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March 30, 2023

Madeleine Babick
New York State Department of Environmental Conservation
One Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101

Via email: madeleine.babick@dec.ny.gov

Re: Edgewater Realty, LLC (Owner)
Former Dexter Chemical, LLC Site
819-845 Edgewater Road
810-842 Whittier Street
Bronx, New York
VCP #V00186-2
Whitman Project #97-09-10AT
Periodic Review Report

Dear Ms. Babick:

Attached please this electronic copy of the 5th Periodic Review Report (PRR) for the above-referenced Site for the reporting period March 2, 2020 through March 2, 2023. The following items are also provided as Attachments to the report:

- Site Management Periodic Review Report Institutional and Engineering Controls Certification Forms; and

- Annual Monitoring Report Form for Institutional & Engineering Controls – Field Form

It should be noted that Edgewater Realty, LLC remains owner of the property but is now listed/named as Tenant in Common LLCs 10454 LLC & 10454 LLC.

Should you have any questions please contact me at (732) 390-5858.

Very truly yours,

Brett Iwicki
Project Manager

BI/
Attachments

Via email:

cc: Jane O'Connell, NYSDEC
Justin Deming, NYSDOH
Dawn Hettrick, NYSDOH
Rosalie K. Rusinko, Esq., NYSDEC
Bernard Tivnan, Edgewater Realty, LLC
Michelle Tivnan, Edgewater Realty, LLC
Leonard Sitver, Formerly of Dexter Chemical, LLC
Kenneth Ballan, Formerly of Dexter Chemical, LLC
Richard Conway, Esq., Schenck, Price, Smith & King, LLP
Michael W. Wellet, P.E., C.P.E. Whitman
Ira Whitman, PhD., P.E., Whitman

Former Dexter Chemical Site
819-845 Edgewater Road &
810-842 Whittier Street
BRONX, NEW YORK

Periodic Review Report

NYSDEC Site Number: V00186-2
Index Number: W2-0864-03-08

Prepared for:
10454 LLC & 10454 LLC
20 W. 22nd Street, Suite 605
New York, New York 10010

Prepared by:
Michael W. Wellet, P.E., C.P.E.
100 Franklin Square Drive, Suite 200
Somerset, New Jersey 08873
(732) 390-5858

MARCH 2023

CERTIFICATION

For each institutional or engineering control identified for the site, I certify that all of the following statements are true:

(a) the institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by DER;

(b) nothing has occurred that would impair the ability of such control to protect public health and the environment;

(c) nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control; and

(d) access to the site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control.

Michael W. Wellet
Professional Engineer, State of NY
License No. 081403-1

3/29/23
Date

FORMER DEXTER CHEMICAL SITE
BRONX, NEW YORK
PERIODIC REVIEW REPORT
MARCH 2023

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VOC Groundwater Results – 2016-2017 Semi-Annual Sampling (4 Total Events Per NYSDEC-Approved SMP)

ATTACHMENTS

Attachment 1

Site Management Periodic Review Report Institutional and Engineering Controls Certification Forms

Attachment 2

Annual Monitoring Report Form for Institutional & Engineering Controls - Field Form

FORMER DEXTER CHEMICAL SITE
BRONX, NEW YORK
PERIODIC REVIEW REPORT
MARCH 2023

1.0 EXECUTIVE SUMMARY AND SITE OVERVIEW

Dexter Chemical, LLC completed a Remedial Action at the former Dexter Chemical site located at 819-845 Edgewater Road and 810-842 Whittier Street, Bronx, New York (the Site) under the New York State Department of Environmental Conservation's (NYSDEC) Voluntary Cleanup Program (VCP). The Site was remediated in accordance with the Voluntary Cleanup Agreement (VCA) Site #V00186-2, Index #W2-0864-03-08, which was executed on December 3, 2003.

The Site is located in the County of Bronx, (New York City), New York and is identified as 819-845 Edgewater Road, (Block 2762, Lots 294, 299 and 300) and 810-842 Whittier Street, (Block 2762, Lots 257 and 272) on the Bronx, New York City Tax Map. The Site is bounded by an industrial/commercial lot to the north, a commercial lot to the south, Edgewater Road to the east, and Whittier Street to the west. Maps showing the site features are presented on the Figures and in the Attachments of this report.

Under the approved Remedial Action Workplan (RAW) for the Site, a remedial action Soil Vapor Extraction / Air Sparging (SVE/AS) treatment system was constructed to treat soil and groundwater impacted by volatile organic compounds (VOCs) at two areas of concern on the Site. The system was completed and tested in 2009 and operated continuously from that time through the spring of 2012. Post-treatment soil and groundwater sampling indicated the system met the goals of the RAW. NYSDEC subsequently approved the decommissioning of the SVE/AS system in August 2013, and all system points and wells not needed for ongoing monitoring were subsequently sealed.

All reports of the remedial action, including quarterly progress reports, were submitted to and retained by NYSDEC's Region 2 office located at 41-40 21st Street, Long Island City, New York in both hard copy and electronic formats.

The Site was sold to Edgewater Realty, LLC (current Owner) in May 2007. A Declaration of Covenants and Restrictions (DCR) for the Site was executed by Edgewater Realty, LLC (Owner) on September 6, 2012, and filed with the County Clerk on September 26, 2012. The County Recording Identifier Number for the DCR filing is 2013022501222001001E6657. The DCR was filed to act as an Institutional Control (IC) to manage residual contamination remaining at the Site in accordance with a Site Management Plan.

Following completion of active remediation under the VCA, subsurface residual contamination remained at the former Dexter site largely as a result of the property having been raised in elevation decades earlier by the use of contaminated historic fill containing compounds such as metals, VOCs and semi-volatile organic compounds (SVOCs). A Site Management Plan (SMP) was developed to manage residual contamination at the site in perpetuity or until extinguishment of the Declaration of Covenants and Restrictions in accordance with the VCA.

The entire site is covered with an impermeable composite cap "Cover System" consisting of asphalt-covered roads and areas, concrete-covered sidewalks and areas and concrete building slabs and floors.

This Cover System acts as the engineering control (EC) and permanent Site remedy across the entire restricted property to prevent human contact with the subsurface residual contamination.

Dexter Chemical, LLC's final Site Management Plan was submitted to NYSDEC in March 2015. The SMP was subsequently approved by NYSDEC on March 23, 2015. Dexter also submitted a Final Engineering Report (FER) summarizing all environmental remediation work conducted at the Site. The NYSDEC approved the FER in December 2015. Pursuant to the VCA, NYSDEC issued the final Release and Covenant Not to Sue for the Site on December 30, 2015.

On March 30, 2017, Edgewater Realty, LLC submitted their 1st Annual Periodic Review Report (PRR) to the NYSDEC which summarized work conducted at the Site, and/or reported to the NYSDEC over the reporting period of December 1, 2015 through March 2, 2017. This report included (as attachments) the previously submitted March 2016 Soil Vapor Monitoring Report, the August 2016 1st Semi-annual Groundwater Sampling Interim Progress Report and the January 2017 2nd Semi-annual Groundwater Sampling Interim Progress Report. The NYSDEC approved this 1st Annual PRR on May 5, 2017.

On March 27, 2018, Edgewater Realty, LLC submitted their 2nd Annual PRR summarized work conducted at the Site, and/or reported to the NYSDEC over the reporting period of March 2, 2017 through March 2, 2018. The report included the final two (2) required rounds of ground water sampling at the site (per the SMP) conducted in May and December 2017. The NYSDEC approved this 2nd Annual PRR on May 18, 2018.

On March 26, 2019 (revised May 24, 2019), Edgewater Realty, LLC submitted their 3rd Annual PRR summarized work conducted at the Site, and/or reported to the NYSDEC over the reporting period of March 2, 2018 through March 2, 2019. The report included the annual cap inspection and included discussion of the monitoring well abandonments and NYSDEC's desire to keep the wells for their PFAS study. A waiver for Edgewater to not conduct this sampling was accepted

by the NYSDEC, and the wells have remained unsealed. The NYSDEC approved this 3rd Annual PRR on May 24, 2019.

On March 25, 2020 (revised March 26, 2020), Edgewater Realty, LLC submitted their 4th Annual PRR summarized work conducted at the Site, and/or reported to the NYSDEC over the reporting period of March 2, 2019 through March 2, 2020. The report included the annual cap inspection and included further discussion of the monitoring well abandonments and NYSDEC's desire to keep the wells for their PFAS study. The NYSDEC approved this 4th Annual PRR on September 28, 2020. In this letter NYSDEC approved the sealing of onsite monitoring wells MW-3, MW-7 and MW-11 while requested sidewalk/off-site monitoring wells PZ-3, PZ-4 and MW-6 remain open.

Between submittal of the 2020 PRR and this PRR, Edgewater Realty, LLC changed its listings as Tenant in Common LLCs 10454 LLC & 10454 LLC. The ownership of the property remains the same.

This 5th PRR (now submitted triennially beginning after 4th annual report) summarizes work conducted at the Site, and/or reported to the NYSDEC over the reporting period of March 2, 2020 through March 2, 2023. In accordance with the SMP, the following work, presented herein, was completed over the above-mentioned review period:

- A review of required Site IC's, and annual Site-Wide inspections (conducted February 2021, 2022 and 2023) of the EC Cover/Cap System, including inspection, in accordance with the SMP, was completed to confirm:

    1. No vegetable gardens and farming are present/conducted on the controlled property;

    2. No groundwater underlying the property is being used;

    3. No disturbance / excavation of residual contaminated material / soil has been conducted;

    4. The Controlled Property is only being used for commercial or industrial purposes;

    5. The Controlled Property is not being used for residential purposes;

    6. Compliance with the DCR by the Grantor and the Grantor's successors and assigns with all elements of the SMP;

7. All EC's are operated and maintained as specified in the SMP;

8. Engineering Controls have not been damaged, disturbed or removed; and

9. All onsite monitoring devices (i.e. monitoring wells) are protected and maintained.

Based on the IC and EC review and inspections, no areas of non-compliance with the SMP or DCR were identified.

Also, pursuant to the approved SMP, the required four (4) post treatment semiannual groundwater sampling events (May and November of 2016 and May and December of 2017) have been completed and no further groundwater sampling is required for this Site. This was reported in the 2018 PRR, which was approved by the NYSDEC.

Therefore, <u>no</u> changes to the SMP, frequency of site inspection or monitoring, sampling or review of IC compliance or EC inspection, or frequency of PRR submission are recommended.

Of note, as per the provisions of the SMP, upon completion of the ground water sampling, all monitoring wells are to be sealed. However, as part of their emerging contaminants case study, NYSDEC requested some of the wells be sampled for 1,4-dioxane and per- and polyfluoroalkyl substances (PFAS). Edgewater Realty, LLC submitted a waiver request for the sampling which was approved by NYSDEC in December 2018. In their September 28, 2020 PRR Approval Letter, NYSDEC approved the sealing of onsite monitoring wells MW-3, MW-7 and MW-11. The off-site/sidewalk wells PZ-3, PZ-4 and MW-6 are to remain open for NYSDEC's study. 10454 LLC & 10454 LLC will purse the sealing of the last three remaining onsite wells.

**Prior PRR submittals included copies of the final approved Site Management Plan and final approved Final Engineering Report on CD for ease of reference. Since submittals are now electronic only, Whitman can upload copies of these reference reports to NYSDEC's FTP site if requested.

2.0 <u>INSTITUTIONAL CONTROL (IC) / ENGINEERING CONTROL (EC) PLAN COMPLIANCE REPORT</u>

This section summarizes compliance with the SMP-required ICs and ECs applicable to the Site. Compliance with the ICs and ECs were verified over the reporting period (March 2, 2020

through March 2, 2023) via a site-wide annual inspections conducted across the entire property in February 2021, 2022 and 2023, and through interview and discussion with the property owner.

Certification forms verifying compliance with the ICs and ECs for the property are provided in ***Attachment 1 - Site Management Periodic Review Report Institutional and Engineering Controls Certification Forms.*** Certification is provided by the Owner of the Property, Michelle Tivnan, of 10454 LLC & 10454 LLC, and the New York State Certifying Professional Engineer, Michael W. Wellet, P.E., C.P.E.

The annual SMP field inspection form verifying the site-wide inspection conducted in February 2021, 2022 and 2023 is provided in ***Attachment 2 - Annual Monitoring Report Form for Institutional & Engineering Controls - Field Form.***

2.1 Institutional Control (IC) and Engineering Control (EC) Compliance and Remedy Protection and Effectiveness

Compliance with the ICs and ECs applicable to the Site are conducted through compliance with the SMP and the DCR filed for the property. The ICs and ECs in place at the Site represent the permanent Site remedies. As detailed below in this Section, this permanent Site remedy has been effective and is protective of human health and the environment.

2.2 Institutional and Engineering Controls

A series of Institutional Controls are required under the RAWP to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent and/or regulate future exposure to residual contamination by controlling disturbances of the subsurface contamination; and, (3) restrict the use of the Site to commercial and industrial uses only. Adherence to these Institutional Controls on the Site (Controlled Property) is required under the DCR and are implemented under the Site Management Plan. These Institutional Controls are:

- Compliance with the DCR by the Grantor and the Grantor's successors and assigns with all elements of this SMP. The Site, nor any portions of the Site were sold during the reporting period, verifying compliance with this requirement.

