromethane	50.0	48.6		ug/L		97	69 - 120
Bromoform	50.0	46.3		ug/L		93	56 - 132
Bromomethane	50.0	59.3		ug/L		119	40 - 152
Carbon tetrachloride	50.0	50.9		ug/L		102	59 - 133
Chlorobenzene	50.0	47.1		ug/L		94	70 - 120
Chloroethane	50.0	52.6		ug/L		105	48 - 136
Chloroform	50.0	48.6		ug/L		97	70 - 120
Chloromethane	50.0	48.5		ug/L		97	56 - 152
2-Chlorotoluene	50.0	50.2		ug/L		100	70 - 125
4-Chlorotoluene	50.0	49.9		ug/L		100	68 - 124
cis-1,2-Dichloroethene	50.0	49.2		ug/L		98	70 - 125
cis-1,3-Dichloropropene	50.0	50.8		ug/L		102	64 - 127
Dibromochloromethane	50.0	49.3		ug/L		99	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	49.6		ug/L		99	56 - 123
1,2-Dibromoethane (EDB)	50.0	49.7		ug/L		99	70 - 125
Dibromomethane	50.0	47.5		ug/L		95	70 - 120
1,2-Dichlorobenzene	50.0	45.9		ug/L		92	70 - 125
1,3-Dichlorobenzene	50.0	45.1		ug/L		90	70 - 125
1,4-Dichlorobenzene	50.0	45.1		ug/L		90	70 - 120
Dichlorodifluoromethane	50.0	56.9		ug/L		114	40 - 159
1,1-Dichloroethane	50.0	54.8		ug/L		110	70 - 125

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2252 Edgewater

Job ID: 500-259483-2

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

Lab Sample ID: LCS 500-794711/4

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	53.6		ug/L		107	68 - 127
1,1-Dichloroethene	50.0	50.5		ug/L		101	67 - 122
1,2-Dichloropropane	50.0	52.7		ug/L		105	67 - 130
1,3-Dichloropropane	50.0	51.0		ug/L		102	62 - 136
2,2-Dichloropropane	50.0	54.8		ug/L		110	58 - 139
1,1-Dichloropropene	50.0	53.0		ug/L		106	70 - 121
Ethylbenzene	50.0	50.6		ug/L		101	70 - 123
Hexachlorobutadiene	50.0	49.3		ug/L		99	51 - 150
Isopropylbenzene	50.0	50.4		ug/L		101	70 - 126
Methylene Chloride	50.0	52.6		ug/L		105	69 - 125
Methyl tert-butyl ether	50.0	51.3		ug/L		103	55 - 123
Naphthalene	50.0	45.9		ug/L		92	53 - 144
n-Butylbenzene	50.0	49.5		ug/L		99	68 - 125
N-Propylbenzene	50.0	49.6		ug/L		99	69 - 127
4-Isopropyltoluene	50.0	47.6		ug/L		95	70 - 125
sec-Butylbenzene	50.0	48.8		ug/L		98	70 - 123
Styrene	50.0	50.5		ug/L		101	70 - 120
tert-Butylbenzene	50.0	46.9		ug/L		94	70 - 121
1,1,1,2-Tetrachloroethane	50.0	46.9		ug/L		94	70 - 125
1,1,2,2-Tetrachloroethane	50.0	52.5		ug/L		105	62 - 140
Tetrachloroethene	50.0	47.0		ug/L		94	70 - 128
Toluene	50.0	50.2		ug/L		100	70 - 125
trans-1,2-Dichloroethene	50.0	50.3		ug/L		101	70 - 125
trans-1,3-Dichloropropene	50.0	51.2		ug/L		102	62 - 128
1,2,3-Trichlorobenzene	50.0	42.5		ug/L		85	51 - 145
1,2,4-Trichlorobenzene	50.0	43.7		ug/L		87	57 - 137
1,1,1-Trichloroethane	50.0	51.4		ug/L		103	70 - 125
1,1,2-Trichloroethane	50.0	50.2		ug/L		100	71 - 130
Trichloroethene	50.0	47.3		ug/L		95	70 - 125
Trichlorofluoromethane	50.0	52.2		ug/L		104	55 - 128
1,2,3-Trichloropropane	50.0	51.8		ug/L		104	50 - 133
1,2,4-Trimethylbenzene	50.0	49.9		ug/L		100	70 - 123
1,3,5-Trimethylbenzene	50.0	50.0		ug/L		100	70 - 123
Vinyl chloride	50.0	52.6		ug/L		105	64 - 126
Xylenes, Total	100	99.5		ug/L		99	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		72 - 124
Dibromofluoromethane (Surr)	98		75 - 120
1,2-Dichloroethane-d4 (Surr)	111		75 - 126
Toluene-d8 (Surr)	103		75 - 120

Lab Sample ID: LCSD 500-794711/5

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	50.0	49.7		ug/L		99	70 - 120	0	20

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2252 Edgewater

Job ID: 500-259483-2

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

Lab Sample ID: LCSD 500-794711/5

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromobenzene	50.0	48.7		ug/L		97	70 - 122	1	20
Bromochloromethane	50.0	46.6		ug/L		93	65 - 122	1	20
Bromodichloromethane	50.0	48.0		ug/L		96	69 - 120	1	20
Bromoform	50.0	47.0		ug/L		94	56 - 132	1	20
Bromomethane	50.0	60.1		ug/L		120	40 - 152	1	20
Carbon tetrachloride	50.0	50.2		ug/L		100	59 - 133	1	20
Chlorobenzene	50.0	46.8		ug/L		94	70 - 120	1	20
Chloroethane	50.0	50.9		ug/L		102	48 - 136	3	20
Chloroform	50.0	48.1		ug/L		96	70 - 120	1	20
Chloromethane	50.0	48.0		ug/L		96	56 - 152	1	20
2-Chlorotoluene	50.0	50.1		ug/L		100	70 - 125	0	20
4-Chlorotoluene	50.0	50.5		ug/L		101	68 - 124	1	20
cis-1,2-Dichloroethene	50.0	47.8		ug/L		96	70 - 125	3	20
cis-1,3-Dichloropropene	50.0	51.0		ug/L		102	64 - 127	0	20
Dibromochloromethane	50.0	49.4		ug/L		99	68 - 125	0	20
1,2-Dibromo-3-Chloropropane	50.0	52.7		ug/L		105	56 - 123	6	20
1,2-Dibromoethane (EDB)	50.0	49.7		ug/L		99	70 - 125	0	20
Dibromomethane	50.0	47.9		ug/L		96	70 - 120	1	20
1,2-Dichlorobenzene	50.0	46.6		ug/L		93	70 - 125	1	20
1,3-Dichlorobenzene	50.0	45.7		ug/L		91	70 - 125	1	20
1,4-Dichlorobenzene	50.0	45.7		ug/L		91	70 - 120	2	20
Dichlorodifluoromethane	50.0	55.0		ug/L		110	40 - 159	3	20
1,1-Dichloroethane	50.0	53.9		ug/L		108	70 - 125	2	20
1,2-Dichloroethane	50.0	53.3		ug/L		107	68 - 127	1	20
1,1-Dichloroethene	50.0	50.4		ug/L		101	67 - 122	0	20
1,2-Dichloropropane	50.0	51.6		ug/L		103	67 - 130	2	20
1,3-Dichloropropane	50.0	51.1		ug/L		102	62 - 136	0	20
2,2-Dichloropropane	50.0	54.5		ug/L		109	58 - 139	1	20
1,1-Dichloropropene	50.0	51.8		ug/L		104	70 - 121	2	20
Ethylbenzene	50.0	50.4		ug/L		101	70 - 123	0	20
Hexachlorobutadiene	50.0	49.7		ug/L		99	51 - 150	1	20
Isopropylbenzene	50.0	51.2		ug/L		102	70 - 126	2	20
Methylene Chloride	50.0	51.3		ug/L		103	69 - 125	2	20
Methyl tert-butyl ether	50.0	50.7		ug/L		101	55 - 123	1	20
Naphthalene	50.0	49.0		ug/L		98	53 - 144	6	20
n-Butylbenzene	50.0	49.5		ug/L		99	68 - 125	0	20
N-Propylbenzene	50.0	49.8		ug/L		100	69 - 127	0	20
4-Isopropyltoluene	50.0	47.7		ug/L		95	70 - 125	0	20
sec-Butylbenzene	50.0	48.9		ug/L		98	70 - 123	0	20
Styrene	50.0	49.9		ug/L		100	70 - 120	1	20
tert-Butylbenzene	50.0	47.6		ug/L		95	70 - 121	1	20
1,1,1,2-Tetrachloroethane	50.0	46.4		ug/L		93	70 - 125	1	20
1,1,1,2,2-Tetrachloroethane	50.0	54.0		ug/L		108	62 - 140	3	20
Tetrachloroethene	50.0	46.4		ug/L		93	70 - 128	1	20
Toluene	50.0	49.3		ug/L		99	70 - 125	2	20
trans-1,2-Dichloroethene	50.0	49.0		ug/L		98	70 - 125	3	20
trans-1,3-Dichloropropene	50.0	50.9		ug/L		102	62 - 128	1	20
1,2,3-Trichlorobenzene	50.0	44.8		ug/L		90	51 - 145	5	20
1,2,4-Trichlorobenzene	50.0	45.2		ug/L		90	57 - 137	3	20

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2252 Edgewater

Job ID: 500-259483-2

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

Lab Sample ID: LCSD 500-794711/5

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	50.0	50.5		ug/L		101	70 - 125	2	20
1,1,2-Trichloroethane	50.0	50.2		ug/L		100	71 - 130	0	20
Trichloroethene	50.0	46.7		ug/L		93	70 - 125	1	20
Trichlorofluoromethane	50.0	51.2		ug/L		102	55 - 128	2	20
1,2,3-Trichloropropane	50.0	54.3		ug/L		109	50 - 133	5	20
1,2,4-Trimethylbenzene	50.0	50.3		ug/L		101	70 - 123	1	20
1,3,5-Trimethylbenzene	50.0	50.1		ug/L		100	70 - 123	0	20
Vinyl chloride	50.0	53.1		ug/L		106	64 - 126	1	20
Xylenes, Total	100	97.9		ug/L		98	70 - 125	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	108		72 - 124
Dibromofluoromethane (Surr)	97		75 - 120
1,2-Dichloroethane-d4 (Surr)	108		75 - 126
Toluene-d8 (Surr)	104		75 - 120

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2252 Edgewater

Job ID: 500-259483-2

Client Sample ID: 2252 Edgewater Dr
Date Collected: 10/31/24 07:35
Date Received: 11/02/24 09:30

Lab Sample ID: 500-259483-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	794711	W1T	EET CHI	11/11/24 12:52

Client Sample ID: Trip Blank
Date Collected: 10/31/24 00:00
Date Received: 11/02/24 09:30

Lab Sample ID: 500-259483-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	794711	W1T	EET CHI	11/11/24 15:24

Laboratory References:
EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 2252 Edgewater

Job ID: 500-259483-2

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-25

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2417 Bond Street
University Park, IL 60484
Phone 708 534 5200 Fax 708-534-5211

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2

Phone 708-534-5200 Fax 708-534-5211

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11/12/2024

Ver: 10/10/2024

UNITED STATES
STANTEC CONSULTING CORP
12080 CORPORATE PARKWAY
SUITE 200
MEQUON, WI 53092
UNITED STATES US

ACTIVITY IS ON LEAD TIME
CAD: 0780307/CAFEJ855

Part # 159469-434 NTW EXP 02/25

TO **SAMPLE RECEIPT**
EUROFINS CHICAGO
2417 BOND ST.

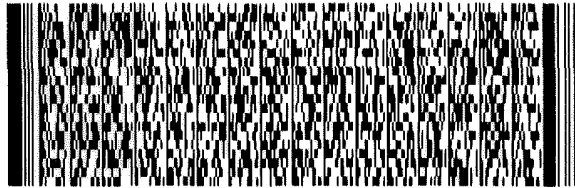
UNIVERSITY PARK IL 60484

(700) 634-6200
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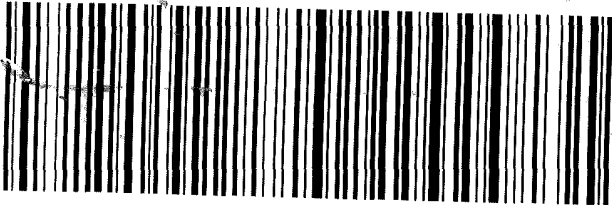
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DELIVERY MON - SAT
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813214 01Nov2024 NKEA 581G6/2D2B/5FE5

Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 500-259483-2

Login Number: 259483

List Source: Eurofins Chicago

List Number: 1

Creator: Yarbrough-Foster, Dahjane

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-1.9
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ANALYTICAL REPORT

PREPARED FOR

Attn: Chris Hatfield
Stantec Consulting Corporation
12080 Corporate Parkway, Suite 200
Mequon, Wisconsin 53092

Generated 11/12/2024 3:46:12 PM

JOB DESCRIPTION

Denow Landfill - 193704196 246 Edgewater

JOB NUMBER

500-259483-3

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = $3.33 \times \text{LOD}$ as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



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Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Case Narrative

Client: Stantec Consulting Corporation
Project: Denow Landfill - 193704196 246 Edgewater

Job ID: 500-259483-3

Job ID: 500-259483-3

Eurofins Chicago

Job Narrative 500-259483-3

Receipt

The samples were received on 11/2/2024 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -1.9° C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 500-794711 was outside the method criteria for the following analyte(s): 1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

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Detection Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 246 Edgewater

Job ID: 500-259483-3

Client Sample ID: 2246 Edgewater Dr

Lab Sample ID: 500-259483-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.40	J	1.0	0.20	ug/L	1		8260D	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-259483-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 246 Edgewater

Job ID: 500-259483-3

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 246 Edgewater

Job ID: 500-259483-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-259483-3	2246 Edgewater Dr	Water	10/31/24 17:00	11/02/24 09:30
500-259483-5	Trip Blank	Water	10/31/24 00:00	11/02/24 09:30

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 246 Edgewater

Job ID: 500-259483-3

Client Sample ID: 2246 Edgewater Dr

Lab Sample ID: 500-259483-3

Date Collected: 10/31/24 17:00

Matrix: Water

Date Received: 11/02/24 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			11/11/24 14:37	1
Bromobenzene	<0.60		1.0	0.60	ug/L			11/11/24 14:37	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			11/11/24 14:37	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			11/11/24 14:37	1
Bromoform	<0.96		1.0	0.96	ug/L			11/11/24 14:37	1
Bromomethane	<1.8		3.0	1.8	ug/L			11/11/24 14:37	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			11/11/24 14:37	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 14:37	1
Chloroethane	<0.47		5.0	0.47	ug/L			11/11/24 14:37	1
Chloroform	<0.92		2.0	0.92	ug/L			11/11/24 14:37	1
Chloromethane	<0.79		5.0	0.79	ug/L			11/11/24 14:37	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			11/11/24 14:37	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			11/11/24 14:37	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			11/11/24 14:37	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			11/11/24 14:37	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			11/11/24 14:37	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			11/11/24 14:37	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			11/11/24 14:37	1
Dibromomethane	<0.58		1.0	0.58	ug/L			11/11/24 14:37	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			11/11/24 14:37	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 14:37	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			11/11/24 14:37	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			11/11/24 14:37	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			11/11/24 14:37	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			11/11/24 14:37	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			11/11/24 14:37	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			11/11/24 14:37	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			11/11/24 14:37	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			11/11/24 14:37	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			11/11/24 14:37	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/11/24 14:37	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			11/11/24 14:37	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 14:37	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			11/11/24 14:37	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			11/11/24 14:37	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			11/11/24 14:37	1
Naphthalene	<0.44		1.0	0.44	ug/L			11/11/24 14:37	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			11/11/24 14:37	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			11/11/24 14:37	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			11/11/24 14:37	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 14:37	1
Styrene	<0.31		1.0	0.31	ug/L			11/11/24 14:37	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 14:37	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			11/11/24 14:37	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			11/11/24 14:37	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			11/11/24 14:37	1
Toluene	<0.21		0.50	0.21	ug/L			11/11/24 14:37	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			11/11/24 14:37	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			11/11/24 14:37	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 246 Edgewater