- All Engineering Controls must be operated and maintained as specified in this SMP. The entire site is covered with an impermeable composite cap “Cover System” (the only Site EC) consisting of asphalt-covered roads and areas, concrete-covered sidewalks and areas and concrete building slabs and floors. No significant breaches or cracks requiring immediate repairs were identified during the annual February 2021, 2022 and 2023 inspections. Therefore, the EC continues to provide protection of human health to

prevent contact with subsurface impacted material, verifying compliance with this requirement.

- A composite cover system consisting of asphalt covered roads, concrete covered sidewalks, and concrete building slabs must be inspected, certified and maintained as required in the SMP. As mentioned in the above bullet, the composite cover system has been maintained in accordance with the SMP, verifying compliance with this requirement.

- Engineering Controls may not be disturbed or damaged, except as permitted by this SMP, the DCR, or as permitted or required by NYSDEC. No disturbance to the EC "Cover System" was noted or identified over the reporting period, verifying compliance with this requirement.

- All Engineering Controls on the Controlled Property must be inspected and certified at a frequency and in a manner defined in the SMP. Pursuant to the SMP, the EC composite "Cover System" was inspected and certified over the reporting period, verifying compliance with this requirement.

- Groundwater, soil vapor and other environmental or public health monitoring must be performed as defined in this SMP. The groundwater sampling requirement has been fulfilled and approved by the NYSDEC, verifying compliance with this requirement.

- Data and information pertinent to Site Management for the Controlled Property must be reported to NYSDEC at the frequency and in a manner defined in this SMP. No other data, information or reporting triggers not already discussed were required over the reporting period, verifying compliance with this requirement.

- All ECs and all on-Site environmental monitoring devices, including but not limited to, groundwater monitoring wells and soil vapor probes, must be protected, maintained, repaired and replaced as necessary to ensure the ECs and devices function in the manner specified in this SMP. The Site-wide monitoring wells were inspected in February 2023, and any minor repairs were promptly completed as required, verifying compliance with this requirement.

- Engineering Controls may not be removed or otherwise discontinued without an amendment or the extinguishment of the DCR. No ECs (the Site-wide Cover System) were removed or disturbed over the reporting period, verifying compliance with this requirement.

2.3 Adherence to Institutional and Engineering Controls

The Site (Controlled Property) has a series of Institutional Controls in the form of Site use restrictions. Adherence to these Institutional Controls is required by the DCR. Site restrictions that apply to the Controlled Property are:

- Vegetable gardens and farming on the Controlled Property are prohibited. No farming or gardens were identified on the property during the Site-wide inspections in February 2021, 2022 and 2023 verifying compliance with this requirement.

- The use of the groundwater underlying the Controlled Property is prohibited without treatment rendering it safe for intended purpose, except for investigation or remediation. No groundwater is being used at the Site based on the February 2021, 2022 and 2023 inspections, verifying compliance with this requirement.

- All future activities on the Controlled Property that will disturb residual contaminated material are prohibited unless they are conducted in accordance with the soil management provisions in this SMP. No residual contaminated material was removed or disturbed over the reporting period, verifying compliance with this requirement.

- The Controlled Property may only be used for commercial and industrial use, provided that the long-term Engineering and Institutional Controls included in this SMP are employed. No residential Site-use was observed during the February 2021, 2022 and 2023 Site-wide inspections, and the ECs and ICs are in-place and employed at the Site. No ECs (the Site-wide Cover System) were removed or disturbed over the reporting period, verifying compliance with this requirement.

- The Controlled Property may not be used for a higher level of use, such as restricted residential use without an amendment or the extinguishment of this Declaration of Covenants and Restrictions. No residential Site-use was observed during the February 2021, 2022 and 2023 Site-wide inspections, verifying compliance with this requirement.

- Grantor agrees to submit periodically (annually in the Site Management Plan Report) to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitutes a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an

alternate period of time that NYSDEC may allow. This certification must be provided by an expert or professional assigned by the then owner of the site, (the "Remedial Engineer") and this annual statement must be certified by an expert that the NYSDEC finds acceptable or is otherwise authorized by applicable law.

Based on the Site-wide inspections conducted in February 2021, 2022 and 2023, the EC employed at the property remained unchanged from the previous certification. Nothing has occurred which impairs the ability of the Site-wide EC "Cover System" to protect the public health and environment or that constitutes a violation or failure to comply with the SMP. NYSDEC access is available. The certification forms have been submitted (annually) within this report by the Owner and P.E., (see ***Attachment 1 - Site Management Periodic Review Report Institutional and Engineering Controls Certification Forms).*** The items mentioned in this paragraph verify compliance with this requirement.

2.4 IC and EC Compliance Plan Conclusions and Recommendations

As detailed above, based on a review of the ICs and ECs applicable to the Site under the SMP, compliance with the SMP is verified for this reporting period.

3.0 MONITORING PLAN COMPLIANCE REPORT

As reported in the (previous) 2018 PRR, 2019 PRR and 2020 PRR, the groundwater monitoring requirement set forth in the SMP of four (4) post-treatment semiannual groundwater sampling events have been completed, whereas the results did not indicate the necessity for continued monitoring. Per the terms of the SMP and NYSDEC approval of the 2018, 2019 and 2020 PRRs, no groundwater sampling was required at the Site for the reporting period of March 2, 2020 through March 2, 2023; and no further groundwater sampling is required moving forward. Therefore, the monitoring compliance requirement has been satisfied.

4.0 SUMMARY OF PREVIOUS SITE ACTIVITIES AND SAMPLING

As a summary for reference, the following investigations have been conducted on the property prior to this current reporting period of March 2, 2020 to March 2, 2023. The primary activities included soil and groundwater remediation and ground water monitoring.

Historic groundwater sampling results showed select VOCs above the NYSDEC Groundwater Standards (GWS) in two distinct areas of the property identified as Area A and Area I. A SVE/AS system was installed across the property to mitigate the subsurface VOC impacts.

The SVE/AS system began full-time operation starting with Area A in September 2009. In March 2011 when asymptotic levels were reached in Area A, the SVE/AS system in Area I was activated. In December 2011, asymptotic levels were reached in Area I. As per the draft SMP, the entire system operated for another three months and was fully shut down in March 2012.

From initiation of the system and during the system operation, groundwater samples were collected from monitoring wells in both areas to monitor the efficacy of the system. The Area A wells included MW-6, MW-8, PZ-3, PZ-4 and SVE/RW-5 and the Area I wells included MW-3, MW-7, MW-11 and SVE/RW-13I. The groundwater results during system operation showed a general decrease in the VOCs of concern. After the full system shut down in March 2012, two quarters of groundwater samples were collected. These results continued to show an overall reduction in VOC concentrations except for in PZ-4. In April 2013, after a baseline round of groundwater samples were collected in PZ-4 and the wells in Area I, a one-time bioremediation injection was conducted at PZ-4. Subsequent groundwater sampling events at PZ-4 showed the injection was successful in reducing the VOC concentrations.

Whitman prepared a final Site Management Plan and a Final Engineering Report which were approved by NYSDEC in 2015. The SMP included IC and EC compliance, and four (4) rounds (only) of semi-annual groundwater monitoring in 2016 and 2017.

As part of the final approved SMP, the first two rounds (of four (4)) of the final required semi-annual groundwater monitoring events were conducted in May and November 2016. MW-6, PZ-3 and PZ-4 of Area A and MW-3, MW-7 and MW-11 of Area I were included in the monitoring. The results of the 2016 groundwater sampling were consistent with the prior post-remediation sampling results.

As part of the final approved SMP, the final two rounds (of four (4)) of the final required semi-annual groundwater monitoring events were conducted in May and December 2017. MW-6, PZ-3 and PZ-4 of Area A and MW-3, MW-7 and MW-11 of Area I were included in the monitoring. The results of the 2017 groundwater sampling were consistent with the prior post-remediation sampling results.

5.0 OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS

In accordance with the SMP, this 5th Periodic Review Report (PRR) summarized the work conducted at the Site over the reporting period of March 2, 2020 through March 2, 2023.

5.1 Conclusions and Recommendations Regarding IC and EC Plan Compliance

A review of required Site IC's, and annual Site-Wide inspections (conducted in February 2021, 2022 and 2023) of the EC Cover/Cap System, including inspection, in accordance with the SMP, was completed and confirmed that:

1. No vegetable gardens and farming are present/conducted on the controlled property;
2. No groundwater underlying the property is being used;
3. No disturbance / excavation of residual contaminated material / soil has been conducted;
4. The Controlled Property is only being used for commercial or industrial purposes;
5. The Controlled Property is not being used for residential purposes;
6. Compliance with the DCR by the Grantor and the Grantor's successors and assigns with all elements of the SMP;
7. All EC's are operated and maintained as specified in the SMP;
8. Engineering Controls have not been damaged, disturbed or removed; and
9. All onsite monitoring devices (i.e. monitoring wells) are protected and maintained.

Based on the IC and EC review and inspections, no areas of non-compliance with the SMP or DCR were identified. Therefore, no changes to the SMP, frequency of site inspection or monitoring, review of IC compliance or EC inspection, or frequency of PRR submission are recommended.

5.2 Conclusions and Recommendations Regarding Monitoring Plan Compliance

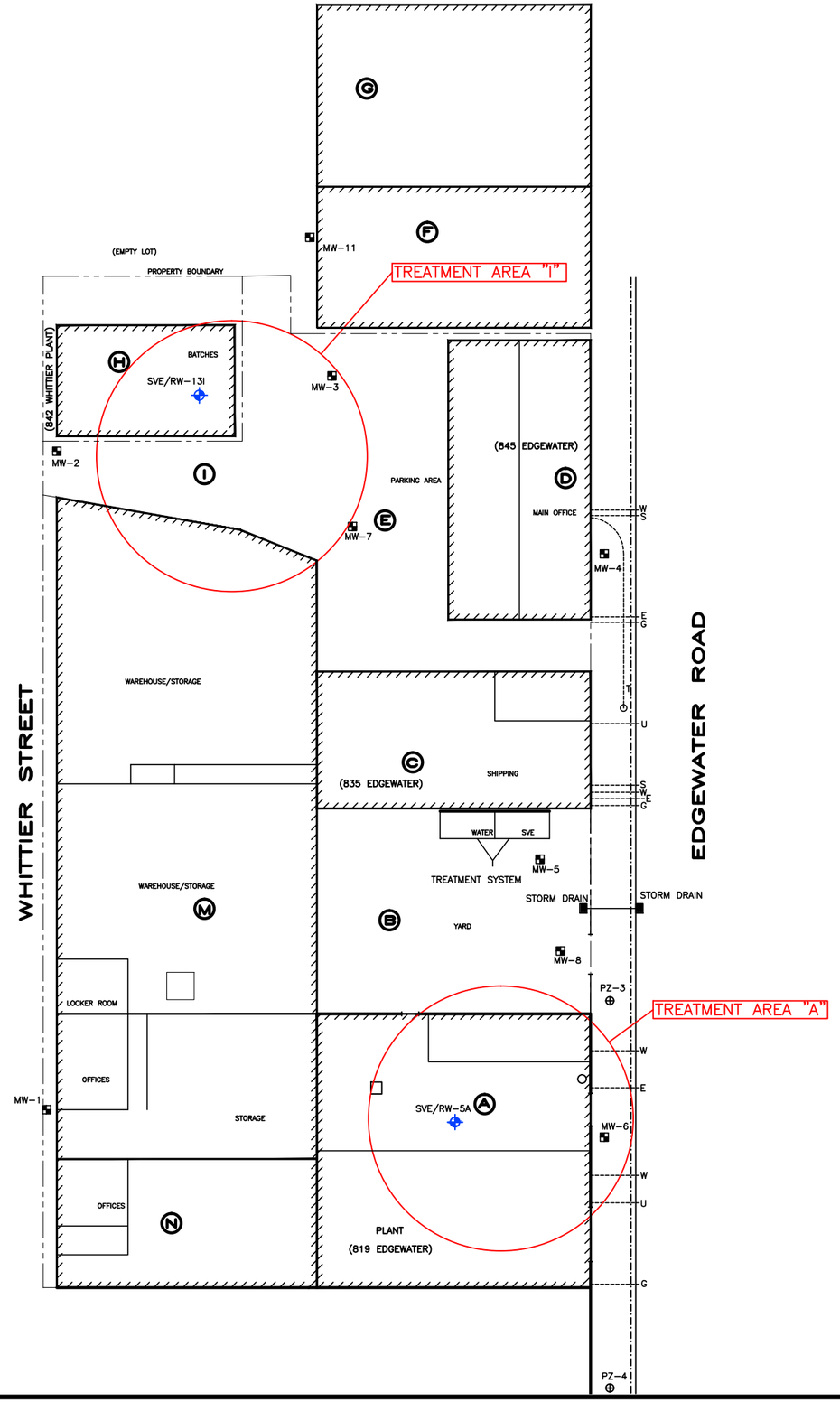
The 2018 PRR summarized the IC and EC inspection and the final groundwater sampling required by the SMP and the 2019 PRR and 2020 PRR summarized the IC and EC inspection. The NYSDEC approved the 2018, 2019 and 2020 PRRs, and no further monitoring was or is required. Therefore, the monitoring plan compliance aspect was and remains fully satisfied.

Per the approved SMP, no further groundwater monitoring is warranted and only the annual IC and EC inspections will be required.