Job ID: 500-259483-3

Client Sample ID: 2246 Edgewater Dr

Lab Sample ID: 500-259483-3

Date Collected: 10/31/24 17:00

Matrix: Water

Date Received: 11/02/24 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			11/11/24 14:37	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			11/11/24 14:37	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			11/11/24 14:37	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			11/11/24 14:37	1
Trichloroethene	<0.15		0.50	0.15	ug/L			11/11/24 14:37	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			11/11/24 14:37	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			11/11/24 14:37	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			11/11/24 14:37	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 14:37	1
Vinyl chloride	0.40	J	1.0	0.20	ug/L			11/11/24 14:37	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			11/11/24 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		72 - 124		11/11/24 14:37	1
Dibromofluoromethane (Surr)	99		75 - 120		11/11/24 14:37	1
1,2-Dichloroethane-d4 (Surr)	111		75 - 126		11/11/24 14:37	1
Toluene-d8 (Surr)	104		75 - 120		11/11/24 14:37	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 246 Edgewater

Job ID: 500-259483-3

Client Sample ID: Trip Blank

Lab Sample ID: 500-259483-5

Date Collected: 10/31/24 00:00

Matrix: Water

Date Received: 11/02/24 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			11/11/24 15:24	1
Bromobenzene	<0.60		1.0	0.60	ug/L			11/11/24 15:24	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			11/11/24 15:24	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			11/11/24 15:24	1
Bromoform	<0.96		1.0	0.96	ug/L			11/11/24 15:24	1
Bromomethane	<1.8		3.0	1.8	ug/L			11/11/24 15:24	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			11/11/24 15:24	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 15:24	1
Chloroethane	<0.47		5.0	0.47	ug/L			11/11/24 15:24	1
Chloroform	<0.92		2.0	0.92	ug/L			11/11/24 15:24	1
Chloromethane	<0.79		5.0	0.79	ug/L			11/11/24 15:24	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			11/11/24 15:24	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			11/11/24 15:24	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			11/11/24 15:24	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			11/11/24 15:24	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			11/11/24 15:24	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			11/11/24 15:24	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			11/11/24 15:24	1
Dibromomethane	<0.58		1.0	0.58	ug/L			11/11/24 15:24	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			11/11/24 15:24	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 15:24	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			11/11/24 15:24	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			11/11/24 15:24	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			11/11/24 15:24	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			11/11/24 15:24	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			11/11/24 15:24	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			11/11/24 15:24	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			11/11/24 15:24	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			11/11/24 15:24	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			11/11/24 15:24	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/11/24 15:24	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			11/11/24 15:24	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 15:24	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			11/11/24 15:24	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			11/11/24 15:24	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			11/11/24 15:24	1
Naphthalene	<0.44		1.0	0.44	ug/L			11/11/24 15:24	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			11/11/24 15:24	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			11/11/24 15:24	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			11/11/24 15:24	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 15:24	1
Styrene	<0.31		1.0	0.31	ug/L			11/11/24 15:24	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 15:24	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			11/11/24 15:24	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			11/11/24 15:24	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			11/11/24 15:24	1
Toluene	<0.21		0.50	0.21	ug/L			11/11/24 15:24	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			11/11/24 15:24	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			11/11/24 15:24	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 246 Edgewater

Job ID: 500-259483-3

Client Sample ID: Trip Blank

Lab Sample ID: 500-259483-5

Date Collected: 10/31/24 00:00

Matrix: Water

Date Received: 11/02/24 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			11/11/24 15:24	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			11/11/24 15:24	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			11/11/24 15:24	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			11/11/24 15:24	1
Trichloroethene	<0.15		0.50	0.15	ug/L			11/11/24 15:24	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			11/11/24 15:24	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			11/11/24 15:24	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			11/11/24 15:24	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 15:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/11/24 15:24	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			11/11/24 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		72 - 124		11/11/24 15:24	1
Dibromofluoromethane (Surr)	97		75 - 120		11/11/24 15:24	1
1,2-Dichloroethane-d4 (Surr)	110		75 - 126		11/11/24 15:24	1
Toluene-d8 (Surr)	104		75 - 120		11/11/24 15:24	1

Definitions/Glossary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 246 Edgewater

Job ID: 500-259483-3

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 246 Edgewater

Job ID: 500-259483-3

GC/MS VOA

Analysis Batch: 794711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259483-3	2246 Edgewater Dr	Total/NA	Water	8260D	
500-259483-5	Trip Blank	Total/NA	Water	8260D	
MB 500-794711/8	Method Blank	Total/NA	Water	8260D	
LCS 500-794711/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-794711/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Surrogate Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 246 Edgewater

Job ID: 500-259483-3

Method: 8260D - Volatile Organic Compounds by GC/MS
Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	BFB	DBFM	DCA	TOL
		(72-124)	(75-120)	(75-126)	(75-120)
500-259483-3	2246 Edgewater Dr	109	99	111	104
500-259483-5	Trip Blank	110	97	110	104
LCS 500-794711/4	Lab Control Sample	107	98	111	103
LCSD 500-794711/5	Lab Control Sample Dup	108	97	108	104
MB 500-794711/8	Method Blank	108	97	111	104

Surrogate Legend

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

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 246 Edgewater

Job ID: 500-259483-3

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-794711/8

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			11/11/24 12:05	1
Bromobenzene	<0.60		1.0	0.60	ug/L			11/11/24 12:05	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			11/11/24 12:05	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			11/11/24 12:05	1
Bromoform	<0.96		1.0	0.96	ug/L			11/11/24 12:05	1
Bromomethane	<1.8		3.0	1.8	ug/L			11/11/24 12:05	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			11/11/24 12:05	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 12:05	1
Chloroethane	<0.47		5.0	0.47	ug/L			11/11/24 12:05	1
Chloroform	<0.92		2.0	0.92	ug/L			11/11/24 12:05	1
Chloromethane	<0.79		5.0	0.79	ug/L			11/11/24 12:05	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			11/11/24 12:05	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			11/11/24 12:05	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			11/11/24 12:05	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			11/11/24 12:05	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			11/11/24 12:05	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			11/11/24 12:05	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			11/11/24 12:05	1
Dibromomethane	<0.58		1.0	0.58	ug/L			11/11/24 12:05	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			11/11/24 12:05	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 12:05	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			11/11/24 12:05	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			11/11/24 12:05	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			11/11/24 12:05	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			11/11/24 12:05	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			11/11/24 12:05	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			11/11/24 12:05	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			11/11/24 12:05	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			11/11/24 12:05	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			11/11/24 12:05	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/11/24 12:05	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			11/11/24 12:05	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 12:05	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			11/11/24 12:05	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			11/11/24 12:05	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			11/11/24 12:05	1
Naphthalene	<0.44		1.0	0.44	ug/L			11/11/24 12:05	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			11/11/24 12:05	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			11/11/24 12:05	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			11/11/24 12:05	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 12:05	1
Styrene	<0.31		1.0	0.31	ug/L			11/11/24 12:05	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 12:05	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			11/11/24 12:05	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			11/11/24 12:05	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			11/11/24 12:05	1
Toluene	<0.21		0.50	0.21	ug/L			11/11/24 12:05	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			11/11/24 12:05	1

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 246 Edgewater

Job ID: 500-259483-3

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

Lab Sample ID: MB 500-794711/8

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			11/11/24 12:05	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			11/11/24 12:05	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			11/11/24 12:05	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			11/11/24 12:05	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			11/11/24 12:05	1
Trichloroethene	<0.15		0.50	0.15	ug/L			11/11/24 12:05	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			11/11/24 12:05	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			11/11/24 12:05	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			11/11/24 12:05	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 12:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/11/24 12:05	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			11/11/24 12:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		72 - 124		11/11/24 12:05	1
Dibromofluoromethane (Surr)	97		75 - 120		11/11/24 12:05	1
1,2-Dichloroethane-d4 (Surr)	111		75 - 126		11/11/24 12:05	1
Toluene-d8 (Surr)	104		75 - 120		11/11/24 12:05	1

Lab Sample ID: LCS 500-794711/4

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	49.7		ug/L		99	70 - 120
Bromobenzene	50.0	48.1		ug/L		96	70 - 122
Bromochloromethane	50.0	47.3		ug/L		95	65 - 122
Bromodichloromethane	50.0	48.6		ug/L		97	69 - 120
Bromoform	50.0	46.3		ug/L		93	56 - 132
Bromomethane	50.0	59.3		ug/L		119	40 - 152
Carbon tetrachloride	50.0	50.9		ug/L		102	59 - 133
Chlorobenzene	50.0	47.1		ug/L		94	70 - 120
Chloroethane	50.0	52.6		ug/L		105	48 - 136
Chloroform	50.0	48.6		ug/L		97	70 - 120
Chloromethane	50.0	48.5		ug/L		97	56 - 152
2-Chlorotoluene	50.0	50.2		ug/L		100	70 - 125
4-Chlorotoluene	50.0	49.9		ug/L		100	68 - 124
cis-1,2-Dichloroethene	50.0	49.2		ug/L		98	70 - 125
cis-1,3-Dichloropropene	50.0	50.8		ug/L		102	64 - 127
Dibromochloromethane	50.0	49.3		ug/L		99	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	49.6		ug/L		99	56 - 123
1,2-Dibromoethane (EDB)	50.0	49.7		ug/L		99	70 - 125
Dibromomethane	50.0	47.5		ug/L		95	70 - 120
1,2-Dichlorobenzene	50.0	45.9		ug/L		92	70 - 125
1,3-Dichlorobenzene	50.0	45.1		ug/L		90	70 - 125
1,4-Dichlorobenzene	50.0	45.1		ug/L		90	70 - 120
Dichlorodifluoromethane	50.0	56.9		ug/L		114	40 - 159
1,1-Dichloroethane	50.0	54.8		ug/L		110	70 - 125

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 246 Edgewater

Job ID: 500-259483-3

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

Lab Sample ID: LCS 500-794711/4

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	53.6		ug/L		107	68 - 127
1,1-Dichloroethene	50.0	50.5		ug/L		101	67 - 122
1,2-Dichloropropane	50.0	52.7		ug/L		105	67 - 130
1,3-Dichloropropane	50.0	51.0		ug/L		102	62 - 136
2,2-Dichloropropane	50.0	54.8		ug/L		110	58 - 139
1,1-Dichloropropene	50.0	53.0		ug/L		106	70 - 121
Ethylbenzene	50.0	50.6		ug/L		101	70 - 123
Hexachlorobutadiene	50.0	49.3		ug/L		99	51 - 150
Isopropylbenzene	50.0	50.4		ug/L		101	70 - 126
Methylene Chloride	50.0	52.6		ug/L		105	69 - 125
Methyl tert-butyl ether	50.0	51.3		ug/L		103	55 - 123
Naphthalene	50.0	45.9		ug/L		92	53 - 144
n-Butylbenzene	50.0	49.5		ug/L		99	68 - 125
N-Propylbenzene	50.0	49.6		ug/L		99	69 - 127
4-Isopropyltoluene	50.0	47.6		ug/L		95	70 - 125
sec-Butylbenzene	50.0	48.8		ug/L		98	70 - 123
Styrene	50.0	50.5		ug/L		101	70 - 120
tert-Butylbenzene	50.0	46.9		ug/L		94	70 - 121
1,1,1,2-Tetrachloroethane	50.0	46.9		ug/L		94	70 - 125
1,1,2,2-Tetrachloroethane	50.0	52.5		ug/L		105	62 - 140
Tetrachloroethene	50.0	47.0		ug/L		94	70 - 128
Toluene	50.0	50.2		ug/L		100	70 - 125
trans-1,2-Dichloroethene	50.0	50.3		ug/L		101	70 - 125
trans-1,3-Dichloropropene	50.0	51.2		ug/L		102	62 - 128
1,2,3-Trichlorobenzene	50.0	42.5		ug/L		85	51 - 145
1,2,4-Trichlorobenzene	50.0	43.7		ug/L		87	57 - 137
1,1,1-Trichloroethane	50.0	51.4		ug/L		103	70 - 125
1,1,2-Trichloroethane	50.0	50.2		ug/L		100	71 - 130
Trichloroethene	50.0	47.3		ug/L		95	70 - 125
Trichlorofluoromethane	50.0	52.2		ug/L		104	55 - 128
1,2,3-Trichloropropane	50.0	51.8		ug/L		104	50 - 133
1,2,4-Trimethylbenzene	50.0	49.9		ug/L		100	70 - 123
1,3,5-Trimethylbenzene	50.0	50.0		ug/L		100	70 - 123
Vinyl chloride	50.0	52.6		ug/L		105	64 - 126
Xylenes, Total	100	99.5		ug/L		99	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		72 - 124
Dibromofluoromethane (Surr)	98		75 - 120
1,2-Dichloroethane-d4 (Surr)	111		75 - 126
Toluene-d8 (Surr)	103		75 - 120

Lab Sample ID: LCSD 500-794711/5

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	50.0	49.7		ug/L		99	70 - 120	0	20

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 246 Edgewater

Job ID: 500-259483-3

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

Lab Sample ID: LCSD 500-794711/5

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromobenzene	50.0	48.7		ug/L		97	70 - 122	1	20
Bromochloromethane	50.0	46.6		ug/L		93	65 - 122	1	20
Bromodichloromethane	50.0	48.0		ug/L		96	69 - 120	1	20
Bromoform	50.0	47.0		ug/L		94	56 - 132	1	20
Bromomethane	50.0	60.1		ug/L		120	40 - 152	1	20
Carbon tetrachloride	50.0	50.2		ug/L		100	59 - 133	1	20
Chlorobenzene	50.0	46.8		ug/L		94	70 - 120	1	20
Chloroethane	50.0	50.9		ug/L		102	48 - 136	3	20
Chloroform	50.0	48.1		ug/L		96	70 - 120	1	20
Chloromethane	50.0	48.0		ug/L		96	56 - 152	1	20
2-Chlorotoluene	50.0	50.1		ug/L		100	70 - 125	0	20
4-Chlorotoluene	50.0	50.5		ug/L		101	68 - 124	1	20
cis-1,2-Dichloroethene	50.0	47.8		ug/L		96	70 - 125	3	20
cis-1,3-Dichloropropene	50.0	51.0		ug/L		102	64 - 127	0	20
Dibromochloromethane	50.0	49.4		ug/L		99	68 - 125	0	20
1,2-Dibromo-3-Chloropropane	50.0	52.7		ug/L		105	56 - 123	6	20
1,2-Dibromoethane (EDB)	50.0	49.7		ug/L		99	70 - 125	0	20
Dibromomethane	50.0	47.9		ug/L		96	70 - 120	1	20
1,2-Dichlorobenzene	50.0	46.6		ug/L		93	70 - 125	1	20
1,3-Dichlorobenzene	50.0	45.7		ug/L		91	70 - 125	1	20
1,4-Dichlorobenzene	50.0	45.7		ug/L		91	70 - 120	2	20
Dichlorodifluoromethane	50.0	55.0		ug/L		110	40 - 159	3	20
1,1-Dichloroethane	50.0	53.9		ug/L		108	70 - 125	2	20
1,2-Dichloroethane	50.0	53.3		ug/L		107	68 - 127	1	20
1,1-Dichloroethene	50.0	50.4		ug/L		101	67 - 122	0	20
1,2-Dichloropropane	50.0	51.6		ug/L		103	67 - 130	2	20
1,3-Dichloropropane	50.0	51.1		ug/L		102	62 - 136	0	20
2,2-Dichloropropane	50.0	54.5		ug/L		109	58 - 139	1	20
1,1-Dichloropropene	50.0	51.8		ug/L		104	70 - 121	2	20
Ethylbenzene	50.0	50.4		ug/L		101	70 - 123	0	20
Hexachlorobutadiene	50.0	49.7		ug/L		99	51 - 150	1	20
Isopropylbenzene	50.0	51.2		ug/L		102	70 - 126	2	20
Methylene Chloride	50.0	51.3		ug/L		103	69 - 125	2	20
Methyl tert-butyl ether	50.0	50.7		ug/L		101	55 - 123	1	20
Naphthalene	50.0	49.0		ug/L		98	53 - 144	6	20
n-Butylbenzene	50.0	49.5		ug/L		99	68 - 125	0	20
N-Propylbenzene	50.0	49.8		ug/L		100	69 - 127	0	20
4-Isopropyltoluene	50.0	47.7		ug/L		95	70 - 125	0	20
sec-Butylbenzene	50.0	48.9		ug/L		98	70 - 123	0	20
Styrene	50.0	49.9		ug/L		100	70 - 120	1	20
tert-Butylbenzene	50.0	47.6		ug/L		95	70 - 121	1	20
1,1,1,2-Tetrachloroethane	50.0	46.4		ug/L		93	70 - 125	1	20
1,1,1,2,2-Tetrachloroethane	50.0	54.0		ug/L		108	62 - 140	3	20
Tetrachloroethene	50.0	46.4		ug/L		93	70 - 128	1	20
Toluene	50.0	49.3		ug/L		99	70 - 125	2	20
trans-1,2-Dichloroethene	50.0	49.0		ug/L		98	70 - 125	3	20
trans-1,3-Dichloropropene	50.0	50.9		ug/L		102	62 - 128	1	20
1,2,3-Trichlorobenzene	50.0	44.8		ug/L		90	51 - 145	5	20
1,2,4-Trichlorobenzene	50.0	45.2		ug/L		90	57 - 137	3	20