Although the groundwater monitoring requirement has been fulfilled and the six (6) remaining monitoring wells were to be sealed per the SMP, the NYSDEC had previously requested the wells not be sealed as part of their emerging contaminants case study. As previously stated, NYSDEC approved Edgewater's waiver request to seal all remaining monitoring wells in 2018. As of September 2020, NYSDEC has requested off-site/sidewalk wells PZ-3, PZ-4 and MW-6 to remain open as part of their study. The last three remaining onsite wells MW-3, MW-7 and MW-11 were approved to be sealed. 10454 LLC & 10454 LLC will pursue the sealing of these onsite wells.

The next PRR is due in April 2026.

Figures



AREA/BUILDING

- A — 819 EDGEWATER ROAD
- B — OPEN YARD
- C — 835 EDGEWATER ROAD
- D — 845 EDGEWATER ROAD
- E — PARKING AREA
- F — 849 EDGEWATER ROAD
- G — 855 EDGEWATER ROAD
- H — 842 WHITTIER STREET
- I — ROADWAY
- M — 810 WHITTIER STREET
- N — 820 WHITTIER STREET

SCALE
0 50'

LEGEND

- A — BUILDING IDENTIFICATION TAG
- B — AREA IDENTIFICATION TAG
- MW-1 — GROUND WATER MONITORING WELL LOCATION
- SVE/RW-5A — GROUND WATER RECOVERY WELL LOCATION
- ———— — PROPERTY BOUNDARY

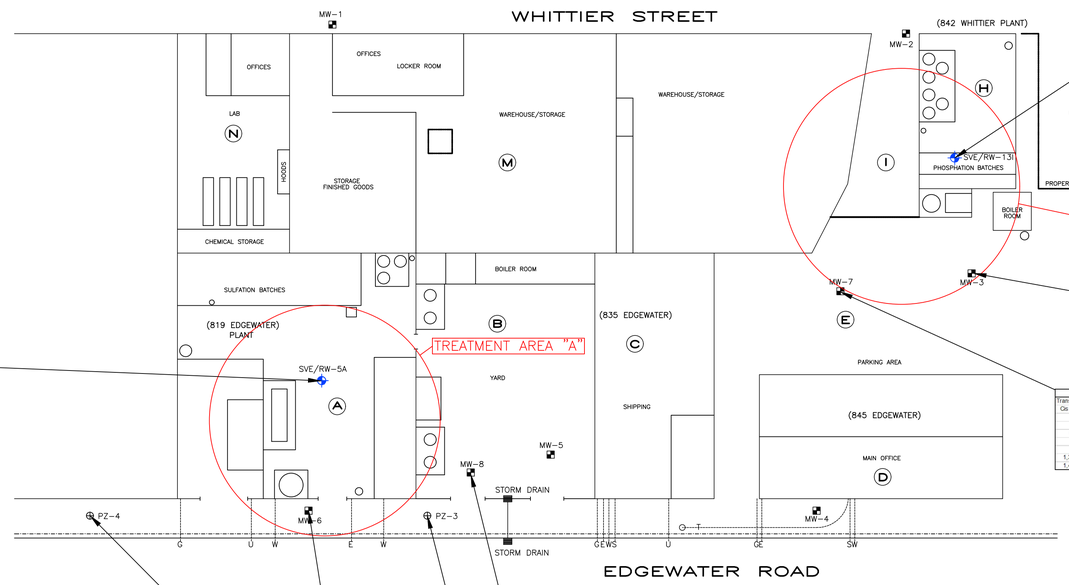
WHITMAN
CERTIFICATE OF AUTHORIZATION No. 24GA28009800

DEXTER CHEMICAL LLC
BRONX, NEW YORK

SITE PLAN

PROJECT MANAGER:	DRAWN BY:	PROJECT NO:
I.W.	C.A.	97-09-10
CHECKED BY:	DATE:	FIGURE NO:
M.L.	JAN 2013	1

Z:\WHITMAN\1997\97-09-10\Jan 2013\970910 - Fig 1 - Site Map.dwg



SVE/RW-13I	7/26/2010	10/27/2010	4/21/2011	8/3/2011	10/21/2011	1/11/2012	4/11/2012	7/18/2012	10/23/2012	4/2/2013
Cis 1,2 Dichloroethene	ND	ND	**120**	ND	ND	**24**	**16**	**43**	**53**	**34**
Ethylbenzene	ND	ND	**140**	ND	ND	ND	ND	ND	ND	ND
Xylene	**3700**	**560**	**1020**	**13**	**51**	**23**	**12**	**59**	**80**	**108**
1,4 Dichlorobenzene	ND	ND	**180**	ND	ND	ND	**6.7**	**14**	**29**	**26**
1,2 Dichlorobenzene	ND	ND	**180**	ND	ND	ND	**6.7**	**11**	**12**	<20
1,2,4 Trichlorobenzene	ND	ND	ND	**33**	ND	ND	ND	**12**	ND	ND

SVE/RW-5A	7/26/2010	10/27/2010	1/28/2011	8/2/2011	10/20/2011	1/10/2012	4/10/2012	7/17/2012
Cis 1,2 Dichloroethene	ND	ND	ND	1.8	1.7	**12**	ND	ND
1,2-Dichloropropane	**23**	ND	ND	**1.9**	**1.5**	ND	ND	ND
Benzene	**3.8**	ND	ND	**1.2**	**1.2**	ND	ND	**1.4**
PCE	ND	ND	ND	ND	ND	**51**	ND	1
Toluene	**13**	ND	ND	2.8	2.4	2.4	ND	2.6
Chlorobenzene	**71**	**17**	1.7	**16**	**20**	**19**	**24**	**26**
Ethylbenzene	**26**	ND	ND	**11**	**9.3**	**10**	**7.5**	**4.7**
Xylene	**290**	**34**	ND	**27**	**26**	**27**	**25**	**22.5**
1,3 Dichlorobenzene	**14**	ND	ND	**4.1**	**4.2**	ND	ND	**5**
1,4 Dichlorobenzene	**42**	ND	ND	**9.7**	**9.6**	ND	**11**	**11**
1,2 Dichlorobenzene	**23**	ND	ND	**4.7**	**4.6**	ND	ND	**5.4**

MW-11	10/26/2010	4/21/2011	8/3/2011	10/21/2011	1/11/2012	4/11/2012	7/18/2012	10/23/2012	4/2/2013	5/25/2016	11/1/2016	5/23/2017	12/7/2017
Chlorobenzene	ND	ND	ND	1.1	ND	ND	1.4	ND	ND	0.513	0.512	ND	0.507
Ethylbenzene	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene	ND	4.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	0.59	ND	0.653 J	0.691	0.732	0.463

MW-3	3/20/1998	9/27/2000	10/29/2010	4/20/2011	10/21/2011	1/11/2012	4/11/2012	7/18/2012	10/23/2012	4/2/2013	5/25/2016	11/1/2016	5/23/2017	12/7/2017
Cis 1,2 Dichloroethene	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.9	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**6.3**	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**12**	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene	**110**	**16**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4 Dichlorobenzene	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4 Trichlorobenzene	4.8	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MW-7	9/27/2000	10/28/2009	4/30/2010	10/25/2010	4/20/2011	8/3/2011	10/21/2011	1/11/2012	4/11/2012	7/18/2012	10/23/2012	4/2/2013	5/25/2016	11/1/2016	5/23/2017	12/7/2017
Trans-1,2 Dichloroethene	ND	0.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis 1,2 Dichloroethene	3.5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.453 J	ND	ND
Benzene	**1.7**	**3.4**	ND	**5.8**	ND	**1.7**	1	ND	ND	ND	ND	1	0.86	ND	0.947	ND	ND
Toluene	0.5	0.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	**35**	**27**	**24**	**31**	**17**	**15**	**11**	4.3	**6.1**	**6.6**	**16**	**8.7**	**6.44**	**6.19**	**6.23**	**6.21**
Ethylbenzene	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene	**15**	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.21	ND	ND	ND
1,3 Dichlorobenzene	1.4	NA	ND	1.9	ND	1.1	ND	ND	ND	ND	0.93	ND	ND	0.422 J	0.402	ND
1,4 Dichlorobenzene	2.9	NA	ND	**3.2**	ND	2.4	1.3	ND	ND	1.8	2.5	2	0.726 J	0.751	0.769	0.656

PZ-4	1/22/2002	12/3/2002	10/28/2009	4/30/2010	10/27/2010	1/28/2011	4/19/2011	8/2/2011	10/20/2011	1/10/2012	4/10/2012	7/17/2012	4/2/2013	4/26/2013	5/16/2013	6/6/2013	5/25/2016	11/1/2016	5/23/2017	12/7/2017
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.27**	ND	
Cis 1,2 Dichloroethene	**22**	**38.9**	**15**	**28**	**64**	**23**	**73**	**46**	**43**	**42**	ND	ND	**19**	<20	**13**	**17**	**35**	**52.9**	**22.0 D**	**26.2**	**23.1**
1,2-Dichloropropane	**280**	**290**	**81**	**160**	**350**	**150**	**350**	**330**	**220**	**260**	**110**	**140**	**84**	**76**	**99**	**120**	ND	ND	**83**	**78.9**	
TCE	4	3.8	2.3	ND	ND	ND	**6**	**6.1**	ND	ND	ND	ND	ND	ND	ND	ND	1.71 DJ	1.71 DJ	1.02	ND	
Benzene	**6.6**	**9.75**	**6.2**	**9.6**	**18**	**8**	**2.5**	**19**	**11**	**14**	ND	**7.6**	<10	**7.2**	**8.6**	**11**	**19.8 D**	**5.26 D**	**6.61**	**5.06**	
PCE	ND	1.58	1.4	ND	ND	1.5	**5.1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.18 DJ	1.03 D	0.956	ND	
Toluene	**55**	**68.8**	**22**	**34**	**78**	**37**	**53**	**68**	**71**	**96**	**51**	**52**	**58**	**46**	**55**	**68**	**71.2 D**	**36.8 D**	**54.1**	**46.2**	
Chlorobenzene	ND	ND	0.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethylbenzene	**230**	**195**	**120**	**210**	**360**	**170**	**390**	**310**	**330**	**360**	**260**	**200**	**270**	**200**	**220**	**340**	**269 D**	**190 D**	**294**	**209**	
Xylene	**1600**	**1280**	**810**	**760**	**1620**	**680**	**1980**	**990**	**1560**	**1730**	**1020**	**1110**	**1570**	**1200**	**1320**	**2040**	**1610 D**	**1340 D**	**2020**	**1330**	
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.48 D	**48.7**	**39.1**	
1,4 Dichlorobenzene	ND	0.693	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**7.9**	ND	**14**	**12.5 D**	**8.94 D**	1.79	ND	
1,2 Dichlorobenzene	**5.1**	**4.13**	NA	**5.6**	**11**	**6.9**	**8.6**	**13**	**9.5**	ND	ND	**8.3**	<20	ND	NA	NA	**50.2**	**30.8**	**10.3**	**8.56**	

MW-8	9/27/2000	10/25/2010	1/28/2011	4/19/2011	8/2/2011	10/20/2011	1/10/2012	2/22/2012	4/10/2012	7/17/2012
Cis 1,2 Dichloroethene	ND	ND	ND	ND	ND	ND	**17**	ND	ND	ND
TCE	ND	ND	ND	ND	ND	ND	14	ND	ND	ND
Benzene	0.6	ND	0.83	0.68	ND	ND	ND	ND	ND	0.54
PCE	ND	ND	ND	ND	ND	ND	**77**	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	1.2	ND	ND	ND	1.1
Ethylbenzene	ND	**11**	ND	ND	ND	1.7	ND	ND	ND	1.3
Xylene	1.4	**73**	**11.8**	**8.5**	**14**	**17.5**	**13**	**43**	**24**	**19.4**

MW-6	3/26/1998	9/27/2000	1/22/2002	12/3/2002	10/28/2009	4/30/2010	10/26/2010	1/27/2011	4/19/2011	8/2/2011	10/20/2011	1/10/2012	4/10/2012	7/17/2012	5/25/2016	11/1/2016	5/23/2017	12/7/2017
Cis 1,2 Dichloroethene	**26**	**18**	**26**	3.19	**5.7**	3.5	**8.4**	1.3	ND	ND	ND	ND	4	3.2	ND	ND	ND	ND
Chloroform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**13.1**	ND
1,2-Dichloropropane	**38**	**65**	**94**	**7.17**	**9.7**	**9.7**	**16**	**1.6**	**1.4**	ND	ND	ND	**2.1**	**1.1**	ND	ND	ND	ND
TCE	ND	1.8	2.5	0.488	0.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	**35**	**31**	**27**	**7.34**	**12**	**13**	**24**	**6.4**	**1.7**	ND	ND	0.83	**6.9**	**6.4**	ND	ND	ND	ND
PCE	ND	0.4	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**51**	**34**	**73**	**6.06**	**14**	**16**	**31**	2.4	2.4	ND	ND	ND	**6.3**	4.2	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	0.578	1.6	1.2	2.2	2.2	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**150**	**39**	**88**	**9.98**	**25**	**28**	**56**	**8.4**	2.9	ND	ND	ND	**7.3**	3.8	ND	ND	ND	ND
Xylene	**530**	**160**	**470**	**37**	**150**	**157**	**280**	**23**	**11.8**	ND	ND	ND	**37**	**28**	ND	ND	ND	ND
1,3 Dichlorobenzene	ND	1.6	ND	0.937	NA	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4 Dichlorobenzene	ND	**4.4**	**4.8**	**5.79**	NA	**6.6**	**10**	2.6	1.7	ND	ND	ND	2.6	2.9	ND	ND	ND	ND
1,2 Dichlorobenzene	ND	**7.6**	**9.1**	**2.54**	NA	**8.4**	**12**	1.6	1.1	ND	ND	ND	2.1	2.0	ND	ND	ND	ND
1,2,4 Trichlorobenzene	**24**	**14**	**11**	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