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 246 Edgewater

Job ID: 500-259483-3

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

Lab Sample ID: LCSD 500-794711/5

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	50.0	50.5		ug/L		101	70 - 125	2	20
1,1,2-Trichloroethane	50.0	50.2		ug/L		100	71 - 130	0	20
Trichloroethene	50.0	46.7		ug/L		93	70 - 125	1	20
Trichlorofluoromethane	50.0	51.2		ug/L		102	55 - 128	2	20
1,2,3-Trichloropropane	50.0	54.3		ug/L		109	50 - 133	5	20
1,2,4-Trimethylbenzene	50.0	50.3		ug/L		101	70 - 123	1	20
1,3,5-Trimethylbenzene	50.0	50.1		ug/L		100	70 - 123	0	20
Vinyl chloride	50.0	53.1		ug/L		106	64 - 126	1	20
Xylenes, Total	100	97.9		ug/L		98	70 - 125	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	108		72 - 124
Dibromofluoromethane (Surr)	97		75 - 120
1,2-Dichloroethane-d4 (Surr)	108		75 - 126
Toluene-d8 (Surr)	104		75 - 120

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 246 Edgewater

Job ID: 500-259483-3

Client Sample ID: 2246 Edgewater Dr
Date Collected: 10/31/24 17:00
Date Received: 11/02/24 09:30

Lab Sample ID: 500-259483-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	794711	W1T	EET CHI	11/11/24 14:37

Client Sample ID: Trip Blank
Date Collected: 10/31/24 00:00
Date Received: 11/02/24 09:30

Lab Sample ID: 500-259483-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	794711	W1T	EET CHI	11/11/24 15:24

Laboratory References:
EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 246 Edgewater

Job ID: 500-259483-3

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-25

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2

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University Park IL 60484
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UNITED STATES
STANTEC CONSULTING CORP
12080 CORPORATE PARKWAY
SUITE 200
MEQUON, WI 53092
UNITED STATES US

ACTIVITY IS ON LEAD TIME
CAD: 0780307/CAFEJ855

Part # 159469-434 NTW EXP 02/25

TO **SAMPLE RECEIPT**
EUROFINS CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484

(700) 634-6200
INV:
PO:

REF:

DEPT:

RMA

FedEx
Express



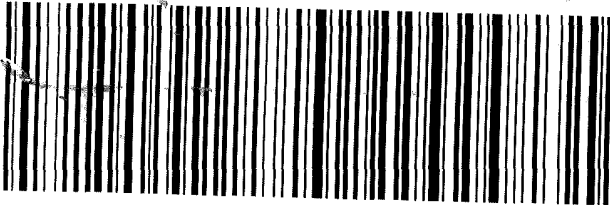
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TRK#
0221 4221 9521 8304

DELIVERY MON - SAT
SATURDAY 12:00P
PRIORITY OVERNIGHT

X0 JOTA 16QT

60484
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ORD



813214 01Nov2024 NKEA 581G6/2D2B/5FE5

Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 500-259483-3

Login Number: 259483

List Source: Eurofins Chicago

List Number: 1

Creator: Yarbrough-Foster, Dahjane

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-1.9
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ANALYTICAL REPORT

PREPARED FOR

Attn: Chris Hatfield
Stantec Consulting Corporation
12080 Corporate Parkway, Suite 200
Mequon, Wisconsin 53092

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JOB DESCRIPTION

Denow Landfill - 193704196 1945 Tamarack

JOB NUMBER

500-259483-4

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = $3.33 \times \text{LOD}$ as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



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Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Case Narrative

Client: Stantec Consulting Corporation
Project: Denow Landfill - 193704196 1945 Tamarack

Job ID: 500-259483-4

Job ID: 500-259483-4

Eurofins Chicago

Job Narrative 500-259483-4

Receipt

The samples were received on 11/2/2024 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -1.9° C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 500-794711 was outside the method criteria for the following analyte(s): 1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

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Detection Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 1945 Tamarack

Job ID: 500-259483-4

Client Sample ID: 1945 Tamarack Trail

Lab Sample ID: 500-259483-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	8.0		1.0	0.42	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	5.0		1.0	0.36	ug/L	1		8260D	Total/NA
Trichloroethene	2.5		0.50	0.15	ug/L	1		8260D	Total/NA
Vinyl chloride	0.87	J	1.0	0.20	ug/L	1		8260D	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-259483-5

No Detections.

This Detection Summary does not include radiochemical test results.

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Method Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 1945 Tamarack

Job ID: 500-259483-4

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 1945 Tamarack

Job ID: 500-259483-4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-259483-4	1945 Tamarack Trail	Water	10/28/24 16:00	11/02/24 09:30
500-259483-5	Trip Blank	Water	10/31/24 00:00	11/02/24 09:30

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- 14
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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 1945 Tamarack

Job ID: 500-259483-4

Client Sample ID: 1945 Tamarack Trail

Lab Sample ID: 500-259483-4

Date Collected: 10/28/24 16:00

Matrix: Water

Date Received: 11/02/24 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			11/11/24 15:00	1
Bromobenzene	<0.60		1.0	0.60	ug/L			11/11/24 15:00	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			11/11/24 15:00	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			11/11/24 15:00	1
Bromoform	<0.96		1.0	0.96	ug/L			11/11/24 15:00	1
Bromomethane	<1.8		3.0	1.8	ug/L			11/11/24 15:00	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			11/11/24 15:00	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 15:00	1
Chloroethane	<0.47		5.0	0.47	ug/L			11/11/24 15:00	1
Chloroform	<0.92		2.0	0.92	ug/L			11/11/24 15:00	1
Chloromethane	<0.79		5.0	0.79	ug/L			11/11/24 15:00	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			11/11/24 15:00	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			11/11/24 15:00	1
cis-1,2-Dichloroethene	8.0		1.0	0.42	ug/L			11/11/24 15:00	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			11/11/24 15:00	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			11/11/24 15:00	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			11/11/24 15:00	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			11/11/24 15:00	1
Dibromomethane	<0.58		1.0	0.58	ug/L			11/11/24 15:00	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			11/11/24 15:00	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 15:00	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			11/11/24 15:00	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			11/11/24 15:00	1
1,1-Dichloroethane	5.0		1.0	0.36	ug/L			11/11/24 15:00	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			11/11/24 15:00	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			11/11/24 15:00	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			11/11/24 15:00	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			11/11/24 15:00	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			11/11/24 15:00	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			11/11/24 15:00	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/11/24 15:00	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			11/11/24 15:00	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 15:00	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			11/11/24 15:00	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			11/11/24 15:00	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			11/11/24 15:00	1
Naphthalene	<0.44		1.0	0.44	ug/L			11/11/24 15:00	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			11/11/24 15:00	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			11/11/24 15:00	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			11/11/24 15:00	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 15:00	1
Styrene	<0.31		1.0	0.31	ug/L			11/11/24 15:00	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 15:00	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			11/11/24 15:00	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			11/11/24 15:00	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			11/11/24 15:00	1
Toluene	<0.21		0.50	0.21	ug/L			11/11/24 15:00	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			11/11/24 15:00	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			11/11/24 15:00	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 1945 Tamarack

Job ID: 500-259483-4

Client Sample ID: 1945 Tamarack Trail

Lab Sample ID: 500-259483-4

Date Collected: 10/28/24 16:00

Matrix: Water

Date Received: 11/02/24 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			11/11/24 15:00	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			11/11/24 15:00	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			11/11/24 15:00	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			11/11/24 15:00	1
Trichloroethene	2.5		0.50	0.15	ug/L			11/11/24 15:00	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			11/11/24 15:00	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			11/11/24 15:00	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			11/11/24 15:00	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 15:00	1
Vinyl chloride	0.87 J		1.0	0.20	ug/L			11/11/24 15:00	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			11/11/24 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		72 - 124		11/11/24 15:00	1
Dibromofluoromethane (Surr)	97		75 - 120		11/11/24 15:00	1
1,2-Dichloroethane-d4 (Surr)	110		75 - 126		11/11/24 15:00	1
Toluene-d8 (Surr)	104		75 - 120		11/11/24 15:00	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 1945 Tamarack

Job ID: 500-259483-4

Client Sample ID: Trip Blank

Lab Sample ID: 500-259483-5

Date Collected: 10/31/24 00:00

Matrix: Water

Date Received: 11/02/24 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			11/11/24 15:24	1
Bromobenzene	<0.60		1.0	0.60	ug/L			11/11/24 15:24	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			11/11/24 15:24	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			11/11/24 15:24	1
Bromoform	<0.96		1.0	0.96	ug/L			11/11/24 15:24	1
Bromomethane	<1.8		3.0	1.8	ug/L			11/11/24 15:24	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			11/11/24 15:24	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 15:24	1
Chloroethane	<0.47		5.0	0.47	ug/L			11/11/24 15:24	1
Chloroform	<0.92		2.0	0.92	ug/L			11/11/24 15:24	1
Chloromethane	<0.79		5.0	0.79	ug/L			11/11/24 15:24	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			11/11/24 15:24	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			11/11/24 15:24	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			11/11/24 15:24	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			11/11/24 15:24	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			11/11/24 15:24	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			11/11/24 15:24	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			11/11/24 15:24	1
Dibromomethane	<0.58		1.0	0.58	ug/L			11/11/24 15:24	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			11/11/24 15:24	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 15:24	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			11/11/24 15:24	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			11/11/24 15:24	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			11/11/24 15:24	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			11/11/24 15:24	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			11/11/24 15:24	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			11/11/24 15:24	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			11/11/24 15:24	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			11/11/24 15:24	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			11/11/24 15:24	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/11/24 15:24	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			11/11/24 15:24	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 15:24	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			11/11/24 15:24	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			11/11/24 15:24	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			11/11/24 15:24	1
Naphthalene	<0.44		1.0	0.44	ug/L			11/11/24 15:24	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			11/11/24 15:24	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			11/11/24 15:24	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			11/11/24 15:24	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 15:24	1
Styrene	<0.31		1.0	0.31	ug/L			11/11/24 15:24	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 15:24	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			11/11/24 15:24	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			11/11/24 15:24	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			11/11/24 15:24	1
Toluene	<0.21		0.50	0.21	ug/L			11/11/24 15:24	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			11/11/24 15:24	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			11/11/24 15:24	1

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Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 1945 Tamarack

Job ID: 500-259483-4

Client Sample ID: Trip Blank

Lab Sample ID: 500-259483-5

Date Collected: 10/31/24 00:00

Matrix: Water

Date Received: 11/02/24 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			11/11/24 15:24	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			11/11/24 15:24	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			11/11/24 15:24	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			11/11/24 15:24	1
Trichloroethene	<0.15		0.50	0.15	ug/L			11/11/24 15:24	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			11/11/24 15:24	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			11/11/24 15:24	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			11/11/24 15:24	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 15:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/11/24 15:24	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			11/11/24 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		72 - 124		11/11/24 15:24	1
Dibromofluoromethane (Surr)	97		75 - 120		11/11/24 15:24	1
1,2-Dichloroethane-d4 (Surr)	110		75 - 126		11/11/24 15:24	1
Toluene-d8 (Surr)	104		75 - 120		11/11/24 15:24	1

Definitions/Glossary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 1945 Tamarack

Job ID: 500-259483-4

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 1945 Tamarack

Job ID: 500-259483-4

GC/MS VOA

Analysis Batch: 794711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259483-4	1945 Tamarack Trail	Total/NA	Water	8260D	
500-259483-5	Trip Blank	Total/NA	Water	8260D	
MB 500-794711/8	Method Blank	Total/NA	Water	8260D	
LCS 500-794711/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-794711/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Surrogate Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 1945 Tamarack

Job ID: 500-259483-4

Method: 8260D - Volatile Organic Compounds by GC/MS
Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	BFB	DBFM	DCA	TOL
		(72-124)	(75-120)	(75-126)	(75-120)
500-259483-4	1945 Tamarack Trail	109	97	110	104
500-259483-5	Trip Blank	110	97	110	104
LCS 500-794711/4	Lab Control Sample	107	98	111	103
LCSD 500-794711/5	Lab Control Sample Dup	108	97	108	104
MB 500-794711/8	Method Blank	108	97	111	104

Surrogate Legend

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

1
2
3
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10
11
12
13
14
15

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 1945 Tamarack

Job ID: 500-259483-4

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-794711/8

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.18		0.50	0.18	ug/L			11/11/24 12:05	1
Bromobenzene	<0.60		1.0	0.60	ug/L			11/11/24 12:05	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			11/11/24 12:05	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			11/11/24 12:05	1
Bromoform	<0.96		1.0	0.96	ug/L			11/11/24 12:05	1
Bromomethane	<1.8		3.0	1.8	ug/L			11/11/24 12:05	1
Carbon tetrachloride	<0.42		1.0	0.42	ug/L			11/11/24 12:05	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 12:05	1
Chloroethane	<0.47		5.0	0.47	ug/L			11/11/24 12:05	1
Chloroform	<0.92		2.0	0.92	ug/L			11/11/24 12:05	1
Chloromethane	<0.79		5.0	0.79	ug/L			11/11/24 12:05	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			11/11/24 12:05	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			11/11/24 12:05	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			11/11/24 12:05	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			11/11/24 12:05	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			11/11/24 12:05	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			11/11/24 12:05	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			11/11/24 12:05	1
Dibromomethane	<0.58		1.0	0.58	ug/L			11/11/24 12:05	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			11/11/24 12:05	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			11/11/24 12:05	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			11/11/24 12:05	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			11/11/24 12:05	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			11/11/24 12:05	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			11/11/24 12:05	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			11/11/24 12:05	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			11/11/24 12:05	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			11/11/24 12:05	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			11/11/24 12:05	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			11/11/24 12:05	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/11/24 12:05	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			11/11/24 12:05	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 12:05	1
Isopropyl ether	<0.39		1.0	0.39	ug/L			11/11/24 12:05	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			11/11/24 12:05	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			11/11/24 12:05	1
Naphthalene	<0.44		1.0	0.44	ug/L			11/11/24 12:05	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			11/11/24 12:05	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			11/11/24 12:05	1
4-Isopropyltoluene	<0.29		1.0	0.29	ug/L			11/11/24 12:05	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 12:05	1
Styrene	<0.31		1.0	0.31	ug/L			11/11/24 12:05	1
tert-Butylbenzene	<0.27		1.0	0.27	ug/L			11/11/24 12:05	1
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			11/11/24 12:05	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			11/11/24 12:05	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			11/11/24 12:05	1
Toluene	<0.21		0.50	0.21	ug/L			11/11/24 12:05	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			11/11/24 12:05	1

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 1945 Tamarack

Job ID: 500-259483-4

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

Lab Sample ID: MB 500-794711/8

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			11/11/24 12:05	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			11/11/24 12:05	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			11/11/24 12:05	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			11/11/24 12:05	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			11/11/24 12:05	1
Trichloroethene	<0.15		0.50	0.15	ug/L			11/11/24 12:05	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			11/11/24 12:05	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			11/11/24 12:05	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			11/11/24 12:05	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			11/11/24 12:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/11/24 12:05	1
Xylenes, Total	<0.30		1.0	0.30	ug/L			11/11/24 12:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		72 - 124		11/11/24 12:05	1
Dibromofluoromethane (Surr)	97		75 - 120		11/11/24 12:05	1
1,2-Dichloroethane-d4 (Surr)	111		75 - 126		11/11/24 12:05	1
Toluene-d8 (Surr)	104		75 - 120		11/11/24 12:05	1

Lab Sample ID: LCS 500-794711/4

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	49.7		ug/L		99	70 - 120
Bromobenzene	50.0	48.1		ug/L		96	70 - 122
Bromochloromethane	50.0	47.3		ug/L		95	65 - 122
Bromodichloromethane	50.0	48.6		ug/L		97	69 - 120
Bromoform	50.0	46.3		ug/L		93	56 - 132
Bromomethane	50.0	59.3		ug/L		119	40 - 152
Carbon tetrachloride	50.0	50.9		ug/L		102	59 - 133
Chlorobenzene	50.0	47.1		ug/L		94	70 - 120
Chloroethane	50.0	52.6		ug/L		105	48 - 136
Chloroform	50.0	48.6		ug/L		97	70 - 120
Chloromethane	50.0	48.5		ug/L		97	56 - 152
2-Chlorotoluene	50.0	50.2		ug/L		100	70 - 125
4-Chlorotoluene	50.0	49.9		ug/L		100	68 - 124
cis-1,2-Dichloroethene	50.0	49.2		ug/L		98	70 - 125
cis-1,3-Dichloropropene	50.0	50.8		ug/L		102	64 - 127
Dibromochloromethane	50.0	49.3		ug/L		99	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	49.6		ug/L		99	56 - 123
1,2-Dibromoethane (EDB)	50.0	49.7		ug/L		99	70 - 125
Dibromomethane	50.0	47.5		ug/L		95	70 - 120
1,2-Dichlorobenzene	50.0	45.9		ug/L		92	70 - 125
1,3-Dichlorobenzene	50.0	45.1		ug/L		90	70 - 125
1,4-Dichlorobenzene	50.0	45.1		ug/L		90	70 - 120
Dichlorodifluoromethane	50.0	56.9		ug/L		114	40 - 159
1,1-Dichloroethane	50.0	54.8		ug/L		110	70 - 125

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 1945 Tamarack

Job ID: 500-259483-4

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

Lab Sample ID: LCS 500-794711/4

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	53.6		ug/L		107	68 - 127
1,1-Dichloroethene	50.0	50.5		ug/L		101	67 - 122
1,2-Dichloropropane	50.0	52.7		ug/L		105	67 - 130
1,3-Dichloropropane	50.0	51.0		ug/L		102	62 - 136
2,2-Dichloropropane	50.0	54.8		ug/L		110	58 - 139
1,1-Dichloropropene	50.0	53.0		ug/L		106	70 - 121
Ethylbenzene	50.0	50.6		ug/L		101	70 - 123
Hexachlorobutadiene	50.0	49.3		ug/L		99	51 - 150
Isopropylbenzene	50.0	50.4		ug/L		101	70 - 126
Methylene Chloride	50.0	52.6		ug/L		105	69 - 125
Methyl tert-butyl ether	50.0	51.3		ug/L		103	55 - 123
Naphthalene	50.0	45.9		ug/L		92	53 - 144
n-Butylbenzene	50.0	49.5		ug/L		99	68 - 125
N-Propylbenzene	50.0	49.6		ug/L		99	69 - 127
4-Isopropyltoluene	50.0	47.6		ug/L		95	70 - 125
sec-Butylbenzene	50.0	48.8		ug/L		98	70 - 123
Styrene	50.0	50.5		ug/L		101	70 - 120
tert-Butylbenzene	50.0	46.9		ug/L		94	70 - 121
1,1,1,2-Tetrachloroethane	50.0	46.9		ug/L		94	70 - 125
1,1,2,2-Tetrachloroethane	50.0	52.5		ug/L		105	62 - 140
Tetrachloroethene	50.0	47.0		ug/L		94	70 - 128
Toluene	50.0	50.2		ug/L		100	70 - 125
trans-1,2-Dichloroethene	50.0	50.3		ug/L		101	70 - 125
trans-1,3-Dichloropropene	50.0	51.2		ug/L		102	62 - 128
1,2,3-Trichlorobenzene	50.0	42.5		ug/L		85	51 - 145
1,2,4-Trichlorobenzene	50.0	43.7		ug/L		87	57 - 137
1,1,1-Trichloroethane	50.0	51.4		ug/L		103	70 - 125
1,1,2-Trichloroethane	50.0	50.2		ug/L		100	71 - 130
Trichloroethene	50.0	47.3		ug/L		95	70 - 125
Trichlorofluoromethane	50.0	52.2		ug/L		104	55 - 128
1,2,3-Trichloropropane	50.0	51.8		ug/L		104	50 - 133
1,2,4-Trimethylbenzene	50.0	49.9		ug/L		100	70 - 123
1,3,5-Trimethylbenzene	50.0	50.0		ug/L		100	70 - 123
Vinyl chloride	50.0	52.6		ug/L		105	64 - 126
Xylenes, Total	100	99.5		ug/L		99	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		72 - 124
Dibromofluoromethane (Surr)	98		75 - 120
1,2-Dichloroethane-d4 (Surr)	111		75 - 126
Toluene-d8 (Surr)	103		75 - 120

Lab Sample ID: LCSD 500-794711/5

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	50.0	49.7		ug/L		99	70 - 120	0	20

Eurofins Chicago

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 1945 Tamarack

Job ID: 500-259483-4

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

Lab Sample ID: LCSD 500-794711/5

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromobenzene	50.0	48.7		ug/L		97	70 - 122	1	20
Bromochloromethane	50.0	46.6		ug/L		93	65 - 122	1	20
Bromodichloromethane	50.0	48.0		ug/L		96	69 - 120	1	20
Bromoform	50.0	47.0		ug/L		94	56 - 132	1	20
Bromomethane	50.0	60.1		ug/L		120	40 - 152	1	20
Carbon tetrachloride	50.0	50.2		ug/L		100	59 - 133	1	20
Chlorobenzene	50.0	46.8		ug/L		94	70 - 120	1	20
Chloroethane	50.0	50.9		ug/L		102	48 - 136	3	20
Chloroform	50.0	48.1		ug/L		96	70 - 120	1	20
Chloromethane	50.0	48.0		ug/L		96	56 - 152	1	20
2-Chlorotoluene	50.0	50.1		ug/L		100	70 - 125	0	20
4-Chlorotoluene	50.0	50.5		ug/L		101	68 - 124	1	20
cis-1,2-Dichloroethene	50.0	47.8		ug/L		96	70 - 125	3	20
cis-1,3-Dichloropropene	50.0	51.0		ug/L		102	64 - 127	0	20
Dibromochloromethane	50.0	49.4		ug/L		99	68 - 125	0	20
1,2-Dibromo-3-Chloropropane	50.0	52.7		ug/L		105	56 - 123	6	20
1,2-Dibromoethane (EDB)	50.0	49.7		ug/L		99	70 - 125	0	20
Dibromomethane	50.0	47.9		ug/L		96	70 - 120	1	20
1,2-Dichlorobenzene	50.0	46.6		ug/L		93	70 - 125	1	20
1,3-Dichlorobenzene	50.0	45.7		ug/L		91	70 - 125	1	20
1,4-Dichlorobenzene	50.0	45.7		ug/L		91	70 - 120	2	20
Dichlorodifluoromethane	50.0	55.0		ug/L		110	40 - 159	3	20
1,1-Dichloroethane	50.0	53.9		ug/L		108	70 - 125	2	20
1,2-Dichloroethane	50.0	53.3		ug/L		107	68 - 127	1	20
1,1-Dichloroethene	50.0	50.4		ug/L		101	67 - 122	0	20
1,2-Dichloropropane	50.0	51.6		ug/L		103	67 - 130	2	20
1,3-Dichloropropane	50.0	51.1		ug/L		102	62 - 136	0	20
2,2-Dichloropropane	50.0	54.5		ug/L		109	58 - 139	1	20
1,1-Dichloropropene	50.0	51.8		ug/L		104	70 - 121	2	20
Ethylbenzene	50.0	50.4		ug/L		101	70 - 123	0	20
Hexachlorobutadiene	50.0	49.7		ug/L		99	51 - 150	1	20
Isopropylbenzene	50.0	51.2		ug/L		102	70 - 126	2	20
Methylene Chloride	50.0	51.3		ug/L		103	69 - 125	2	20
Methyl tert-butyl ether	50.0	50.7		ug/L		101	55 - 123	1	20
Naphthalene	50.0	49.0		ug/L		98	53 - 144	6	20
n-Butylbenzene	50.0	49.5		ug/L		99	68 - 125	0	20
N-Propylbenzene	50.0	49.8		ug/L		100	69 - 127	0	20
4-Isopropyltoluene	50.0	47.7		ug/L		95	70 - 125	0	20
sec-Butylbenzene	50.0	48.9		ug/L		98	70 - 123	0	20
Styrene	50.0	49.9		ug/L		100	70 - 120	1	20
tert-Butylbenzene	50.0	47.6		ug/L		95	70 - 121	1	20
1,1,1,2-Tetrachloroethane	50.0	46.4		ug/L		93	70 - 125	1	20
1,1,2,2-Tetrachloroethane	50.0	54.0		ug/L		108	62 - 140	3	20
Tetrachloroethene	50.0	46.4		ug/L		93	70 - 128	1	20
Toluene	50.0	49.3		ug/L		99	70 - 125	2	20
trans-1,2-Dichloroethene	50.0	49.0		ug/L		98	70 - 125	3	20
trans-1,3-Dichloropropene	50.0	50.9		ug/L		102	62 - 128	1	20
1,2,3-Trichlorobenzene	50.0	44.8		ug/L		90	51 - 145	5	20
1,2,4-Trichlorobenzene	50.0	45.2		ug/L		90	57 - 137	3	20

Eurofins Chicago

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 1945 Tamarack

Job ID: 500-259483-4

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

Lab Sample ID: LCSD 500-794711/5

Matrix: Water

Analysis Batch: 794711

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	50.0	50.5		ug/L		101	70 - 125	2	20
1,1,2-Trichloroethane	50.0	50.2		ug/L		100	71 - 130	0	20
Trichloroethene	50.0	46.7		ug/L		93	70 - 125	1	20
Trichlorofluoromethane	50.0	51.2		ug/L		102	55 - 128	2	20
1,2,3-Trichloropropane	50.0	54.3		ug/L		109	50 - 133	5	20
1,2,4-Trimethylbenzene	50.0	50.3		ug/L		101	70 - 123	1	20
1,3,5-Trimethylbenzene	50.0	50.1		ug/L		100	70 - 123	0	20
Vinyl chloride	50.0	53.1		ug/L		106	64 - 126	1	20
Xylenes, Total	100	97.9		ug/L		98	70 - 125	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	108		72 - 124
Dibromofluoromethane (Surr)	97		75 - 120
1,2-Dichloroethane-d4 (Surr)	108		75 - 126
Toluene-d8 (Surr)	104		75 - 120

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 1945 Tamarack

Job ID: 500-259483-4

Client Sample ID: 1945 Tamarack Trail
Date Collected: 10/28/24 16:00
Date Received: 11/02/24 09:30

Lab Sample ID: 500-259483-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	794711	W1T	EET CHI	11/11/24 15:00

Client Sample ID: Trip Blank
Date Collected: 10/31/24 00:00
Date Received: 11/02/24 09:30

Lab Sample ID: 500-259483-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	794711	W1T	EET CHI	11/11/24 15:24

Laboratory References:
EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Stantec Consulting Corporation
Project/Site: Denow Landfill - 193704196 1945 Tamarack

Job ID: 500-259483-4

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-25

- 1
- 2
- 3
- 4
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- 6
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- 9
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- 12
- 13
- 14
- 15

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University Park, IL 60484
Phone 708 534 5200 Fax 708-534-5211

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2

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[illegible]

2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

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[illegible]

UNITED STATES
STANTEC CONSULTING CORP
12080 CORPORATE PARKWAY
SUITE 200
MEQUON, WI 53092
UNITED STATES US

ACTIVITY IS ON LEAD TIME
CAD: 0780307/CAFEJ855

Part # 159469-434 NTW EXP 02/25

TO **SAMPLE RECEIPT**
EUROFINS CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484

(700) 634-6200
INV:
PO:

REF:

DEPT:

RMA

FedEx
Express



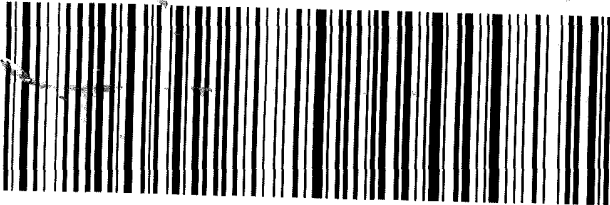
FedEx

TRK#
0221 4221 9521 8304

DELIVERY MON - SAT
SATURDAY 12:00P
PRIORITY OVERNIGHT

X0 JOTA 16QT

60484
IL-US
ORD



813214 01Nov2024 NKEA 581G6/2D2B/5FE5

Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 500-259483-4

Login Number: 259483

List Source: Eurofins Chicago

List Number: 1

Creator: Yarbrough-Foster, Dahjane

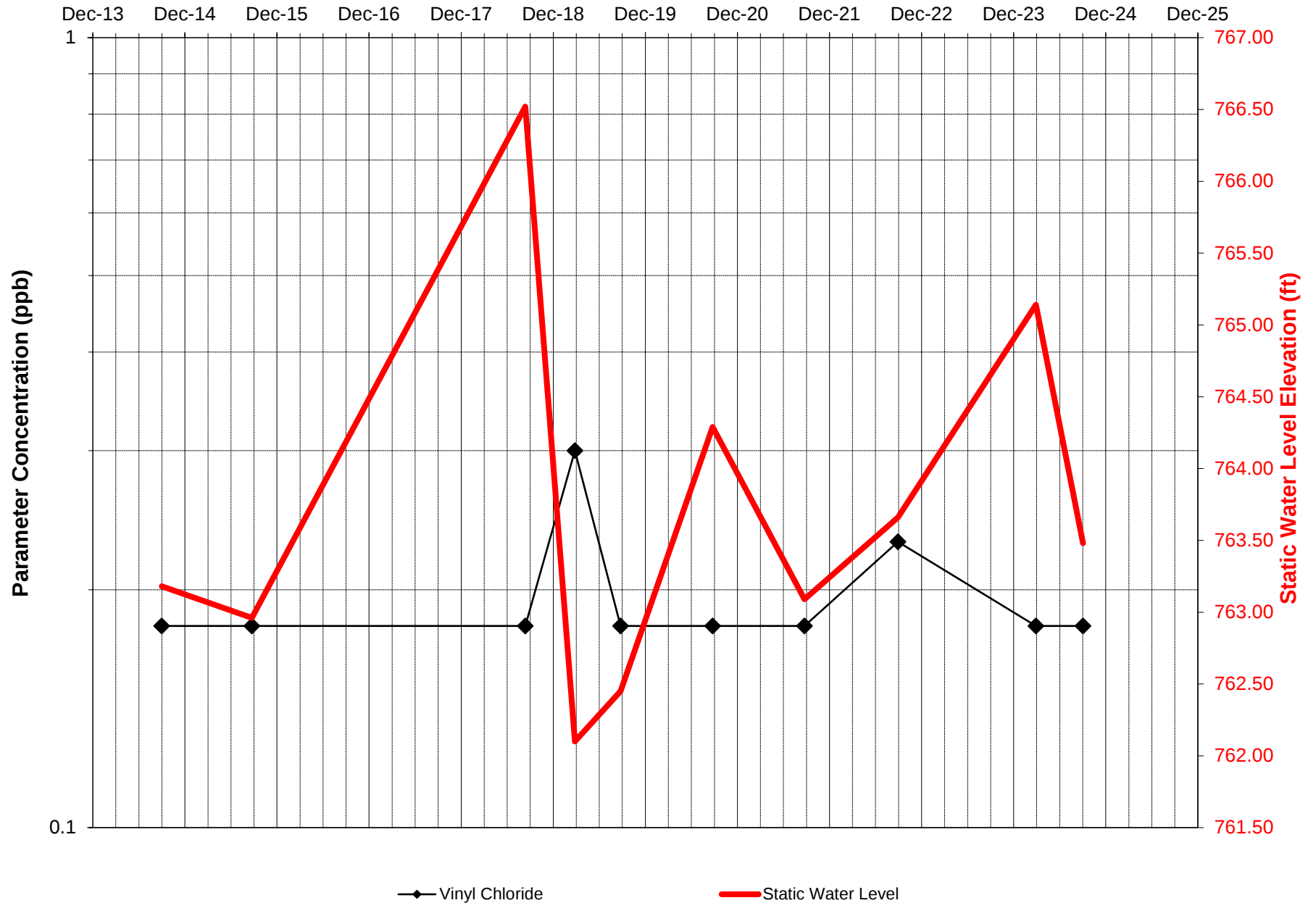
Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-1.9
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix B Monitoring Wells Data Graph