PZ-3	1/22/2002	10/28/2009	4/30/2010	10/25/2010	1/27/2011	4/19/2011	8/2/2011	10/20/2011	1/10/2012	2/22/2012	4/10/2012	7/17/2012	5/25/2016	11/1/2016	5/23/2017	12/7/2017
Cis 1,2 Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	**36**	ND	ND	ND	ND	ND	ND	ND
TCE	ND	ND	ND	ND	ND	ND	ND	ND	**27**	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	0.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.42 DJ**	**1.95 D**	ND	ND
PCE	ND	ND	ND	ND	ND	ND	ND	ND	**140**	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9 D	1.77 D	0.506	ND
Chlorobenzene	ND	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	**15**	ND	ND	ND	**6.1**	ND	ND	**10**	ND	**7.79 D**	**6.06 D**	1.23	3.31
Xylene	ND	ND	ND	ND	**7.6**	4.1	**54**	**27**	**13**	**27**	**64**	**83**	**65.2 D**	**34.5 D**	9.44	**27.9**
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10.2**	**7.74**	1.74	**5.49**

SCALE
0 30'

LEGEND

(A) – AREA IDENTIFICATION TAG

MW-1 – GROUND WATER MONITORING WELL LOCATION

SVE/RW-5A – GROUND WATER RECOVERY WELL LOCATION

Notes:
All results are in µg/L
Bold - Above NYSDEC Ground Water Standards/Criteria (GWSC)
ND - Not Detected
TCE - Trichloroethene
PCE - Tetrachloroethene
J - Estimated Value
D - Diluted

TARGETED VOLATILE COMPOUNDS	1998 NYSDEC GROUND WATER STANDARDS
Cis 1,2 Dichloroethene	2*
Chloroform	7
1,2-Dichloropropane	1
Benzene	1
PCE	5*
Toluene	5*
Chlorobenzene	5*
Ethylbenzene	5*
Xylene	5*
1,3 Dichlorobenzene	3
1,4 Dichlorobenzene	3
1,2 Dichlorobenzene	3
TCE	5*
Isopropylbenzene	5*
1,2,4 Trichlorobenzene	5

GROUND WATER SAMPLE LOCATIONS WITH VOC RESULTS (1998-2018)

FORMER DEXTER CHEMICAL LLC

BRONX, NEW YORK

PROJECT MANAGER	ED HUSS

WHITMAN
CERTIFICATE OF AUTHORIZATION
No. 24GA28009600
7 PLEASANT HILL ROAD
CRANBURY, NJ 08512
732-390-5858

SIZE	DRAWN BY	ORIGINAL BY	CHECKED BY	DATE	PROJECT NO.	FIGURE
D	M.E.D.	C.A.	A.P.	FEB 2018	97-09-10AT	2

Z:\WHITMAN\1997\97-09-10\2016\GROUND WATER\970910AT-FIG 2- GROUND WATER SAMPLE LOCATIONS WITH VOC RESULTS (1998-2017).dwg 2/28/18

Tables

TABLE 1

Former Dexter Chemical - Bronx, NY
Historic Volatile Organic Compounds Ground Water Results Summary
1998-2013 (Pre and Post SVE/AS System Install and Injections)

Sample ID Lab Sample Number Sampling Date Units	1998 NYSDEC Ground Water Standards ug/l	MW-3 51703 3/26/1998 ug/l	MW-3 231799 09/27/00 ug/L	MW-3LF AC55333-008 10/26/10 ug/L	MW-3 AC58579-005 04/20/11 ug/L	MW-3 AC60908-007 10/21/11 ug/L	MW-3 AC63671-007 01/11/12 ug/L	MW-3 AC65251-007 04/11/12 ug/L	MW-3 AC67134-007 07/18/12 ug/L	MW-3 AC68953-003 10/23/12 ug/L	MW-3 AC71580-002 04/02/13 ug/L
TARGETED VOLATILE COMPOUNDS											
Chloromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5*	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	0.9	0.3	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5*	**6.3**	0.4	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5*	ND	0.4	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5*	**12**	1.6	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (Total)	5*	**110**	**16**	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	4.8	3.0	ND	ND	ND	ND	ND	ND	ND	ND
Total Confident Conc. Above Targeted VOAs (s)		134	23.7	0	0	0	0	0	0	0	0

MW-6
460-7298-1 - Samples Collected Following (After May 2009) SVE/AS System Start-Up (Yellow Highlight)

BOLDED - Results above 1998 NYSDEC Ground Water Standards - GA Water Class

ND - None Detected
NS - Not Sampled
NA - Not Analyzed
* - The principal organic contaminant standard for ground water applies to this substance.
** - Guidance Value only.
\- - No Standard
Note - Samples SVE-RW-13I collected on April 2, 2013 contained 26,000 ug/L of acetone.
- Samples PZ-4 collected in 2013 also contained Isopropylbenzene between 36-53 ug/L above the GWS.
- Additional VOCs analyzed at PZ-4 in 2013 not shown on table and were not detected above the GWS.

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1998-2013 (Pre and Post SVE/AS System Install and Injections)

Sample ID Lab Sample Number Sampling Date Units	1998 NYSDEC Ground Water Standards ug/l	MW-6 51705 3/26/1998 ug/l	MW-6 231802 09/27/00 ug/L	MW-6 328632 1/22/02 ug/l	MW-6 9551-003 12/3/02 ug/l	MW-6 460-7298-1 10/28/09 ug/L	MW-6 AC51372-004 04/30/10 ug/L	MW-6 AC55333-012 10/26/10 ug/L	MW-6 AC57037-002 01/27/11 ug/L	MW-6 AC58579-003 04/19/11 ug/L	MW-6 AC60908-004 08/02/11 ug/L
TARGETED VOLATILE COMPOUNDS											
Chloromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5*	**26**	**18**	**26**	3.19	**5.7**	3.5	**8.4**	1.3	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	**38**	**65**	**95**	**7.17**	**9.7**	**9.7**	**16**	**1.6**	**1.4**	ND
cis-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5*	ND	1.8	2.5	0.488	0.54	ND	ND	ND	ND	ND
Dibromochloromethane	50**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	**35**	**31**	**27**	**7.34**	**13**	**13**	**24**	**6.4**	**1.7**	ND
trans-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5*	ND	0.4	0.7	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5*	**51**	**34**	**73**	**6.05**	**14**	**16**	**31**	2.4	2.4	ND
Chlorobenzene	5*	ND	ND	ND	0.578	1.6	1.2	2.2	2.2	2.2	ND
Ethylbenzene	5*	**110**	**39**	**88**	**9.58**	**20**	**28**	**56**	**5.4**	2.9	ND
Xylene (Total)	5*	**630**	**180**	**470**	**37**	**150**	**157**	**280**	**23**	**11.6**	ND
1,3-Dichlorobenzene	3	ND	1.6	ND	0.937	NA	ND	1.2	ND	ND	ND
1,4-Dichlorobenzene	3	ND	**4.4**	**4.6**	**5.79**	NA	**6.6**	**10**	2.6	1.7	ND
1,2-Dichlorobenzene	3	ND	**7.6**	**9.1**	**2.54**	NA	**5.4**	**12**	1.6	1.1	ND
1,2,4-Trichlorobenzene	5	**24**	**14**	**11**	ND	NA	ND	ND	ND	ND	ND
Total Confident Conc. Above Targeted VOAs (s)		914	396.8	808.4	80.66	214.54	240.4	440.8	46.5	25	0

MW-6 460-7298-1 - Samples Collected Following (After May 2009) SVE/AS System Start-Up (Yellow Highlight)

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Historic Volatile Organic Compounds Ground Water Results Summary
1998-2013 (Pre and Post SVE/AS System Install and Injections)

Sample ID Lab Sample Number Sampling Date Units	1998 NYSDEC Ground Water Standards ug/l	MW-6 AC62242-004 10/20/11 ug/L	MW-6 AC63671-004 01/10/12 ug/L	MW-6 AC65251-004 4/10/12 ug/l	MW-6 AC67134-004 7/17/12 ug/l	MW-7 231803 09/27/00 ug/L	MW-7 460-7298-2 10/28/09 ug/L	MW-7 AC51372-003 04/30/10 ug/L	MW-7LF AC55333-005 10/25/10 ug/L	MW-7 AC58579-006 04/20/11 ug/L	MW-7 AC60908-008 08/03/11 ug/L
TARGETED VOLATILE COMPOUNDS											
Chloromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5*	ND	ND	ND	ND	ND	0.24	ND	ND	ND	ND
cis-1,2-Dichloroethene	5*	ND	ND	4	3.2	3.5	1	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	**2.1**	**1.1**	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	0.83	**6.9**	**6.4**	**1.7**	**3.4**	ND	**5.6**	ND	**1.7**
trans-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5*	ND	ND	**6.3**	4.2	0.5	0.35	ND	ND	ND	ND
Chlorobenzene	5*	ND	ND	ND	ND	**35**	**27**	**24**	**31**	**17**	**18**
Ethylbenzene	5*	ND	ND	**7.3**	3.8	0.8	ND	ND	ND	ND	ND
Xylene (Total)	5*	ND	ND	**37**	**28**	**15**	2.6	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	1.4	NA	ND	1.9	ND	1.1
1,4-Dichlorobenzene	3	ND	ND	2.6	2.9	2.9	NA	ND	**3.2**	ND	2.4
1,2-Dichlorobenzene	3	ND	ND	2.1	2	ND	NA	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Total Confident Conc. Above Targeted VOAs (s)		0	0.83		51.6	60.8	34.59	24	41.7	17	23.2

MW-6 460-7298-1 - Samples Collected Following (After May 2009) SVE/AS System Start-Up (Yellow Highlight)

BOLDED - Results above 1998 NYSDEC Ground Water Standards - GA Water Class

ND - None Detected
NS - Not Sampled
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** - Guidance Value only.
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Note - Samples SVE-RW-13I collected on April 2, 2013 contained 26,000 ug/L of acetone.
- Samples PZ-4 collected in 2013 also contained Isopropylbenzene between 36-53 ug/L above the GWS.
- Additional VOCs analyzed at PZ-4 in 2013 not shown on table and were not detected above the GWS.

TABLE 1

Former Dexter Chemical - Bronx, NY
Historic Volatile Organic Compounds Ground Water Results Summary
1998-2013 (Pre and Post SVE/AS System Install and Injections)

Sample ID Lab Sample Number Sampling Date Units	1998 NYSDEC Ground Water Standards ug/l	MW-7 AC62242-008 10/21/11 ug/L	MW-7 AC63671-008 01/11/12 ug/L	MW-7 AC65251-008 04/11/12 ug/L	MW-7 AC67134-008 07/18/12 ug/L	MW-7 AC68953-002 10/23/12 ug/L	MW-7 AC71580-003 04/02/13 ug/L	MW-8LF AC55333-001 10/25/10 ug/L	MW-8 AC57037-005 01/28/11 ug/L	MW-8 AC58579-002 04/19/11 ug/L	MW-8 AC60908-002 08/02/11 ug/L
TARGETED VOLATILE COMPOUNDS											
Chloromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	1	ND	ND	ND	**1**	**0.86**	ND	0.83	0.68	ND
trans-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5*	**11**	4.3	**5.1**	**6.6**	**15**	**5.7**	ND	ND	ND	ND
Ethylbenzene	5*	ND	ND	ND	ND	ND	ND	**11**	2.2	ND	ND
Xylene (Total)	5*	ND	ND	ND	ND	ND	ND	**73**	**13.8**	**8.5**	**14**
1,3-Dichlorobenzene	3	ND	ND	ND	ND	**0.93**	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	1.3	ND	ND	1.8	2.5	2	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Confident Conc. Above Targeted VOAs (s)		13.3	4.3	5.1	8.4	19.43	8.56	84	16.83	9.18	14

MW-6 460-7298-1 - Samples Collected Following (After May 2009) SVE/AS System Start-Up (Yellow Highlight)

BOLDED - Results above 1998 NYSDEC Ground Water Standards - GA Water Class

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Note - Samples SVE-RW-13I collected on April 2, 2013 contained 26,000 ug/L of acetone.
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TABLE 1

Former Dexter Chemical - Bronx, NY
Historic Volatile Organic Compounds Ground Water Results Summary
1998-2013 (Pre and Post SVE/AS System Install and Injections)

Sample ID Lab Sample Number Sampling Date Units	1998 NYSDEC Ground Water Standards ug/l	MW-8 AC62242-002 10/20/11 ug/L	MW-8 AC63671-002 01/10/12 ug/L	MW-8 ac64330-002 2/22/2012 ug/L	MW-8 AC65251-002 04/10/12 ug/L	MW-8 AC67134-002 07/17/12 ug/L	MW-11LF AC55333-007 10/26/10 ug/L	MW-11 AC58579-007 04/21/11 ug/L	MW-11 AC60908-006 08/03/11 ug/L	MW-11 AC62242-006 10/21/11 ug/L	MW-11 AC63671-006 01/11/12 ug/L
TARGETED VOLATILE COMPOUNDS											
Chloromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5*	ND	**17**	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5*	ND	**14**	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	0.54	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5*	ND	**77**	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5*	1.2	ND	ND	ND	1.1	ND	ND	ND	ND	ND
Chlorobenzene	5*	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND
Ethylbenzene	5*	1.7	ND	ND	ND	1.3	ND	1	ND	ND	ND
Xylene (Total)	5*	**17.6**	**13**	**43**	**26**	**19.4**	ND	4.3	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Confident Conc. Above Targeted VOAs (s)		20.5	121	43	26	22.34	0	5.3	0	1.1	0

MW-6 460-7298-1 - Samples Collected Following (After May 2009) SVE/AS System Start-Up (Yellow Highlight)

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Historic Volatile Organic Compounds Ground Water Results Summary
1998-2013 (Pre and Post SVE/AS System Install and Injections)

Sample ID Lab Sample Number Sampling Date Units	1998 NYSDEC Ground Water Standards ug/l	MW-11 AC65251-006 4/11/12 ug/l	MW-11 AC67134-006 7/18/2012 ug/l	MW-11 AC68953-004 10/23/2012 ug/l	MW-11 AC71580-004 04/02/13 ug/l	PZ-3 328630 1/22/02 ug/l	PZ-3 460-7298-3 10/28/09 ug/L	PZ-3 AC51372-002 04/30/10 ug/L	PZ-3 AC55333-004 10/25/10 ug/L	PZ-3 AC57037-001 1/27/11 ug/L	PZ-3 AC58579-001 04/19/11 ug/L
TARGETED VOLATILE COMPOUNDS											
Chloromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	0.28	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5*	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND
Chlorobenzene	5*	1.1	ND	1.4	ND	ND	0.43	ND	ND	ND	ND
Ethylbenzene	5*	ND	ND	ND	ND	ND	ND	ND	**11**	1	ND
Xylene (Total)	5*	ND	ND	ND	ND	1.3	1.3	3.7	**66**	**7.6**	4.1
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	0.59	ND	ND	NA	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Total Confident Conc. Above Targeted VOAs (s)		1.1	0	1.99	0	1.3	2.51	3.7	77	8.6	4.1

MW-6 460-7298-1 - Samples Collected Following (After May 2009) SVE/AS System Start-Up (Yellow Highlight)

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1998-2013 (Pre and Post SVE/AS System Install and Injections)

Sample ID Lab Sample Number Sampling Date Units	1998 NYSDEC Ground Water Standards ug/l	PZ-3 AC60908-001 08/02/11 ug/L	PZ-3 AC62242-001 10/20/11 ug/L	PZ-3 AC63671-001 01/10/12 ug/L	PZ-3 AC64330-001 2/22/2012 ug/L	PZ-3 AC65251-001 4/10/12 ug/l	PZ-3 AC67134-001 7/17/2012 ug/l	PZ-4 328631 1/22/02 ug/l	PZ-4 9551-004 12/3/02 ug/l	PZ-4 460-7298-4 10/28/09 ug/L	PZ-4 AC51372-005 04/30/10 ug/L
TARGETED VOLATILE COMPOUNDS											
Chloromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	1.05	ND	ND
Chloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5*	ND	ND	**36**	ND	ND	ND	**22**	**38.9**	**15**	**28**
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	**280**	**290**	**91**	**160**
cis-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5*	ND	ND	**27**	ND	ND	ND	4	3.8	2.3	ND
Dibromochloromethane	50**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	**6.6**	**9.75**	**6.2**	**9.6**
trans-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5*	ND	ND	**140**	ND	ND	ND	ND	1.98	1.4	ND
1,1,2,2-Tetrachloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5*	ND	1.2	ND	ND	ND	ND	**55**	**58.6**	**22**	**34**
Chlorobenzene	5*	ND	ND	ND	ND	ND	ND	ND	ND	0.41	ND
Ethylbenzene	5*	ND	**5.1**	ND	ND	**10**	ND	**230**	**195**	**120**	**210**
Xylene (Total)	5*	**54**	**27**	**13**	**50**	**64**	**53**	**1500**	**1280**	**510**	**760**
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	0.693	NA	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	**5.1**	**4.13**	NA	**6.6**
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Total Confident Conc. Above Targeted VOAs (s)		54	33.3	216	50	74	53	2102.7	1883.903	768.31	1208.2

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\- - No Standard
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- Samples PZ-4 collected in 2013 also contained Isopropylbenzene between 36-53 ug/L above the GWS.
- Additional VOCs analyzed at PZ-4 in 2013 not shown on table and were not detected above the GWS.

TABLE 1

Former Dexter Chemical - Bronx, NY
Historic Volatile Organic Compounds Ground Water Results Summary
1998-2013 (Pre and Post SVE/AS System Install and Injections)

Sample ID Lab Sample Number Sampling Date Units	1998 NYSDEC Ground Water Standards ug/l	PZ-4LF AC55333-013 10/27/10 ug/L	PZ-4 AC57037-003 01/28/11 ug/L	PZ-4 AC58579-004 01/28/11 ug/L	PZ-4 AC60908-005 08/02/11 ug/L	PZ-4 AC62242-005 10/20/11 ug/L	PZ-4 AC63671-005 01/10/12 ug/L	PZ-4 AC65251-005 4/10/12 ug/l	PZ-4 AC67134-005 7/17/2012 ug/l	PZ-4 AC71578-001 04/02/13 ug/l	PZ-4 AC72085-001 04/26/13 ug/l
TARGETED VOLATILE COMPOUNDS											
Chloromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5*	**64**	**23**	**73**	**46**	**43**	**42**	ND	**19**	ND	**13**
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	**350**	**150**	**350**	**330**	**220**	**250**	**110**	**140**	**84**	**76**
cis-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5*	ND	ND	**6**	**6.1**	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	**18**	**8**	**2.5**	**19**	**11**	**14**	ND	**7.6**	ND	**7.2**
trans-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5*	ND	1.5	**5.1**	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5*	**78**	**37**	**53**	**68**	**71**	**96**	**51**	**52**	**58**	**46**
Chlorobenzene	5*	ND	ND	ND	ND	ND	ND	ND	ND	1.7	1.7
Ethylbenzene	5*	**360**	**170**	**390**	**310**	**330**	**350**	**250**	**200**	**270**	**200**
Xylene (Total)	5*	**1620**	**580**	**1090**	**990**	**1560**	**1730**	**1,020**	**1110**	**1570**	**1200**
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	**11**	**6.9**	**8.6**	**13**	**9.5**	ND	ND	**8.3**	ND	**7.9**
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Confident Conc. Above Targeted VOAs (s)		2501	976.4	1978.2	1782.1	2244.5	2482	1431	1536.9	1983.7	1551.8

MW-6 460-7298-1 - Samples Collected Following (After May 2009) SVE/AS System Start-Up (Yellow Highlight)

BOLDED - Results above 1998 NYSDEC Ground Water Standards - GA Water Class

ND - None Detected
NS - Not Sampled
NA - Not Analyzed
* - The principal organic contaminant standard for ground water applies to this substance.
** - Guidance Value only.
- - No Standard
Note - Samples SVE-RW-13I collected on April 2, 2013 contained 26,000 ug/L of acetone.
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TABLE 1

Former Dexter Chemical - Bronx, NY
Historic Volatile Organic Compounds Ground Water Results Summary
1998-2013 (Pre and Post SVE/AS System Install and Injections)

Sample ID Lab Sample Number Sampling Date Units	1998 NYSDEC Ground Water Standards ug/l	PZ-4 AC72453-001 05/16/13 ug/l	PZ-4 AC72821-001 06/06/13 ug/l	SVE-RW-5A AC53199-002 07/26/10 ug/L	SVE-RW-5A AC55333-010 10/27/10 ug/L	SVE-RW-5A AC57037-003 01/28/11 ug/L	SVE-RW-5A AC60908-003 08/02/11 ug/L	SVE-RW-5A AC62242-003 10/20/11 ug/L	SVE-RW-5A AC63671-003 01/10/12 ug/L	MW-5A AC65251-003 4/10/2012 ug/l	MW-5A AC67134-003 7/17/2012 ug/l
TARGETED VOLATILE COMPOUNDS											
Chloromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5*	**17**	**35**	ND	ND	ND	1.8	1.7	**12**	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	**99**	**120**	**23**	ND	ND	**1.9**	**1.5**	ND	ND	ND
cis-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	**8.6**	**11**	**3.8**	ND	ND	**1.2**	**1.2**	ND	ND	**1.9**
trans-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5*	ND	ND	`	ND	ND	ND	ND	**51**	ND	1
1,1,2,2-Tetrachloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5*	**55**	**68**	**13**	ND	ND	2.8	2.4	2.4	ND	2.6
Chlorobenzene	5*	1.7	1.7	**72**	**17**	1.7	**16**	**20**	**19**	**24**	**20**
Ethylbenzene	5*	**220**	**360**	**36**	ND	ND	**11**	**9.3**	**10**	**7.5**	4.7
Xylene (Total)	5*	**1320**	**2040**	**290**	**34**	ND	**27**	**26**	**27**	**25**	**22.5**
1,3-Dichlorobenzene	3	ND	ND	**14**	ND	ND	**4.1**	**4.2**	ND	ND	**5**
1,4-Dichlorobenzene	3	ND	ND	**42**	ND	ND	**9.7**	**9.6**	ND	**11**	**11**
1,2-Dichlorobenzene	3	ND	**14**	**23**	ND	ND	**4.7**	**4.5**	ND	ND	**5.4**
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Confident Conc. Above Targeted VOAs (s)		1721.3	2649.7	516.8	51	1.7	80.2	80.4	121.4	67.5	74.1

MW-6 460-7298-1 - Samples Collected Following (After May 2009) SVE/AS System Start-Up (Yellow Highlight)

BOLDED - Results above 1998 NYSDEC Ground Water Standards - GA Water Class

ND - None Detected
NS - Not Sampled
NA - Not Analyzed
* - The principal organic contaminant standard for ground water applies to this substance.
** - Guidance Value only.
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Note - Samples SVE-RW-13I collected on April 2, 2013 contained 26,000 ug/L of acetone.
- Samples PZ-4 collected in 2013 also contained Isopropylbenzene between 36-53 ug/L above the GWS.
- Additional VOCs analyzed at PZ-4 in 2013 not shown on table and were not detected above the GWS.

TABLE 1

Former Dexter Chemical - Bronx, NY
Historic Volatile Organic Compounds Ground Water Results Summary
1998-2013 (Pre and Post SVE/AS System Install and Injections)

Sample ID Lab Sample Number Sampling Date Units	1998 NYSDEC Ground Water Standards ug/l	SVE-RW-13I AC53199-001 07/26/10 ug/L	SVE-RW-13I AC55333-015 10/27/10 ug/L	SVE-RW-13I AC58579-008 04/21/11 ug/L	SVE-RW-13I AC60908-009 08/03/11 ug/L	SVE-RW-13I AC62242-009 10/21/11 ug/L	SVE-RW-13I AC63671-009 01/11/12 ug/L	SVE-RW-13I AC65251-009 4/11/12 ug/L	SVE-RW-13I AC67134-009 7/18/2012 ug/L	SVE-RW-13I AC68953-001 10/23/2012 ug/L	SVE-RW-13I AC71580-001 04/02/13 ug/L
TARGETED VOLATILE COMPOUNDS											
Chloromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5*	ND	ND	**120**	ND	ND	**24**	**16**	**43**	**53**	**36**
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4 (a)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5*	ND	ND	ND	ND	ND	ND	ND	ND	**16**	**24**
Ethylbenzene	5*	ND	ND	**140**	ND	ND	ND	ND	ND	ND	ND
Xylene (Total)	5*	**3700**	**560**	**1020**	**13**	**51**	**23**	**12**	**59**	**80**	**108**
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	**13**	**<20**
1,4-Dichlorobenzene	3	ND	ND	**180**	ND	ND	ND	**5.7**	**14**	**29**	**26**
1,2-Dichlorobenzene	3	ND	ND	**180**	ND	ND	ND	**5.7**	**11**	**12**	**<20**
1,2,4-Trichlorobenzene	5	**1200**	ND	ND	**33**	ND	ND	ND	**12**	ND	ND
Total Confident Conc. Above Targeted VOAs (s)		4900	560	1640	46	51	47	39.4	139	203	26194

MW-6
460-7298-1 - Samples Collected Following (After May 2009) SVE/AS System Start-Up (Yellow Highlight)

BOLDED - Results above 1998 NYSDEC Ground Water Standards - GA Water Class

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Note - Samples SVE-RW-13I collected on April 2, 2013 contained 26,000 ug/L of acetone.
- Samples PZ-4 collected in 2013 also contained Isopropylbenzene between 36-53 ug/L above the GWS.
- Additional VOCs analyzed at PZ-4 in 2013 not shown on table and were not detected above the GWS.