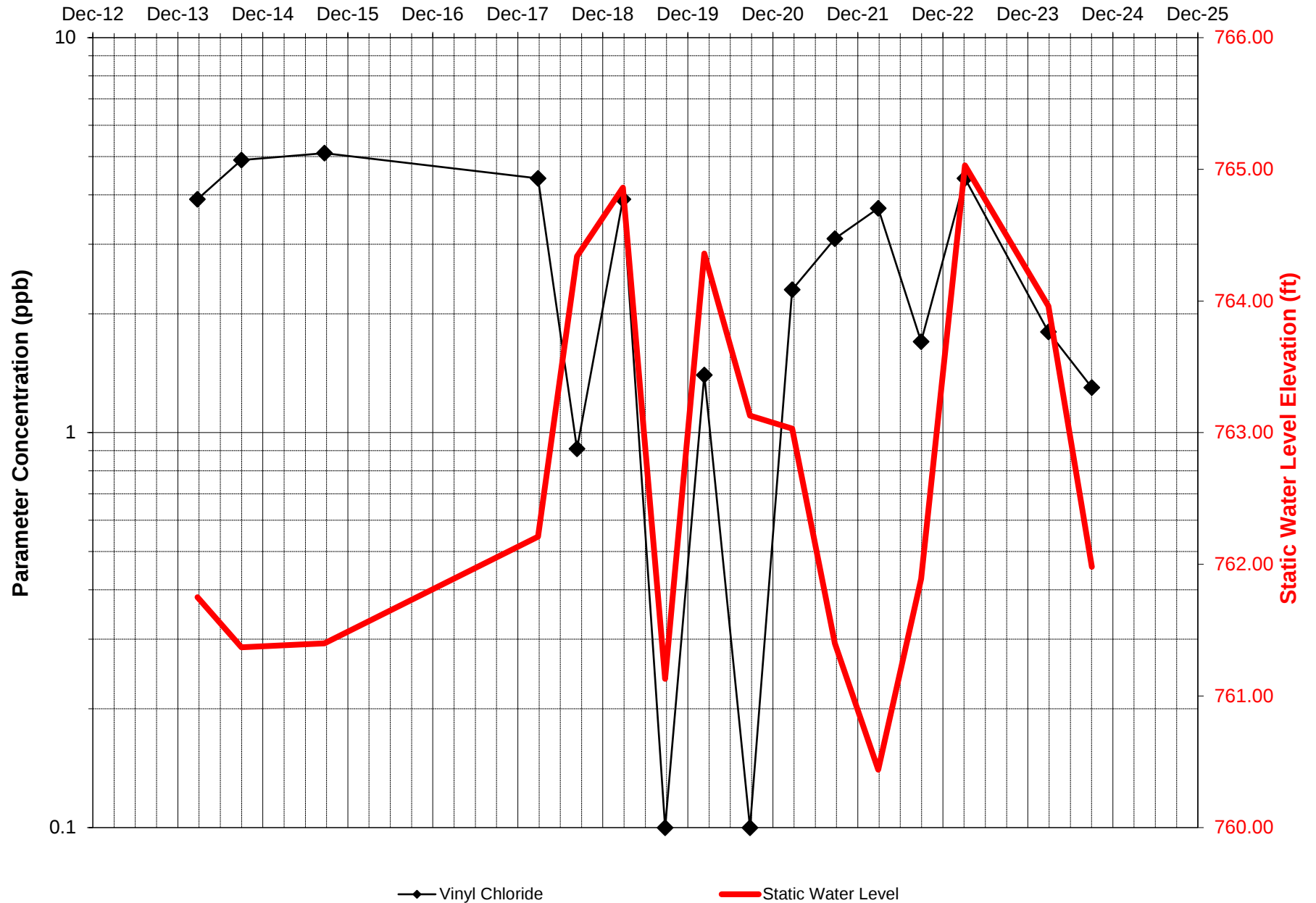


Confidential

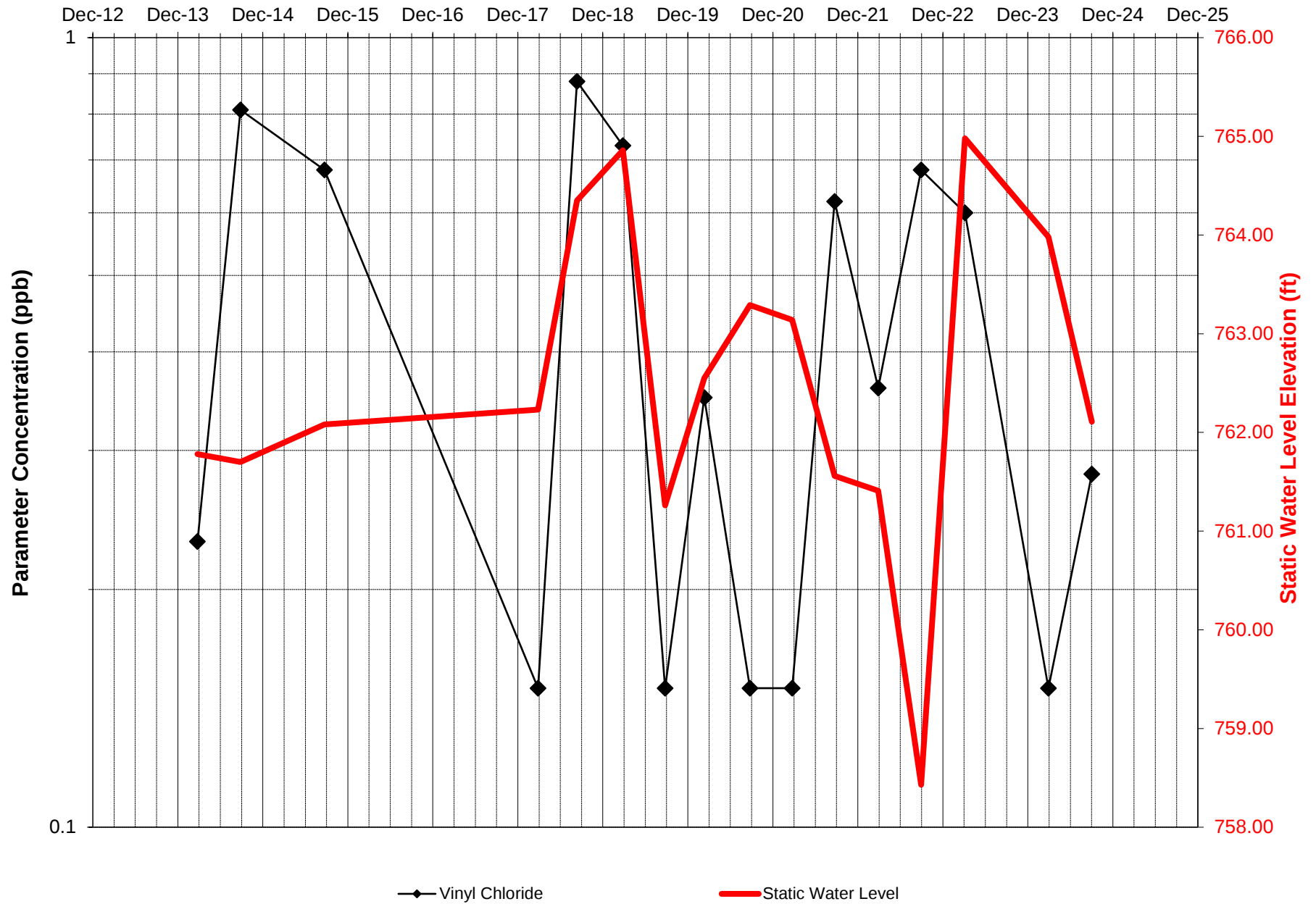
Denow Landfill - Well ID: 2232 Edgewood



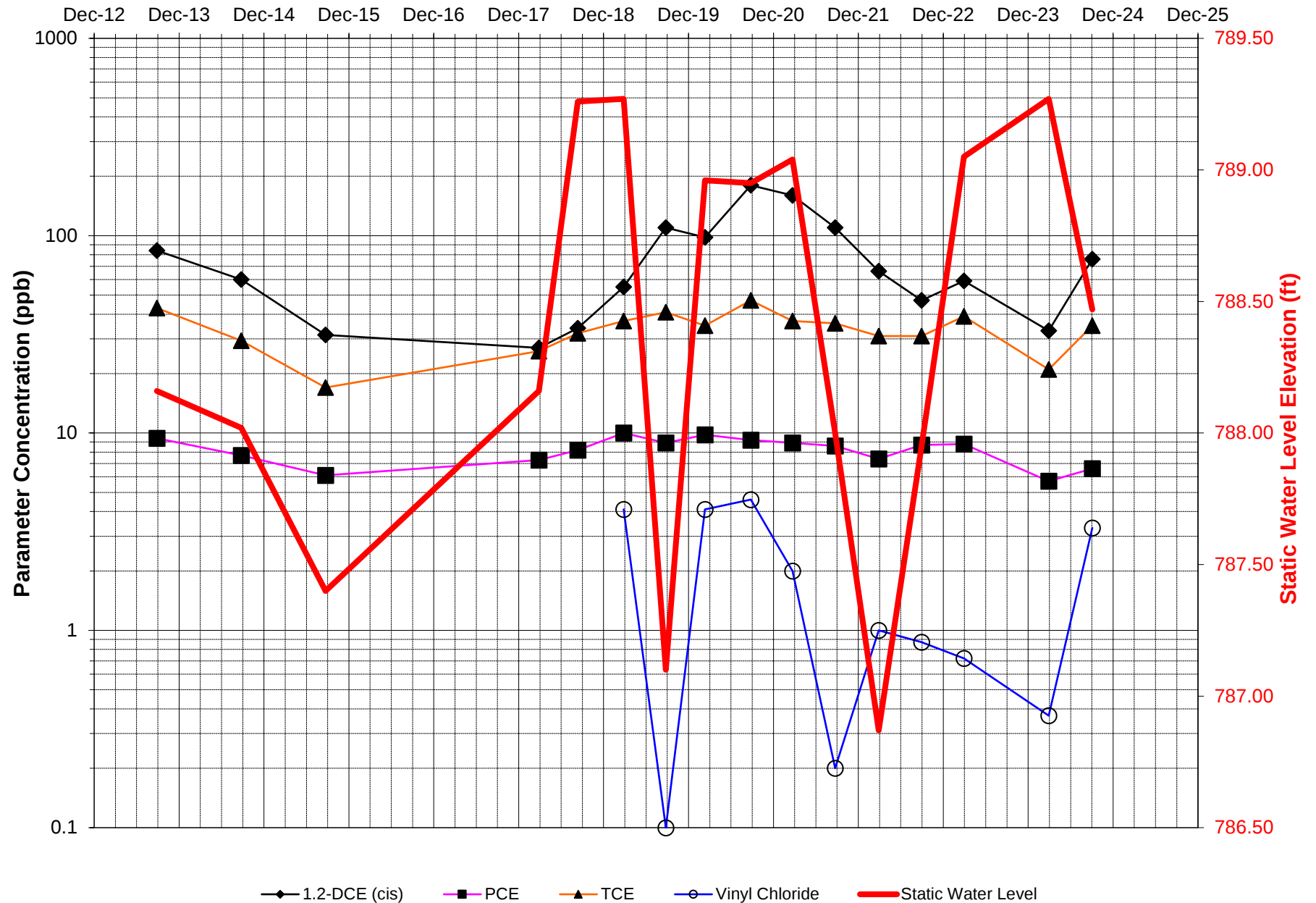
Denow Landfill - Well ID: 2267 Edgewood



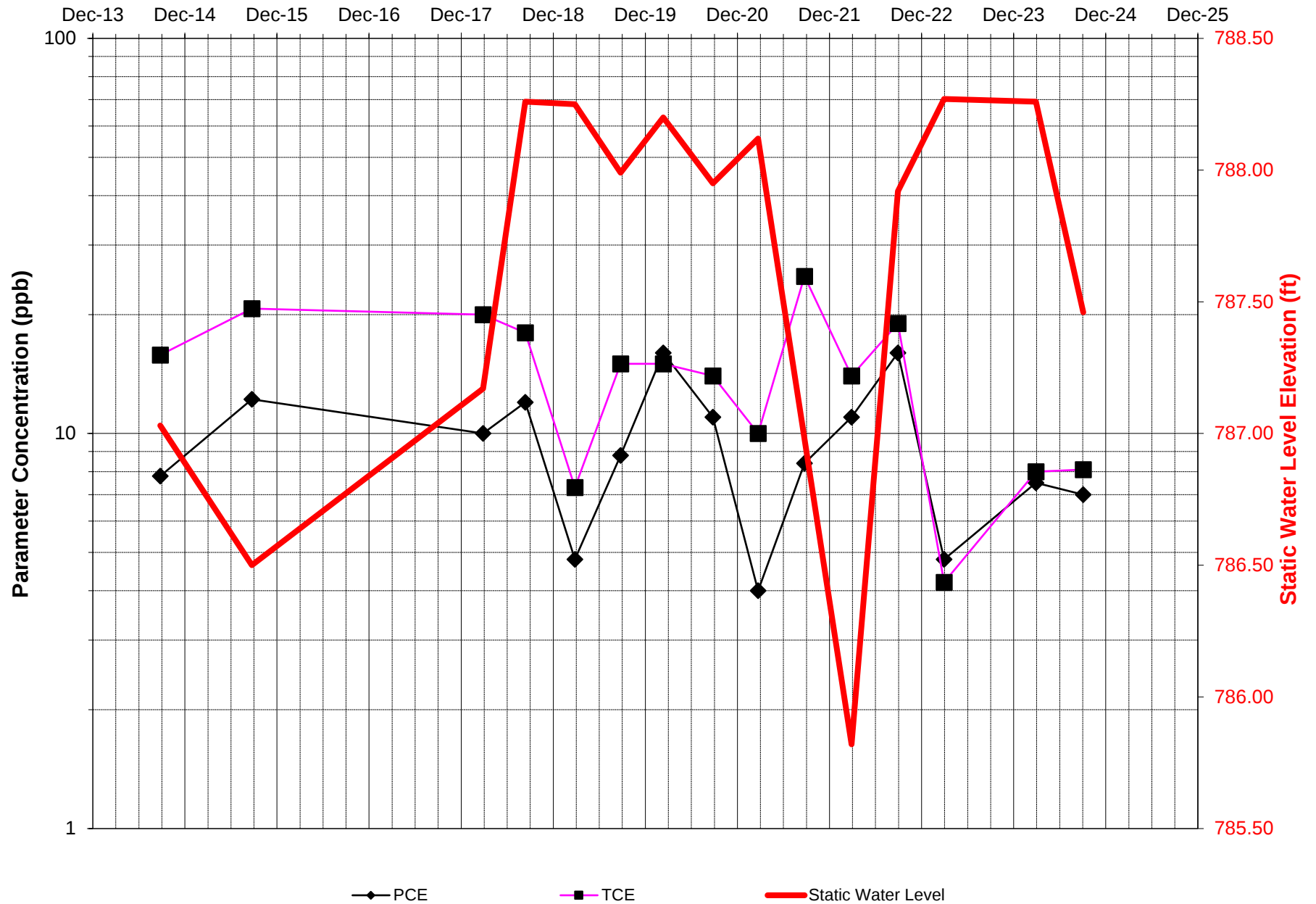
Denow Landfill - Well ID: 2280 Edgewood



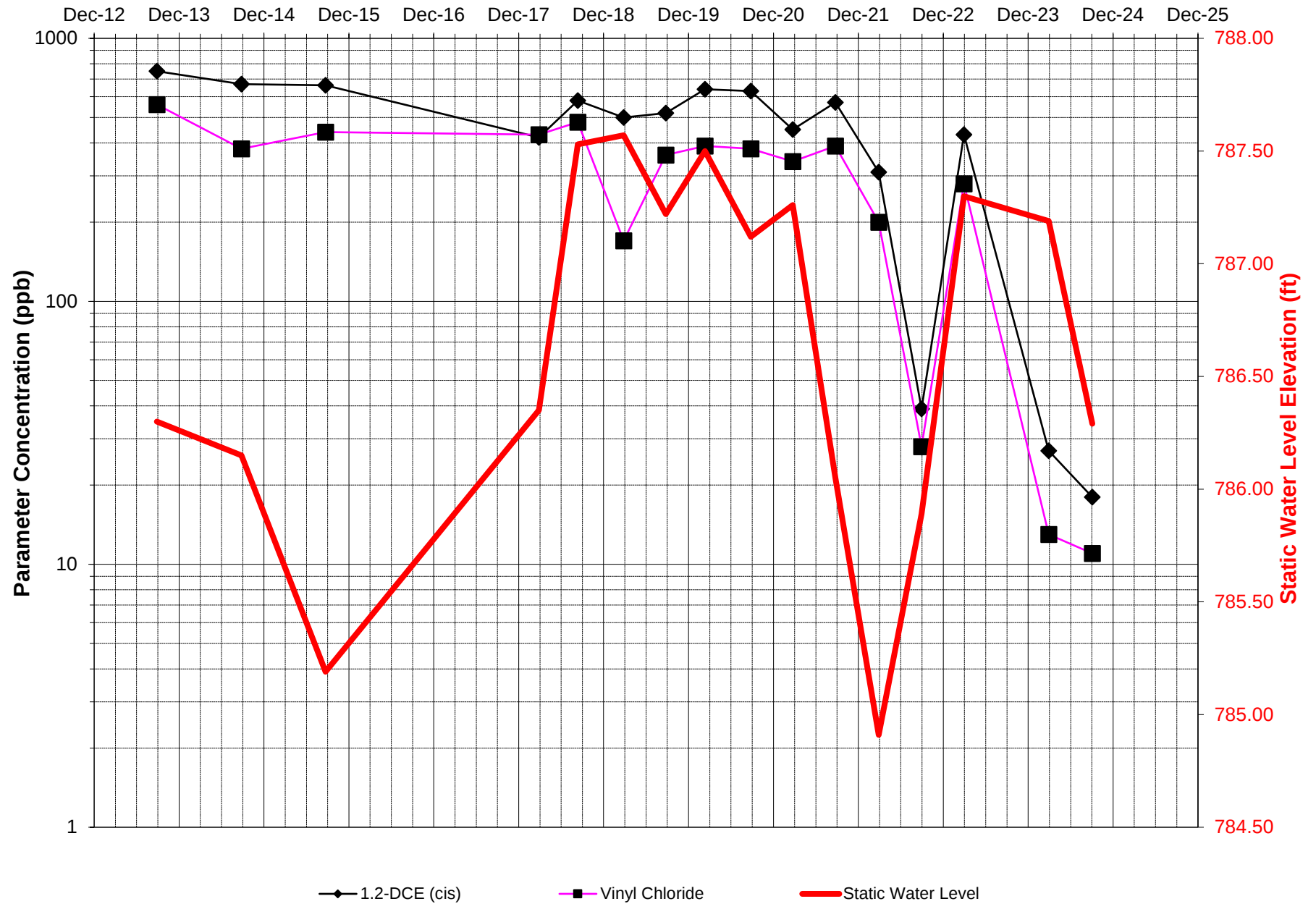
Denow Landfill - Well ID: MW-2D



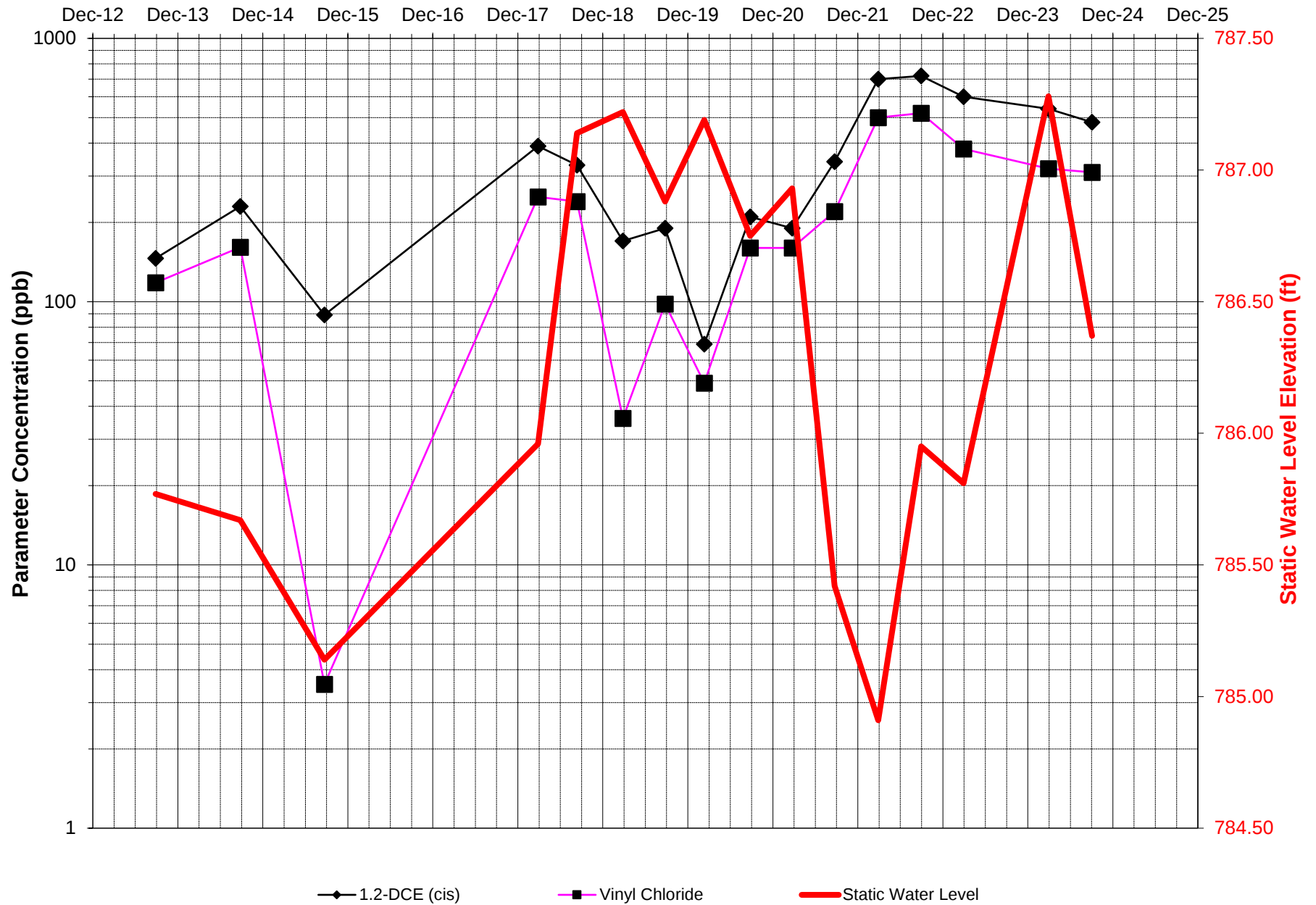
Denow Landfill - Well ID: MW-2S



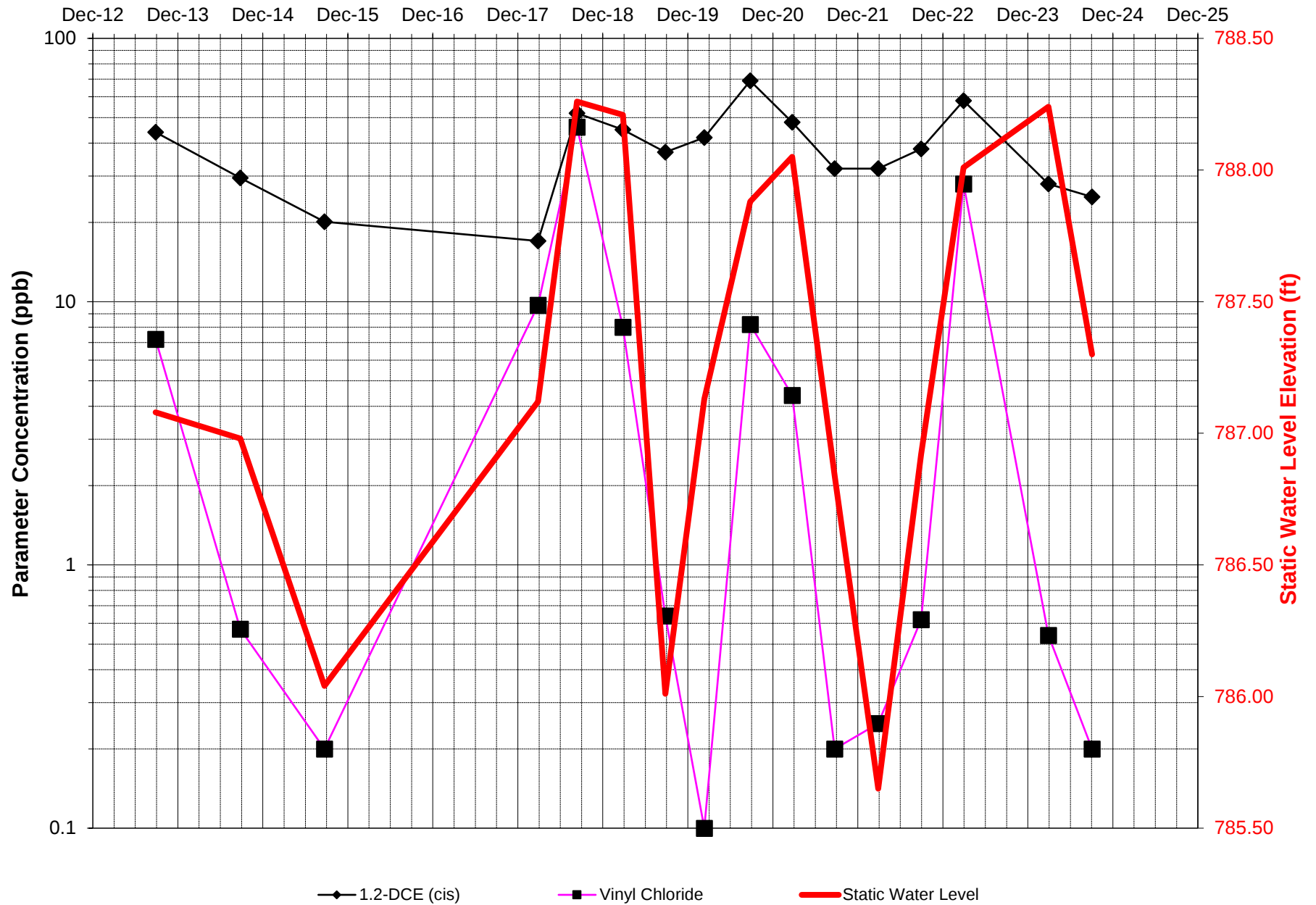