TABLE 2

Dexter Chemical - Bronx, NY
Volatile Organic Compounds in Ground Water
2016-17 Semi-Annual Sampling (4 Total Events Per NYSDEC-Approved Site Management Plan)

Sample ID	1998 NYSDEC	MW-3				MW-3				MW-3				MW-3				MW-6				MW-6				MW-6				MW-6			
Lab Sample Number	Ground Water	04751-001				10215-001				04261-002				10611-005				04751-004				10215-005				04261-005				10611-003			
Sampling Date	Standards	5/25/2016				11/1/2016				5/23/2017				12/7/2017				5/25/2016				11/1/2016				5/23/2017				12/7/2017			
Units	ug/l	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL
TARGETED VOLATILE COMPOUNDS																																	
Dichlorodifluoromethane	5*	ND		1.00	0.617	ND		2.00	1.03	ND		1.00	0.662	ND		1.00	0.662	ND		1.00	0.617	ND		1.00	0.516	ND		1.00	0.662	ND		1.00	0.662
Chloromethane	5*	ND		1.00	0.487	ND		1.00	0.886	ND		0.500	0.463	ND		0.500	0.463	ND		1.00	0.487	ND		0.500	0.443	ND		0.500	0.463	ND		0.500	0.463
Vinyl chloride	2	ND		1.00	0.522	ND		2.00	1.31	ND		1.00	0.591	ND		1.00	0.591	ND		1.00	0.522	ND		1.00	0.655	ND		1.00	0.591	ND		1.00	0.591
Bromomethane	5*	ND		1.00	0.506	ND		2.00	1.03	ND		1.00	0.544	ND		1.00	0.544	ND		1.00	0.506	ND		1.00	0.516	ND		1.00	0.544	ND		1.00	0.544
Chloroethane	5*	ND		1.00	0.781	ND		2.00	0.908	ND		1.00	0.495	ND		0.500	0.495	ND		1.00	0.781	ND		1.00	0.454	ND		1.00	0.495	ND		0.500	0.495
Trichlorofluoromethane	5*	ND		1.00	0.643	ND		2.00	0.792	ND		1.00	0.433	ND		0.500	0.433	ND		1.00	0.643	ND		1.00	0.396	ND		1.00	0.433	ND		0.500	0.433
1,1-Dichloroethene	5*	ND		1.00	0.612	ND		1.00	0.658	ND		0.500	0.493	ND		0.500	0.493	ND		1.00	0.612	ND		0.500	0.329	ND		0.500	0.493	ND		0.500	0.493
Acetone	-	ND		5.00	0.820	9.65	DJ	10.0	1.52	ND		2.00	1.33	ND		2.00	1.33	ND		5.00	0.820	ND		5.00	0.760	ND		2.00	1.33	ND		2.00	1.33
Carbon disulfide	60	ND		1.00	0.543	ND		1.00	0.598	ND		1.00	0.464	ND		0.500	0.464	ND		1.00	0.543	ND		0.500	0.299	ND		1.00	0.464	ND		0.500	0.464
Methylene chloride	5*	ND		2.00	1.99	ND		2.00	1.98	ND		1.00	0.990	ND		1.00	0.990	ND		2.00	1.99	ND		1.00	0.990	ND		1.00	0.990	ND		1.00	0.990
trans-1,2-Dichloroethene	5*	ND		1.00	0.615	ND		1.00	0.756	ND		0.500	0.454	ND		0.500	0.454	ND		1.00	0.615	ND		0.500	0.378	ND		0.500	0.454	ND		0.500	0.454
Methyl tert-butyl ether (MTBE)	-	ND		1.00	0.580	ND		1.00	0.812	ND		0.500	0.479	ND		0.500	0.479	ND		1.00	0.580	ND		0.500	0.406	ND		0.500	0.479	ND		0.500	0.479
1,1-Dichloroethane	5*	ND		1.00	0.664	ND		1.00	0.732	ND		0.500	0.493	ND		0.500	0.493	ND		1.00	0.664	ND		0.500	0.366	ND		0.500	0.493	ND		0.500	0.493
cis-1,2-Dichloroethene	5*	ND		1.00	0.526	ND		1.00	0.802	ND		0.500	0.451	ND		0.500	0.451	ND		1.00	0.526	ND		0.500	0.401	ND		0.500	0.451	ND		0.500	0.451
2-Butanone (MEK)	-	ND		1.00	0.836	ND		2.00	1.25	ND		2.00	1.66	ND		2.00	1.66	ND		1.00	0.836	ND		1.00	0.623	ND		2.00	1.66	ND		2.00	1.66
Bromochloromethane	5*	ND		1.00	0.724	ND		2.00	1.19	ND		1.00	0.596	ND		1.00	0.596	ND		1.00	0.724	ND		1.00	0.596	ND		1.00	0.596	ND		1.00	0.596
Chloroform	7	ND		1.00	0.608	ND		1.00	0.868	ND		0.500	0.469	ND		0.500	0.469	1.31		1.00	0.608	ND		0.500	0.434	**12.1**		0.500	0.469	ND		0.500	0.469
1,1,1-Trichloroethane	5*	ND		1.00	0.501	ND		1.00	0.810	ND		0.500	0.462	ND		0.500	0.462	ND		1.00	0.501	ND		0.500	0.405	ND		0.500	0.462	ND		0.500	0.462
Carbon tetrachloride	5	ND		1.00	0.499	ND		1.00	0.630	ND		0.500	0.449	ND		1.00	0.449	ND		1.00	0.499	ND		0.500	0.315	ND		0.500	0.449	ND		1.00	0.449
1,2-Dichloroethane (EDC)	0.6	ND		1.00	0.628	ND		1.00	0.854	ND		0.500	0.458	ND		0.500	0.458	ND		1.00	0.628	ND		0.500	0.427	ND		0.500	0.458	ND		0.500	0.458
Benzene	1	ND		1.00	0.391	ND		1.00	0.928	ND		0.500	0.464	ND		0.500	0.464	ND		1.00	0.391	ND		0.500	0.464	ND		0.500	0.464	ND		0.500	0.464
Trichloroethene	5*	ND		1.00	0.639	ND		1.00	0.632	ND		0.500	0.493	ND		0.500	0.493	ND		1.00	0.639	ND		0.500	0.316	ND		0.500	0.493	ND		0.500	0.493
1,2-Dichloropropane	1	ND		1.00	0.578	ND		1.00	0.690	ND		0.500	0.447	ND		0.500	0.447	ND		1.00	0.578	ND		0.500	0.345	ND		0.500	0.447	ND		0.500	0.447
1,4-Dioxane	-	ND		200	56.3	ND		200	139	ND		100	98.4	ND		100	98.4	ND		200	56.3	ND		100	69.6	ND		100	98.4	ND		100	98.4
Bromodichloromethane	50	ND		1.00	0.688	ND		1.00	0.698	ND		0.500	0.353	ND		0.500	0.353	ND		1.00	0.688	ND		0.500	0.349	0.968		0.500	0.353	ND		0.500	0.353
cis-1,3-Dichloropropene	0.4 (a)	ND		**1.00**	0.377	ND		1.00	0.696	ND		0.500	0.331	ND		0.500	0.331	ND		**1.00**	0.377	ND		**0.500**	0.348	ND		0.500	0.331	ND		0.500	0.331
4-Methyl-2-pentanone (MIBK)	-	ND		1.00	0.425	ND		1.00	0.730	ND		1.00	0.699	ND		2.00	0.699	ND		1.00	0.425	ND		0.500	0.365	ND		1.00	0.699	ND		2.00	0.699
Toluene	5*	ND		1.00	0.507	ND		1.00	0.586	ND		0.500	0.379	ND		0.500	0.379	ND		1.00	0.507	ND		0.500	0.293	ND		0.500	0.379	ND		0.500	0.379
trans-1,3-Dichloropropene	0.4 (a)	ND		**1.00**	**0.409**	ND		**1.00**	**0.654**	ND		0.500	0.321	ND		0.500	0.321	ND		**1.00**	**0.409**	ND		**0.500**	**0.327**	ND		0.500	0.321	ND		0.500	0.321
1,1,2-Trichloroethane	1	ND		1.00	0.542	ND		2.00	1.15	ND		1.00	0.473	ND		0.500	0.473	ND		1.00	0.542	ND		1.00	0.575	ND		1.00	0.473	ND		0.500	0.473
Tetrachloroethene	5*	ND		1.00	0.445	ND		1.00	0.762	ND		0.500	0.451	ND		0.500	0.451	ND		1.00	0.445	ND		0.500	0.381	ND		0.500	0.451	ND		0.500	0.451
2-Hexanone	-	ND		1.00	0.552	ND		1.00	0.704	ND		1.00	0.761	ND		2.00	0.761	ND		1.00	0.552	ND		0.500	0.352	ND		1.00	0.761	ND		2.00	0.761
Dibromochloromethane	50**	ND		1.00	0.412	ND		2.00	1.15	ND		1.00	0.442	ND		0.500	0.442	ND		1.00	0.412	ND		1.00	0.575	ND		1.00	0.442	ND		0.500	0.442
1,2-Dibromoethane (EDB)	5*	ND		1.00	0.499	ND		1.00	0.712	ND		**0.500**	**0.402**	ND		**0.500**	**0.402**	ND		1.00	0.499	ND		0.500	0.356	ND		**0.500**	**0.402**	ND		**0.500**	**0.402**
Chlorobenzene	5*	ND		1.00	0.527	ND		1.00	0.574	ND		0.500	0.376	ND		0.500	0.376	ND		1.00	0.527	ND		0.500	0.287	ND		0.500	0.376	ND		0.500	0.376
Ethylbenzene	5*	ND		1.00	0.407	ND		1.00	0.588	ND		0.500	0.344	ND		0.500	0.344	ND		1.00	0.407	ND		0.500	0.294	ND		0.500	0.344	ND		0.500	0.344
Total Xylenes	5*	ND		2.00	1.29	ND		2.00	1.89	ND		1.00	0.923	ND		1.00	0.923	ND		2.00	1.29	ND		1.00	0.944	ND		1.00	0.923	ND		1.00	0.923
Styrene	5*	ND		1.00	0.392	ND		2.00	0.508	ND		1.00	0.290	ND		0.500	0.290	ND		1.00	0.392	ND		1.00	0.254	ND		1.00	0.290	ND		0.500	0.290
Bromoform	50	ND		1.00	0.514	ND		1.00	0.890	ND		0.500	0.445	ND		0.500	0.445	ND		1.00	0.514	ND		0.500	0.445	ND		0.500	0.445	ND		0.500	0.445
Isopropylbenzene	5*	ND		1.00	0.369	ND		1.00	0.614	ND		0.500	0.323	ND		0.500	0.323	ND		1.00	0.369	ND		0.500	0.307	ND		0.500	0.323	ND		0.500	0.323
1,1,2,2-Tetrachloroethane	5*	ND		1.00	0.493	ND		1.00	0.990	ND		1.00	0.458	ND		0.500	0.458	ND		1.00	0.493	ND		0.500	0.495	ND		1.00	0.458	ND		0.500	0.458
1,3-Dichlorobenzene	3	ND		1.00	0.595	ND		1.00	0.572	ND		1.00	0.351	ND		0.500	0.351	ND		1.00	0.595	ND		0.500	0.286	ND		1.00	0.351	ND		0.500	0.351
1,4-Dichlorobenzene	3	ND		1.00	0.426	ND		1.00	0.682	ND		1.00	0.341	ND		0.500	0.341	ND		1.00	0.426	ND		0.500	0.341	ND		1.00	0.341	ND		0.500	0.341
1,2-Dichlorobenzene	3	ND		1.00	0.605	ND		1.00	0.550	ND		1.00	0.364	ND		0.500	0.364	ND		1.00	0.605	ND		0.500	0.275	ND		1.00	0.364	ND		0.500	0.364
1,2-Dibromo-3-chloropropane	0.04	ND		**1.00**	**0.788**	ND		**2.00**	**1.07**	ND		**1.00**	**0.533**	ND		**1.00**	**0.533**	ND		**1.00**	**0.788**	ND		**1.00**	**0.534**	ND		**1.00**	**0.533**	ND		**1.00**	**0.533**
1,2,4-Trichlorobenzene	5*	ND		1.00	0.599	ND		2.00	0.486	ND		1.00	0.304	ND		1.00	0.304	ND		1.00	0.599	ND		1.00	0.243	ND		1.00	0.304	ND		1.00	0.304
1,2,3-Trichlorobenzene	5*	ND		1.00	0.673	ND		2.00	0.506	ND		1.00	0.339	ND		1.00	0.339	ND		1.00	0.673	ND		1.00	0.253	ND		1.00	0.339	ND		1.00	0.339
1,1,2-Trichloro-1,2,2-trifluoroethane	5*	ND		1.00	0.765	ND		2.00	1.31	ND		1.00	0.563	ND		1.00	0.563	ND		1.00	0.765	ND		1.00	0.656	ND		1.00	0.563	ND		1.00	0.563
Methyl acetate	-	ND		1.00	0.462	ND		1.00	0.696	ND		0.500	0.485	ND		0.500	0.485	ND		1.00	0.462	ND		0.500	0.348	ND		0.500	0.485	ND		0.500	0.485
Cyclohexane	-	ND		2.00	0.482	ND		1.00	0.860	ND		0.500	0.411	ND		1.00	0.411	ND		2.00	0.482	ND		0.500	0.430	ND		0.500	0.411	ND		1.00	0.411
Methylcyclohexane	-	ND		1.00	0.744	ND		1.00	0.716	ND		1.00	0.411	ND		0.500	0.411	ND		1.00	0.744	ND		0.500	0.358	ND		1.00	0.411	ND		0.500	0.411
1,3-Dichloropropene (cis- and trans-)	0.4*	ND		**1.00**	**0.409**	ND		**1.00**	**0.696**	ND		**0.500**	0.331	ND		**0.500**	0.331	ND		**1.00**	**0.409**	ND		**0.500**	**0.348**	ND		**0.500**	0.331	ND		**0.500**	0.331
TOTAL VOCs:	-	ND		NA		9.65	DJ	NA		ND		NA		ND		NA		1		NA		ND		NA		13.1		NA		ND		NA	
TOTAL TICs:	-	ND		NA		ND		NA		ND		NA		ND		NA		ND		NA		ND		NA		ND		NA		ND		NA	
TOTAL VOCs & TICs:	-	ND		NA		9.65	DJ	NA		ND		NA		ND		NA		1		NA		ND		NA		13.1		NA		ND		NA	