Denow Landfill - Well ID: MW-3B1



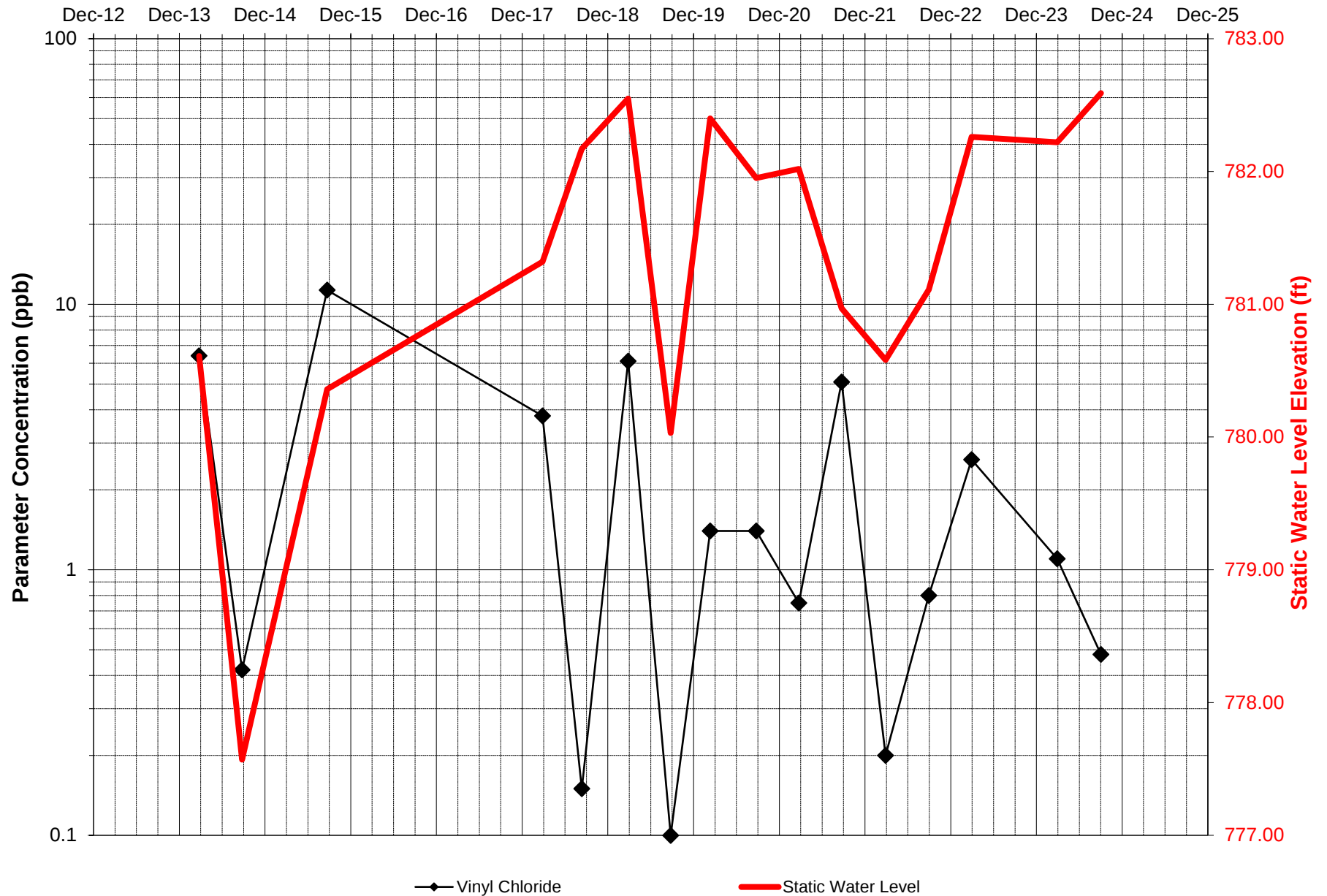
Denow Landfill - Well ID: MW-3B2



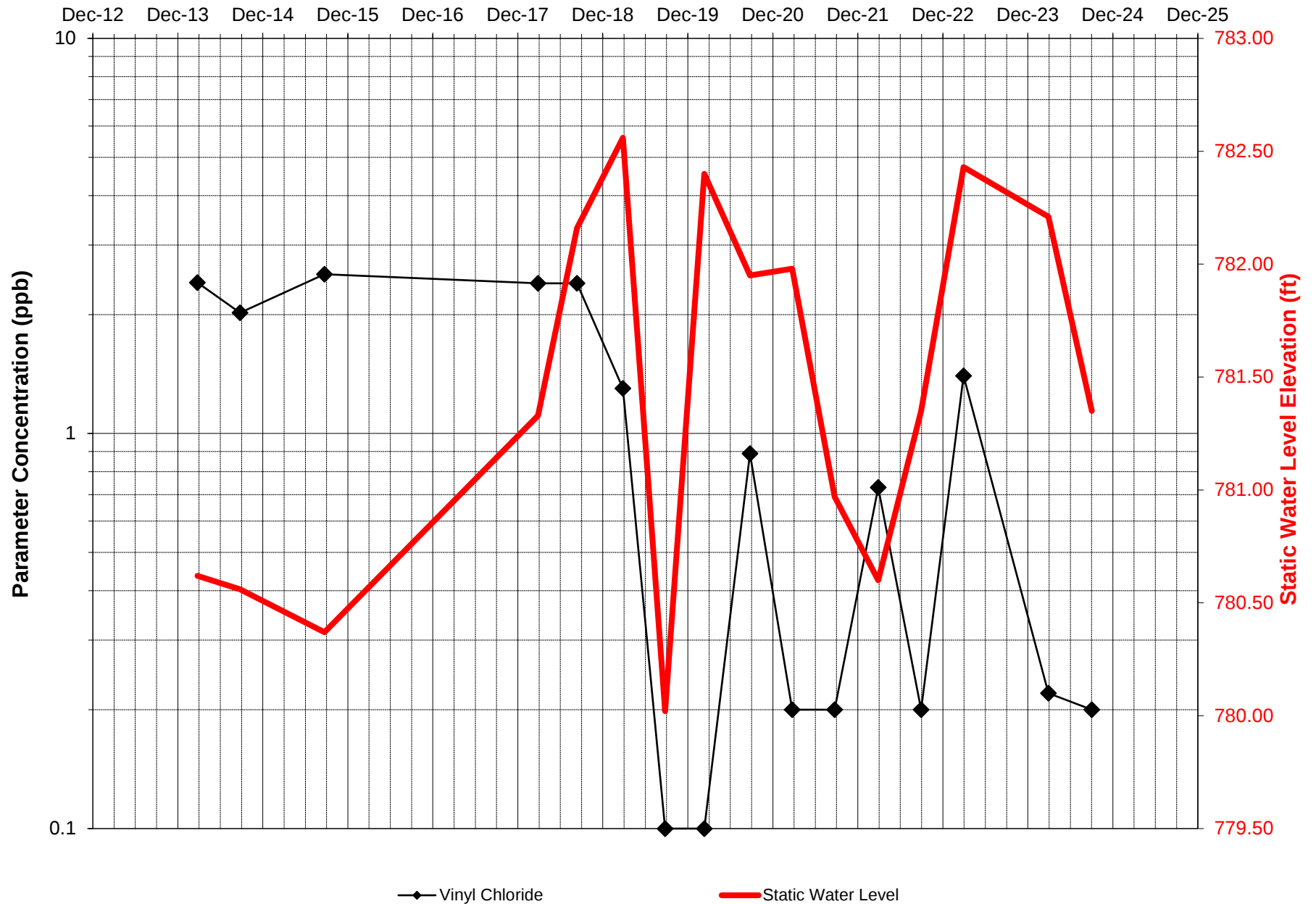
Denow Landfill - Well ID: MW-3D



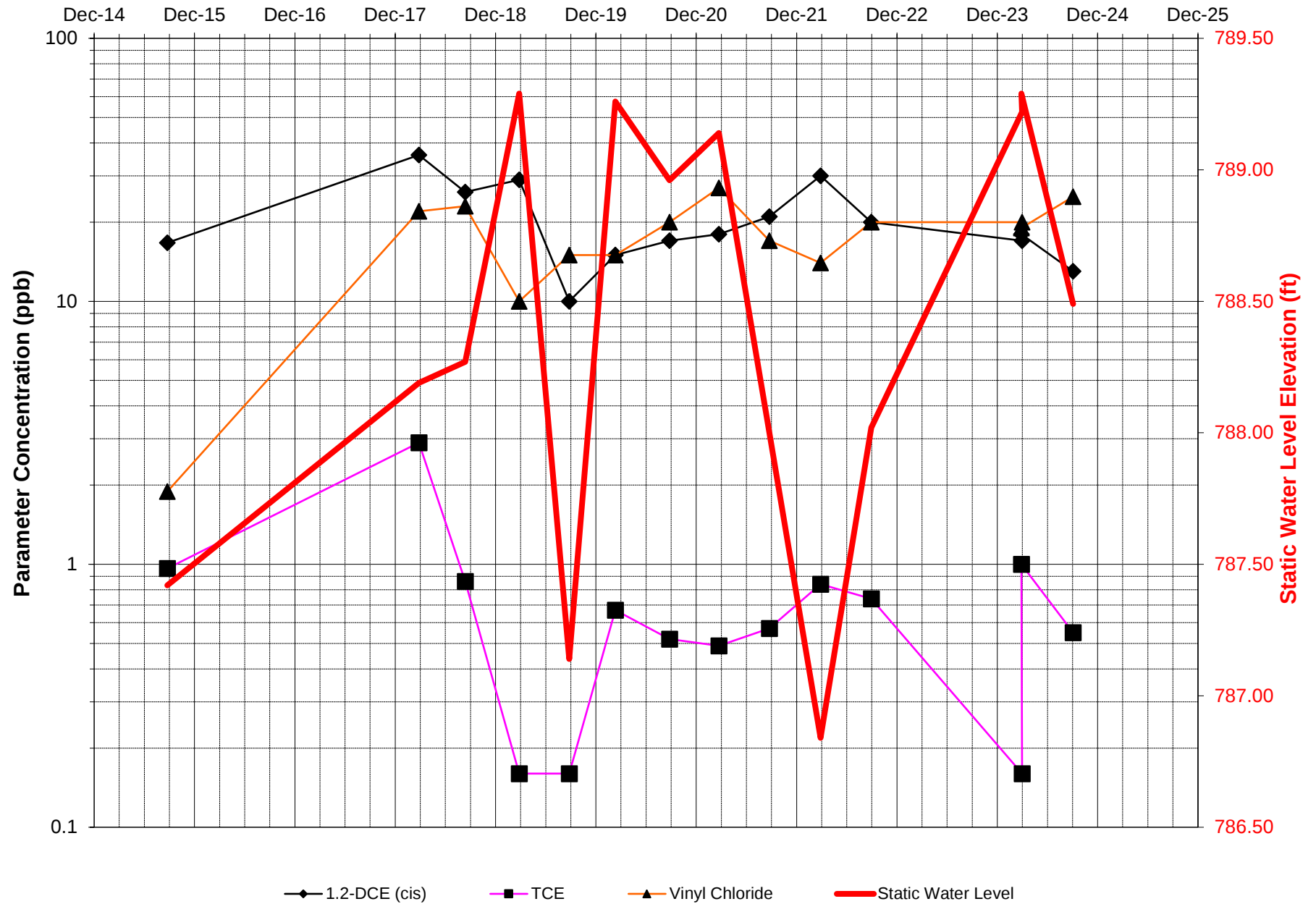
Denow Landfill - Well ID: MW-6B



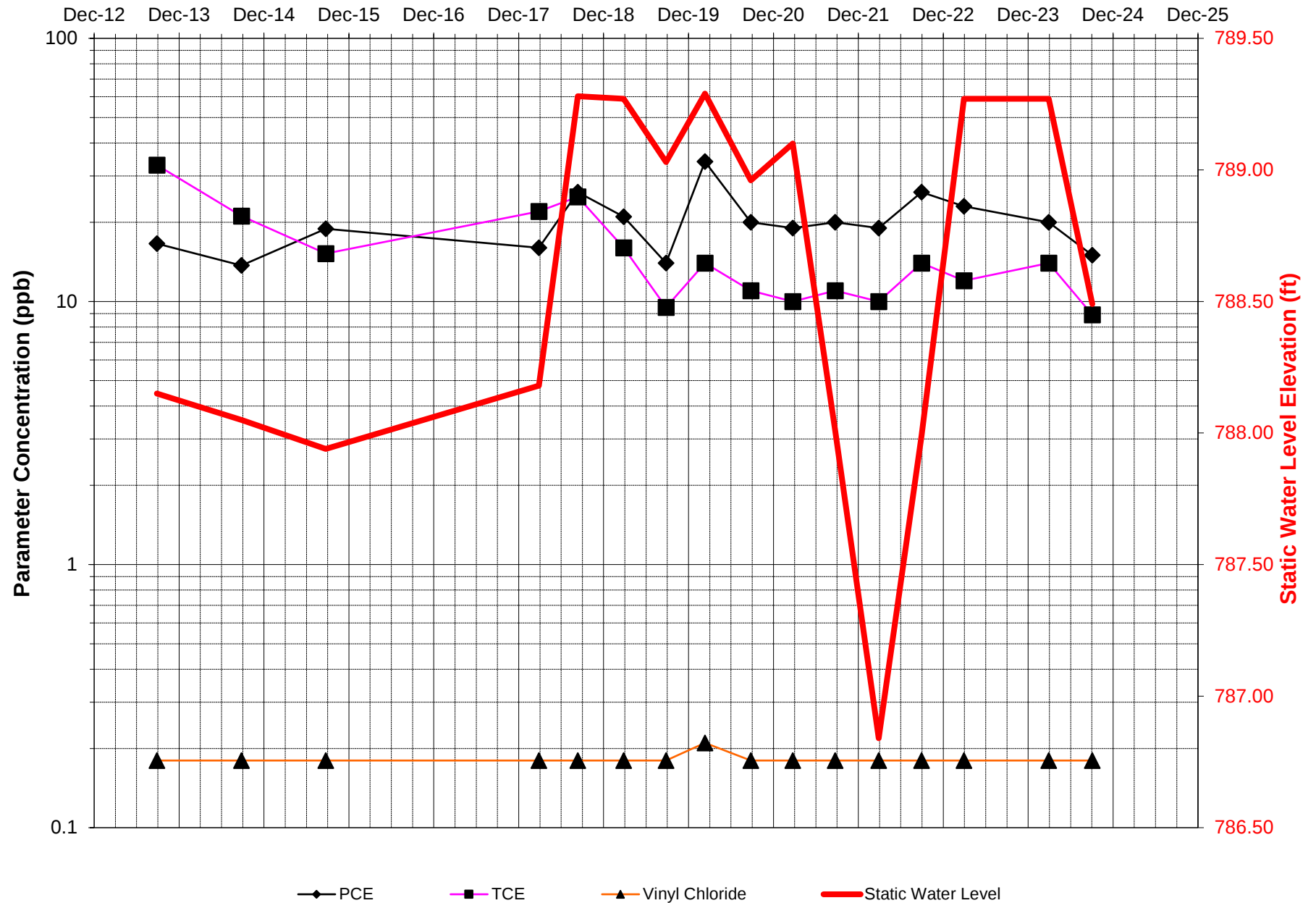
Denow Landfill - Well ID: MW-6D



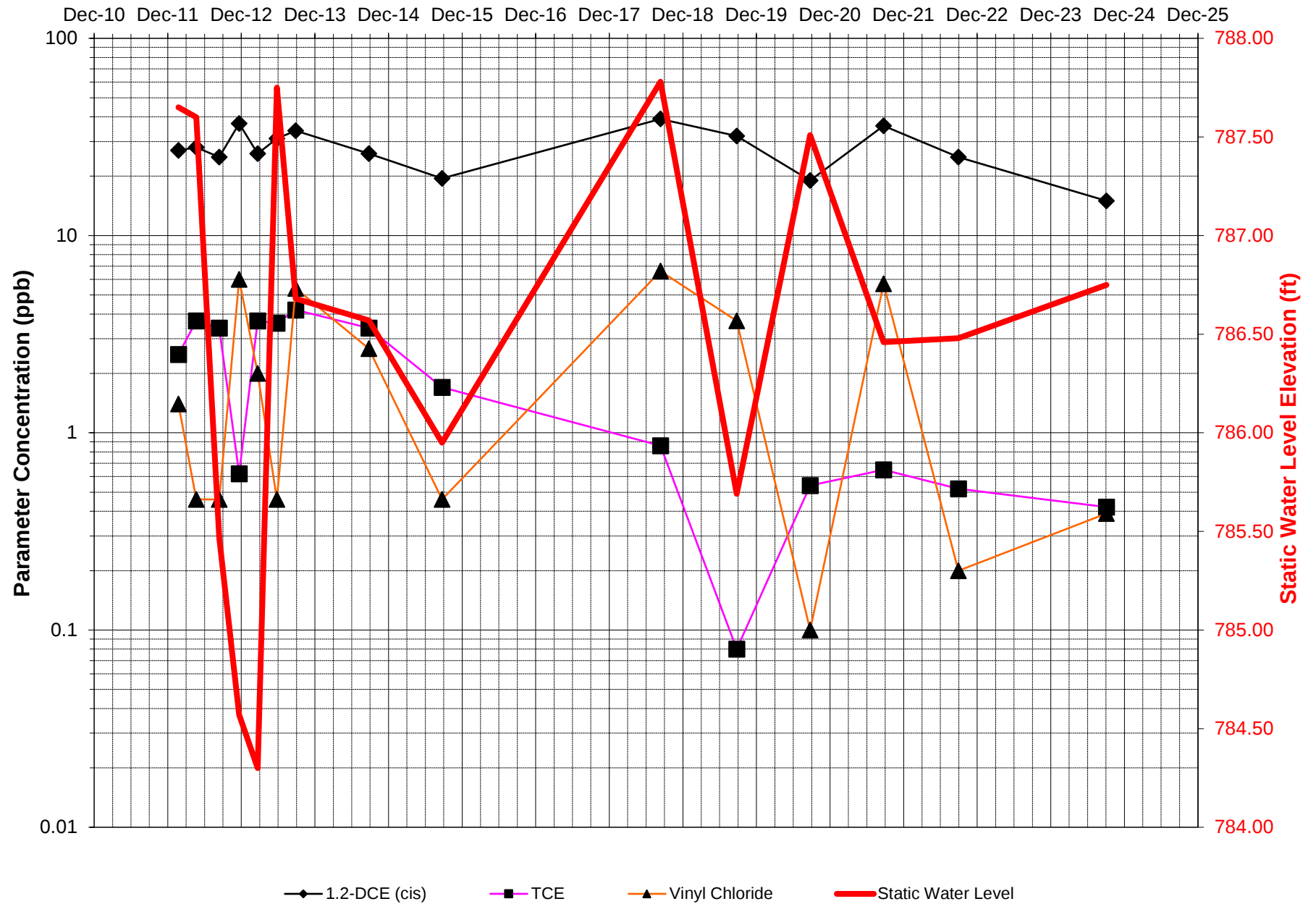
Denow Landfill - Well ID: MW-8B



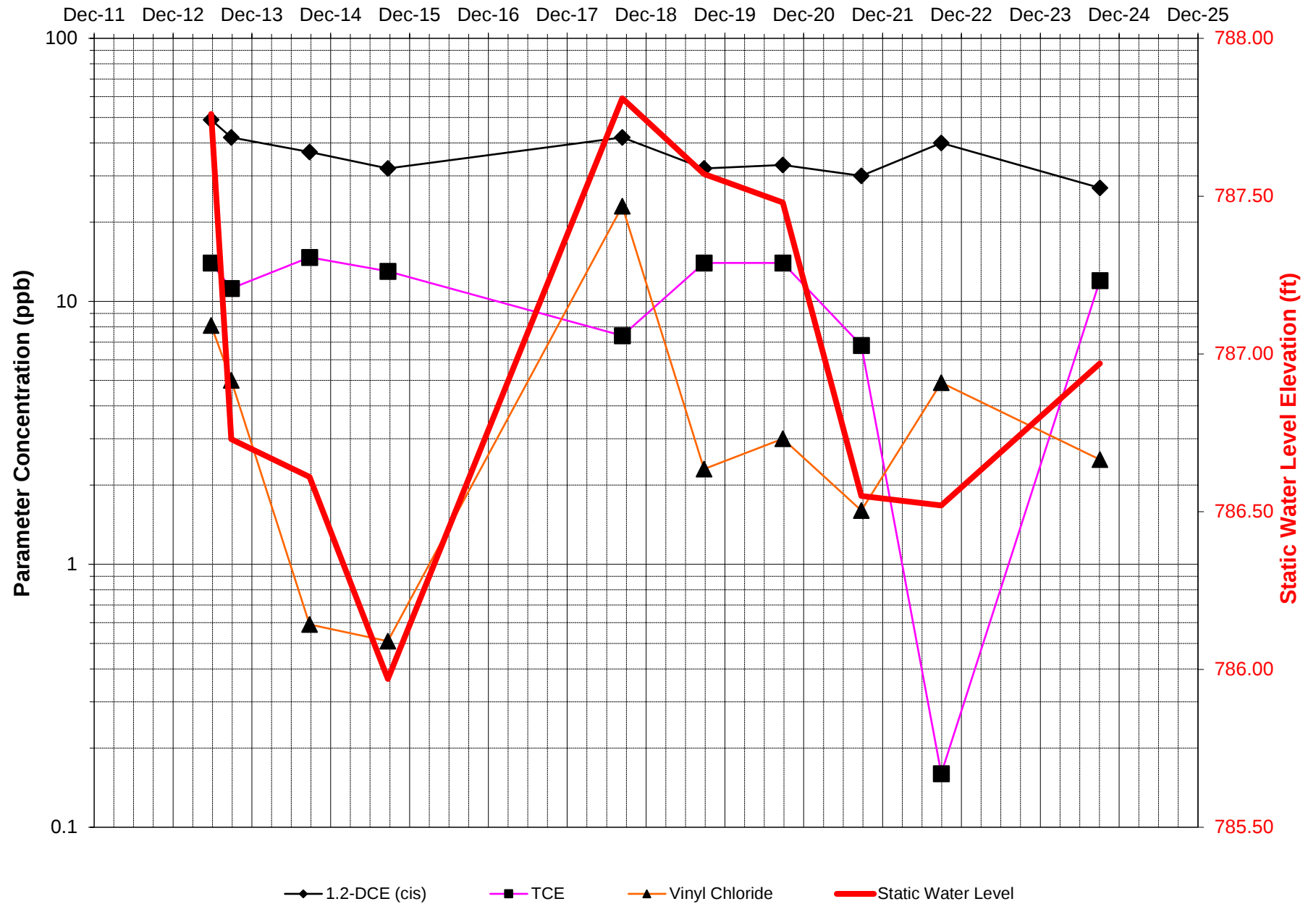
Denow Landfill - Well ID: MW-8S