BOLDED	Results above 1998 NYSDEC Ground Water Standards - GA Water Class
ND	None Detected
NA	Not Analyzed
VOCs	Volatile Organic Compounds
TICs	Tentatively Identified Compounds
*	The principal organic contaminant standard for ground water applies to this substance.
**	Guidance Value only.
-	No Standard
(a)	Standard based on the sum of cis- and trans- compounds

TABLE 2

Dexter Chemical - Bronx, NY
Volatile Organic Compounds in Ground Water
2016-17 Semi-Annual Sampling (4 Total Events Per NYSDEC-Approved Site Management Plan)

Sample ID	1998 NYSDEC	MW-7				MW-7				MW-7				MW-7				MW-11				MW-11				MW-11				MW-11			
Lab Sample Number	Ground Water	04751-003				10215-004				04261-001				10611-002				04751-002				10215-009				04261-006				10611-001			
Sampling Date	Standards	5/25/2016				11/1/2016				5/23/2017				12/7/2017				5/25/2016				11/1/2016				5/23/2017				12/7/2017			
Units	ug/l	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL
TARGETED VOLATILE COMPOUNDS																																	
Dichlorodifluoromethane	5*	ND		1.00	0.617	ND		1.00	0.516	ND		1.00	0.662	ND		1.00	0.662	ND		1.00	0.617	ND		1.00	0.516	ND		1.00	0.662	ND		1.00	0.662
Chloromethane	5*	ND		1.00	0.487	ND		0.500	0.443	ND		0.500	0.463	ND		0.500	0.463	ND		1.00	0.487	ND		0.500	0.443	ND		0.500	0.463	ND		0.500	0.463
Vinyl chloride	2	ND		1.00	0.522	ND		1.00	0.655	ND		1.00	0.591	ND		1.00	0.591	ND		1.00	0.522	ND		1.00	0.655	ND		1.00	0.591	ND		1.00	0.591
Bromomethane	5*	ND		1.00	0.506	ND		1.00	0.516	ND		1.00	0.544	ND		1.00	0.544	ND		1.00	0.506	ND		1.00	0.516	ND		1.00	0.544	ND		1.00	0.544
Chloroethane	5*	ND		1.00	0.781	ND		1.00	0.454	ND		1.00	0.495	ND		0.500	0.495	ND		1.00	0.781	ND		1.00	0.454	ND		1.00	0.495	ND		0.500	0.495
Trichlorofluoromethane	5*	ND		1.00	0.643	ND		1.00	0.396	ND		1.00	0.433	ND		0.500	0.433	ND		1.00	0.643	ND		1.00	0.396	ND		1.00	0.433	ND		0.500	0.433
1,1-Dichloroethene	5*	ND		1.00	0.612	ND		0.500	0.329	ND		0.500	0.493	ND		0.500	0.493	ND		1.00	0.612	ND		0.500	0.329	ND		0.500	0.493	ND		0.500	0.493
Acetone	-	ND		5.00	0.820	ND		5.00	0.760	ND		2.00	1.33	ND		2.00	1.33	ND		5.00	0.820	ND		5.00	0.760	ND		2.00	1.33	ND		2.00	1.33
Carbon disulfide	60	ND		1.00	0.543	ND		0.500	0.299	ND		1.00	0.464	ND		0.500	0.464	ND		1.00	0.543	ND		0.500	0.299	ND		1.00	0.464	ND		0.500	0.464
Methylene chloride	5*	ND		2.00	1.99	ND		1.00	0.990	ND		1.00	0.990	ND		1.00	0.990	ND		2.00	1.99	ND		1.00	0.990	ND		1.00	0.990	ND		1.00	0.990
trans-1,2-Dichloroethene	5*	ND		1.00	0.615	ND		0.500	0.378	ND		0.500	0.454	ND		0.500	0.454	ND		1.00	0.615	ND		0.500	0.378	ND		0.500	0.454	ND		0.500	0.454
Methyl tert-butyl ether (MTBE)	-	ND		1.00	0.580	ND		0.500	0.406	ND		0.500	0.479	ND		0.500	0.479	ND		1.00	0.580	ND		0.500	0.406	ND		0.500	0.479	ND		0.500	0.479
1,1-Dichloroethane	5*	ND		1.00	0.664	ND		0.500	0.366	ND		0.500	0.493	ND		0.500	0.493	ND		1.00	0.664	ND		0.500	0.366	ND		0.500	0.493	ND		0.500	0.493
cis-1,2-Dichloroethene	5*	ND		1.00	0.526	0.453	J	0.500	0.401	ND		0.500	0.451	ND		0.500	0.451	ND		1.00	0.526	ND		0.500	0.401	ND		0.500	0.451	ND		0.500	0.451
2-Butanone (MEK)	-	ND		1.00	0.836	ND		1.00	0.623	ND		2.00	1.66	ND		2.00	1.66	ND		1.00	0.836	ND		1.00	0.623	ND		2.00	1.66	ND		2.00	1.66
Bromochloromethane	5*	ND		1.00	0.724	ND		1.00	0.596	ND		1.00	0.596	ND		1.00	0.596	ND		1.00	0.724	ND		1.00	0.596	ND		1.00	0.596	ND		1.00	0.596
Chloroform	7	ND		1.00	0.608	ND		0.500	0.434	ND		0.500	0.469	ND		0.500	0.469	ND		1.00	0.608	ND		0.500	0.434	ND		0.500	0.469	ND		0.500	0.469
1,1,1-Trichloroethane	5*	ND		1.00	0.501	ND		0.500	0.405	ND		0.500	0.462	ND		0.500	0.462	ND		1.00	0.501	ND		0.500	0.405	ND		0.500	0.462	ND		0.500	0.462
Carbon tetrachloride	5	ND		1.00	0.499	ND		0.500	0.315	ND		0.500	0.449	ND		1.00	0.449	ND		1.00	0.499	ND		0.500	0.315	ND		0.500	0.449	ND		1.00	0.449
1,2-Dichloroethane (EDC)	0.6	ND		1.00	0.628	ND		0.500	0.427	ND		0.500	0.458	ND		0.500	0.458	ND		1.00	0.628	ND		0.500	0.427	ND		0.500	0.458	ND		0.500	0.458
Benzene	1	ND		1.00	0.391	0.947		0.500	0.464	ND		0.500	0.464	ND		0.500	0.464	ND		1.00	0.391	ND		0.500	0.464	ND		0.500	0.464	ND		0.500	0.464
Trichloroethene	5*	ND		1.00	0.639	ND		0.500	0.316	ND		0.500	0.493	ND		0.500	0.493	ND		1.00	0.639	ND		0.500	0.316	ND		0.500	0.493	ND		0.500	0.493
1,2-Dichloropropane	1	ND		1.00	0.578	ND		0.500	0.345	ND		0.500	0.447	ND		0.500	0.447	ND		1.00	0.578	ND		0.500	0.345	ND		0.500	0.447	ND		0.500	0.447
1,4-Dioxane	-	ND		200	56.3	ND		100	69.6	ND		100	98.4	ND		100	98.4	ND		200	56.3	ND		100	69.6	ND		100	98.4	ND		100	98.4
Bromodichloromethane	50	ND		1.00	0.688	ND		0.500	0.349	ND		0.500	0.353	ND		0.500	0.353	ND		1.00	0.688	ND		0.500	0.349	ND		0.500	0.353	ND		0.500	0.353
cis-1,3-Dichloropropene	0.4 (a)	ND		**1.00**	0.377	ND		**0.500**	0.348	ND		0.500	0.331	ND		0.500	0.331	ND		**1.00**	0.377	ND		**0.500**	0.348	ND		0.500	0.331	ND		0.500	0.331
4-Methyl-2-pentanone (MIBK)	-	ND		1.00	0.425	ND		0.500	0.365	ND		1.00	0.699	ND		2.00	0.699	ND		1.00	0.425	ND		0.500	0.365	ND		1.00	0.699	ND		2.00	0.699
Toluene	5*	ND		1.00	0.507	ND		0.500	0.293	ND		0.500	0.379	ND		0.500	0.379	ND		1.00	0.507	ND		0.500	0.293	ND		0.500	0.379	ND		0.500	0.379
trans-1,3-Dichloropropene	0.4 (a)	ND		**1.00**	**0.409**	ND		**0.500**	**0.327**	ND		0.500	0.321	ND		0.500	0.321	ND		**1.00**	**0.409**	ND		**0.500**	**0.327**	ND		0.500	0.321	ND		0.500	0.321
1,1,2-Trichloroethane	1	ND		1.00	0.542	ND		1.00	0.575	ND		1.00	0.473	ND		0.500	0.473	ND		1.00	0.542	ND		1.00	0.575	ND		1.00	0.473	ND		0.500	0.473
Tetrachloroethene	5*	ND		1.00	0.445	ND		0.500	0.381	ND		0.500	0.451	ND		0.500	0.451	ND		1.00	0.445	ND		0.500	0.381	ND		0.500	0.451	ND		0.500	0.451
2-Hexanone	-	ND		1.00	0.552	ND		0.500	0.352	ND		1.00	0.761	ND		2.00	0.761	ND		1.00	0.552	ND		0.500	0.352	ND		1.00	0.761	ND		2.00	0.761
Dibromochloromethane	50**	ND		1.00	0.412	ND		1.00	0.575	ND		1.00	0.442	ND		0.500	0.442	ND		1.00	0.412	ND		1.00	0.575	ND		1.00	0.442	ND		0.500	0.442
1,2-Dibromoethane (EDB)	5*	ND		1.00	0.499	ND		0.500	0.356	ND		**0.500**	**0.402**	ND		**0.500**	**0.402**	ND		1.00	0.499	ND		0.500	0.356	ND		**0.500**	**0.402**	ND		**0.500**	**0.402**
Chlorobenzene	5*	**6.44**		1.00	0.527	**8.18**		0.500	0.287	**6.23**		0.500	0.376	**6.31**		0.500	0.376	ND		1.00	0.527	0.513		0.500	0.287	0.512		0.500	0.376	0.507		0.500	0.376
Ethylbenzene	5*	ND		1.00	0.407	ND		0.500	0.294	ND		0.500	0.344	ND		0.500	0.344	ND		1.00	0.407	ND		0.500	0.294	ND		0.500	0.344	ND		0.500	0.344
Total Xylenes	5*	2.21		2.00	1.29	ND		1.00	0.944	ND		1.00	0.923	ND		1.00	0.923	ND		2.00	1.29	ND		1.00	0.944	ND		1.00	0.923	ND		1.00	0.923
Styrene	5*	ND		1.00	0.392	ND		1.00	0.254	ND		1.00	0.290	ND		0.500	0.290	ND		1.00	0.392	ND		1.00	0.254	ND		1.00	0.290	ND		0.500	0.290
Bromoform	50	ND		1.00	0.514	ND		0.500	0.445	ND		0.500	0.445	ND		0.500	0.445	ND		1.00	0.514	ND		0.500	0.445	ND		0.500	0.445	ND		0.500	0.445
Isopropylbenzene	5*	ND		1.00	0.369	ND		0.500	0.307	ND		0.500	0.323	ND		0.500	0.323	0.646	J	1.00	0.369	ND		0.500	0.307	0.539		0.500	0.323	ND		0.500	0.323
1,1,2,2-Tetrachloroethane	5*	ND		1.00	0.493	ND		0.500	0.495	ND		1.00	0.458	ND		0.500	0.458	ND		1.00	0.493	ND		0.500	0.495	ND		1.00	0.458	ND		0.500	0.458
1,3-Dichlorobenzene	3	ND		1.00	0.595	0.422	J	0.500	0.286	0.402	J	1.00	0.351	ND		0.500	0.351	ND		1.00	0.595	ND		0.500	0.286	ND		1.00	0.351	ND		0.500	0.351
1,4-Dichlorobenzene	3	0.726	J	1.00	0.426	0.751		0.500	0.341	0.769	J	1.00	0.341	0.656		0.500	0.341	0.653	J	1.00	0.426	0.691		0.500	0.341	0.732	J	1.00	0.341	0.463	J	0.500	0.341
1,2-Dichlorobenzene	3	ND		1.00	0.605	ND		0.500	0.275	ND		1.00	0.364	ND		0.500	0.364	ND		1.00	0.605	ND		0.500	0.275	ND		1.00	0.364	ND		0.500	0.364
1,2-Dibromo-3-chloropropane	0.04	ND		**1.00**	**0.788**	ND		**1.00**	**0.534**	ND		**1.00**	**0.533**	ND		**1.00**	**0.533**	ND		**1.00**	**0.788**	ND		**1.00**	**0.534**	ND		**1.00**	**0.533**	ND		**1.00**	**0.533**
1,2,4-Trichlorobenzene	5*	ND		1.00	0.599	ND		1.00	0.243	ND		1.00	0.304	ND		1.00	0.304	ND		1.00	0.599	ND		1.00	0.243	ND		1.00	0.304	ND		1.00	0.304
1,2,3-Trichlorobenzene	5*	ND		1.00	0.673	ND		1.00	0.253	ND		1.00	0.339	ND		1.00	0.339	ND		1.00	0.673	ND		1.00	0.253	ND		1.00	0.339	ND		1.00	0.339
1,1,2-Trichloro-1,2,2-trifluoroethane	5*	ND		1.00	0.765	ND		1.00	0.656	ND		1.00	0.563	ND		1.00	0.563	ND		1.00	0.765	ND		1.00	0.656	ND		1.00	0.563	ND		1.00	0.563
Methyl acetate	-	ND		1.00	0.462	ND		0.500	0.348	ND		0.500	0.485	ND		0.500	0.485	ND		1.00	0.462	ND		0.500	0.348	ND		0.500	0.485	ND		0.500	0.485
Cyclohexane	-	ND		2.00	0.482	ND		0.500	0.430	ND		0.500	0.411	ND		1.00	0.411	ND		2.00	0.482	ND		0.500	0.430	ND		0.500	0.411	ND		1.00	0.411
Methylcyclohexane	-	ND		1.00	0.744	ND		0.500	0.358	ND		1.00	0.411	ND		0.500	0.411	ND		1.00	0.744	ND		0.500	0.358	ND		1.00	0.411	ND		0.500	0.411
1,3-Dichloropropene (cis- and trans-)	0.4*	ND		**1.00**	**0.409**	ND		**0.500**	**0.348**	ND		**0.500**	0.331	ND		**0.500**	0.331	ND		**1.00**	**0.409**	ND		**0.500**	**0.348**	ND		**0.500**	0.331	ND		**0.500**	0.331
TOTAL VOCs:	-	9	J		NA	10.8	J		NA	7.40	J		NA	6.97			NA	1	J		NA	1.20			NA	1.78	J		NA	0.970	J		NA
TOTAL TICs:	-	130	JN		NA	41.2	JN		NA	41.0	J		NA	57.9	JN		NA	69	JN		NA	119	JN		NA	91.4	JN		NA	78.4	JN		NA
TOTAL VOCs & TICs:	-	139	JN		NA	52	JN		NA	48.4	J		NA	64.9	JN		NA	70	JN		NA	120	JN		NA	93.2	JN		NA	79.4	JN		NA