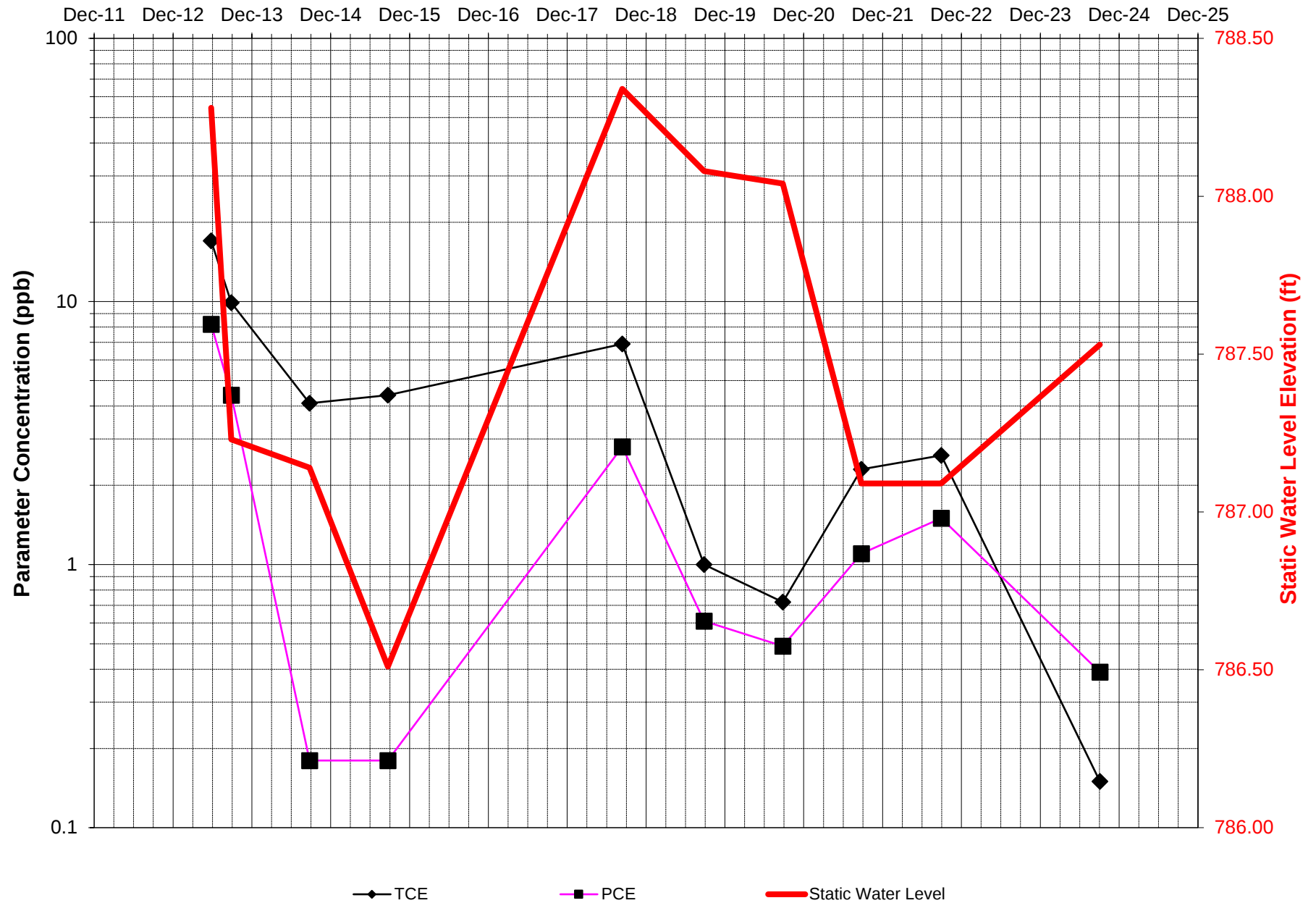
Denow Landfill - Well ID: MW-9B



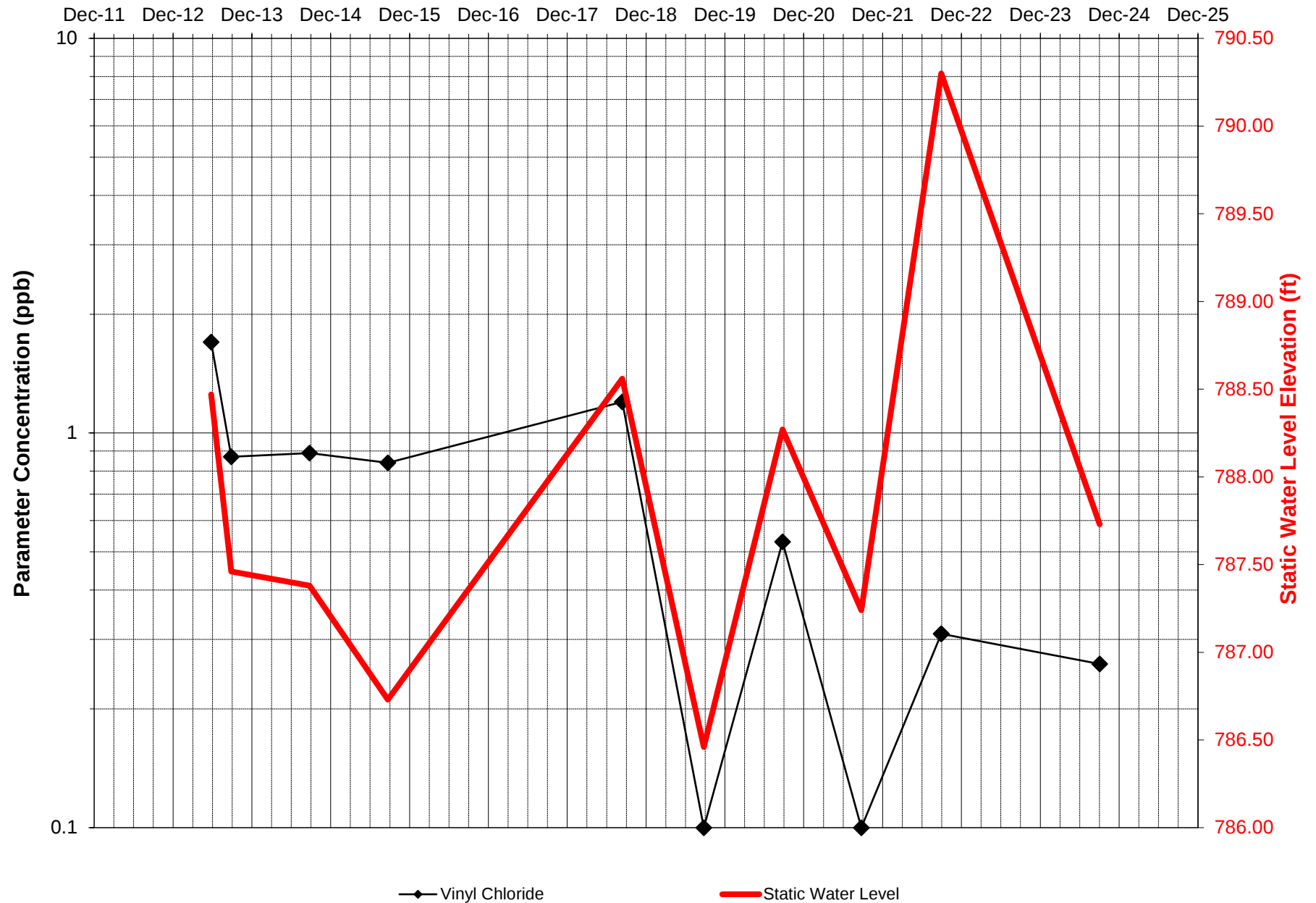
Denow Landfill - Well ID: MW-12B



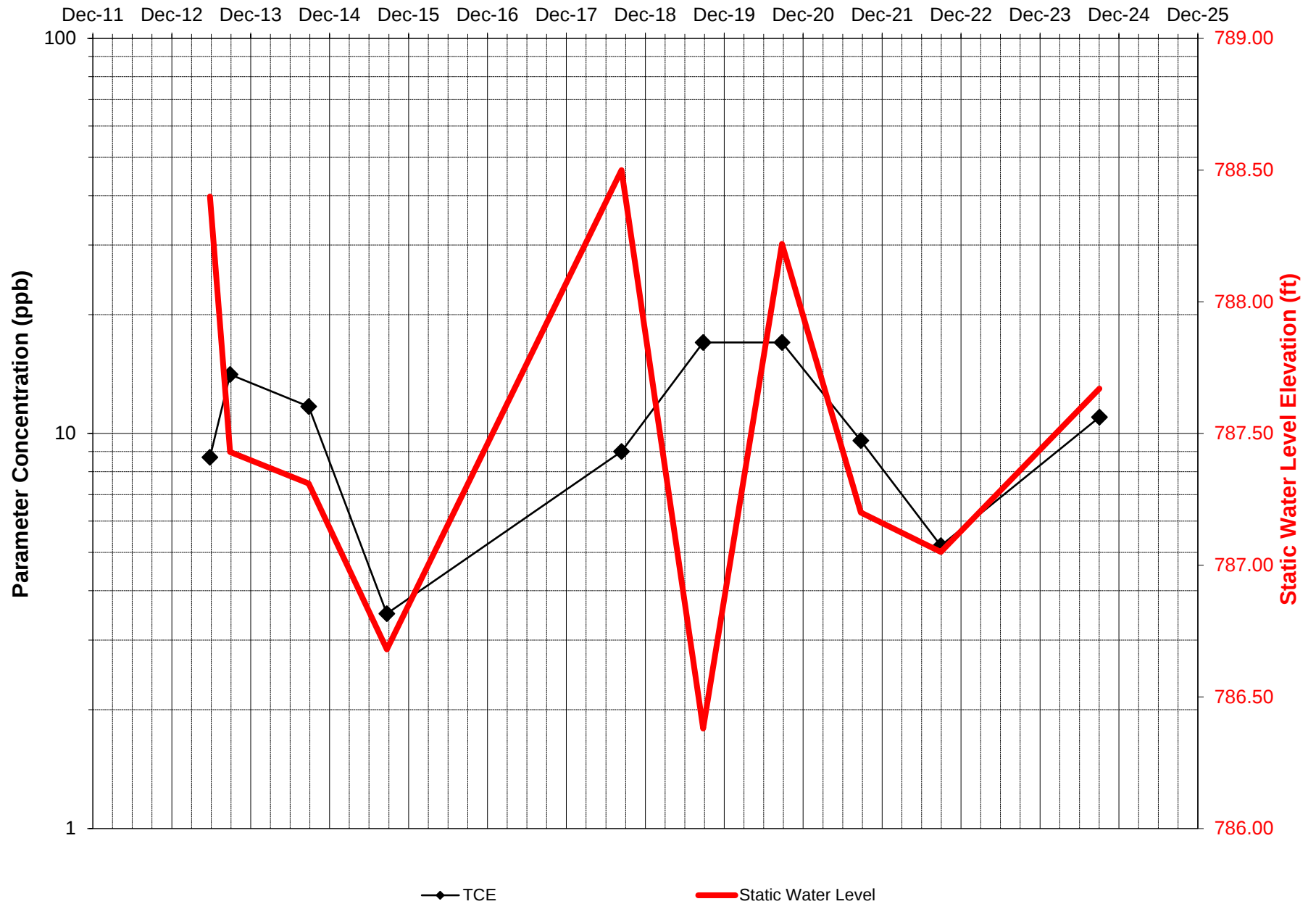
Denow Landfill - Well ID: MW-12S



Denow Landfill - Well ID: MW-13B



Denow Landfill - Well ID: MW-13S



Appendix C Landfill Inspection Form



Confidential

Landfill Cap Maintenance Inspection Log

Denow Landfill Site

Grafton, Wisconsin

WDNR BRRS #02-46-000735

[illegible]



Stantec is a global leader in sustainable architecture, engineering, and environmental consulting. The diverse perspectives of our partners and interested parties drive us to think beyond what's previously been done on critical issues like climate change, digital transformation, and future-proofing our cities and infrastructure. We innovate at the intersection of community, creativity, and client relationships to advance communities everywhere, so that together we can redefine what's possible.