BOLDED	Results above 1998 NYSDEC Ground Water Standards - GA
ND	None Detected
NA	Not Analyzed
VOCs	Volatile Organic Compounds
TICs	Tentatively Identified Compounds
*	The principal organic contaminant standard for ground water a
**	Guidance Value only.
-	No Standard
(a)	Standard based on the sum of cis- and trans- compounds

TABLE 2

Dexter Chemical - Bronx, NY
Volatile Organic Compounds in Ground Water
2016-17 Semi-Annual Sampling (4 Total Events Per NYSDEC-Approved Site Management Plan)

Sample ID	1998 NYSDEC	DUP-1 (MW-11)				DUP-1 (MW-11)				DUP-1 (MW-11)				DUP-1 (MW-11)				PZ-3				PZ-3				PZ-3				PZ-3			
Lab Sample Number	Ground Water	04751-007				10215-008				04261-009				10611-004				04751-006				10215-007				04261-007				10611-008			
Sampling Date	Standards	5/25/2016				11/1/2016				5/23/2017				12/7/2017				5/25/2016				11/1/2016				5/23/2017				12/7/2017			
Units	ug/l	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL
TARGETED VOLATILE COMPOUNDS																																	
Dichlorodifluoromethane	5*	ND		1.00	0.617	ND		1.00	0.516	ND		1.00	0.662	ND		1.00	0.662	ND		2.00	1.23	ND		2.00	1.03	ND		1.00	0.662	ND		5.00	3.31
Chloromethane	5*	ND		1.00	0.487	ND		0.500	0.443	ND		0.500	0.463	ND		0.500	0.463	ND		2.00	0.974	ND		1.00	0.886	ND		0.500	0.463	ND		2.50	2.32
Vinyl chloride	2	ND		1.00	0.522	ND		1.00	0.655	ND		1.00	0.591	ND		1.00	0.591	ND		2.00	1.04	ND		2.00	1.31	ND		1.00	0.591	ND		**5.00**	**2.96**
Bromomethane	5*	ND		1.00	0.506	ND		1.00	0.516	ND		1.00	0.544	ND		1.00	0.544	ND		2.00	1.01	ND		2.00	1.03	ND		1.00	0.544	ND		5.00	2.72
Chloroethane	5*	ND		1.00	0.781	ND		1.00	0.454	ND		1.00	0.495	ND		0.500	0.495	ND		2.00	1.56	ND		2.00	0.908	ND		1.00	0.495	ND		2.50	2.48
Trichlorofluoromethane	5*	ND		1.00	0.643	ND		1.00	0.396	ND		1.00	0.433	ND		0.500	0.433	ND		2.00	1.29	ND		2.00	0.792	ND		1.00	0.433	ND		2.50	2.17
1,1-Dichloroethene	5*	ND		1.00	0.612	ND		0.500	0.329	ND		0.500	0.493	ND		0.500	0.493	ND		2.00	1.22	ND		1.00	0.658	ND		0.500	0.493	ND		2.50	2.47
Acetone	-	ND		5.00	0.820	ND		5.00	0.760	ND		2.00	1.33	ND		2.00	1.33	174	D	10.0	1.64	172	D	10.0	1.52	69.0		2.00	1.33	275	D	10.0	6.65
Carbon disulfide	60	ND		1.00	0.543	ND		0.500	0.299	ND		1.00	0.464	ND		0.500	0.464	ND		2.00	1.09	ND		1.00	0.598	ND		1.00	0.464	ND		2.50	2.32
Methylene chloride	5*	ND		2.00	1.99	ND		1.00	0.990	ND		1.00	0.990	ND		1.00	0.990	ND		4.00	3.98	ND		2.00	1.98	ND		1.00	0.990	ND		5.00	4.95
trans-1,2-Dichloroethene	5*	ND		1.00	0.615	ND		0.500	0.378	ND		0.500	0.454	ND		0.500	0.454	ND		2.00	1.23	ND		1.00	0.756	ND		0.500	0.454	ND		2.50	2.27
Methyl tert-butyl ether (MTBE)	-	ND		1.00	0.580	ND		0.500	0.406	ND		0.500	0.479	ND		0.500	0.479	1.24	DJ	2.00	1.16	ND		1.00	0.812	ND		0.500	0.479	ND		2.50	2.40
1,1-Dichloroethane	5*	ND		1.00	0.664	ND		0.500	0.366	ND		0.500	0.493	ND		0.500	0.493	ND		2.00	1.33	ND		1.00	0.732	ND		0.500	0.493	ND		2.50	2.47
cis-1,2-Dichloroethene	5*	ND		1.00	0.526	ND		0.500	0.401	ND		0.500	0.451	ND		0.500	0.451	ND		2.00	1.05	ND		1.00	0.802	ND		0.500	0.451	ND		2.50	2.26
2-Butanone (MEK)	-	ND		1.00	0.836	ND		1.00	0.623	ND		2.00	1.66	ND		2.00	1.66	7.96	D	2.00	1.67	5.34	D	2.00	1.25	2.55		2.00	1.66	ND		10.0	8.31
Bromochloromethane	5*	ND		1.00	0.724	ND		1.00	0.596	ND		1.00	0.596	ND		1.00	0.596	ND		2.00	1.45	ND		2.00	1.19	ND		1.00	0.596	ND		5.00	2.98
Chloroform	7	ND		1.00	0.608	ND		0.500	0.434	ND		0.500	0.469	ND		0.500	0.469	ND		2.00	1.22	ND		1.00	0.868	ND		0.500	0.469	ND		2.50	2.35
1,1,1-Trichloroethane	5*	ND		1.00	0.501	ND		0.500	0.405	ND		0.500	0.462	ND		0.500	0.462	ND		2.00	1.00	ND		1.00	0.810	ND		0.500	0.462	ND		2.50	2.31
Carbon tetrachloride	5	ND		1.00	0.499	ND		0.500	0.315	ND		0.500	0.449	ND		1.00	0.449	ND		2.00	0.998	ND		1.00	0.630	ND		0.500	0.449	ND		5.00	2.25
1,2-Dichloroethane (EDC)	0.6	ND		1.00	0.628	ND		0.500	0.427	ND		0.500	0.458	ND		0.500	0.458	ND		2.00	1.26	ND		1.00	0.854	ND		0.500	0.458	ND		**2.50**	**2.29**
Benzene	1	ND		1.00	0.391	ND		0.500	0.464	ND		0.500	0.464	ND		0.500	0.464	**1.42**	DJ	**2.00**	0.782	**1.05**	D	**1.00**	0.928	ND		0.500	0.464	ND		**2.50**	**2.32**
Trichloroethene	5*	ND		1.00	0.639	ND		0.500	0.316	ND		0.500	0.493	ND		0.500	0.493	ND		2.00	1.28	ND		1.00	0.632	ND		0.500	0.493	ND		2.50	2.47
1,2-Dichloropropane	1	ND		1.00	0.578	ND		0.500	0.345	ND		0.500	0.447	ND		0.500	0.447	ND		**2.00**	**1.16**	ND		**1.00**	**0.690**	ND		0.500	0.447	ND		**2.50**	**2.24**
1,4-Dioxane	-	ND		200	56.3	ND		100	69.6	ND		100	98.4	ND		100	98.4	ND		400	113	ND		200	139	ND		100	98.4	ND		500	492
Bromodichloromethane	50	ND		1.00	0.688	ND		0.500	0.349	ND		0.500	0.353	ND		0.500	0.353	ND		2.00	1.38	ND		1.00	0.698	ND		0.500	0.353	ND		2.50	1.77
cis-1,3-Dichloropropene	0.4 (a)	ND		**1.00**	0.377	ND		**0.500**	0.348	ND		0.500	0.331	ND		0.500	0.331	ND		**2.00**	**0.754**	ND		**1.00**	**0.696**	ND		0.500	0.331	ND		2.50	1.66
4-Methyl-2-pentanone (MIBK)	-	ND		1.00	0.425	ND		0.500	0.365	ND		1.00	0.699	ND		2.00	0.699	5.29	D	2.00	0.850	2.06	D	1.00	0.730	ND		1.00	0.699	ND		10.0	3.50
Toluene	5*	ND		1.00	0.507	ND		0.500	0.293	ND		0.500	0.379	ND		0.500	0.379	2.9	D	2.00	1.01	1.77	D	1.00	0.586	0.506		0.500	0.379	ND		2.50	1.90
trans-1,3-Dichloropropene	0.4 (a)	ND		**1.00**	**0.409**	ND		**0.500**	**0.327**	ND		0.500	0.321	ND		0.500	0.321	ND		**2.00**	**0.818**	ND		**1.00**	**0.654**	ND		0.500	0.321	ND		2.50	1.61
1,1,2-Trichloroethane	1	ND		1.00	0.542	ND		1.00	0.575	ND		1.00	0.473	ND		0.500	0.473	ND		**2.00**	**1.08**	ND		**2.00**	**1.15**	ND		1.00	0.473	ND		**2.50**	**2.37**
Tetrachloroethene	5*	ND		1.00	0.445	ND		0.500	0.381	ND		0.500	0.451	ND		0.500	0.451	ND		2.00	0.890	ND		1.00	0.762	ND		0.500	0.451	ND		2.50	2.26
2-Hexanone	-	ND		1.00	0.552	ND		0.500	0.352	ND		1.00	0.761	ND		2.00	0.761	ND		2.00	1.10	ND		1.00	0.704	ND		1.00	0.761	ND		10.0	3.81
Dibromochloromethane	50**	ND		1.00	0.412	ND		1.00	0.575	ND		1.00	0.442	ND		0.500	0.442	ND		2.00	0.824	ND		2.00	1.15	ND		1.00	0.442	ND		2.50	2.21
1,2-Dibromoethane (EDB)	5*	ND		1.00	0.499	ND		0.500	0.356	ND		**0.500**	**0.402**	ND		**0.500**	**0.402**	ND		2.00	0.998	ND		1.00	0.712	ND		**0.500**	**0.402**	ND		**2.50**	**2.01**
Chlorobenzene	5*	ND		1.00	0.527	0.522		0.500	0.287	0.510		0.500	0.376	0.675		0.500	0.376	ND		2.00	1.05	ND		1.00	0.574	ND		0.500	0.376	ND		2.50	1.88
Ethylbenzene	5*	ND		1.00	0.407	ND		0.500	0.294	ND		0.500	0.344	ND		0.500	0.344	**7.75**	D	2.00	0.814	**5.06**	D	1.00	0.588	1.23		0.500	0.344	3.31	D	2.50	1.72
Total Xylenes	5*	ND		2.00	1.29	ND		1.00	0.944	ND		1.00	0.923	ND		1.00	0.923	**55.2**	D	4.00	2.58	**34.5**	D	2.00	1.89	9.44		1.00	0.923	**27.9**	D	5.00	4.62
Styrene	5*	ND		1.00	0.392	ND		1.00	0.254	ND		1.00	0.290	ND		0.500	0.290	ND		2.00	0.784	ND		2.00	0.508	ND		1.00	0.290	ND		2.50	1.45
Bromoform	50	ND		1.00	0.514	ND		0.500	0.445	ND		0.500	0.445	ND		0.500	0.445	ND		2.00	1.03	ND		1.00	0.890	ND		0.500	0.445	ND		2.50	2.23
Isopropylbenzene	5*	0.630	J	1.00	0.369	ND		0.500	0.307	0.524		0.500	0.323	ND		0.500	0.323	**10.2**	D	2.00	0.738	**7.74**	D	1.00	0.614	1.74		0.500	0.323	**5.49**	D	2.50	1.62
1,1,2,2-Tetrachloroethane	5*	ND		1.00	0.493	ND		0.500	0.495	ND		1.00	0.458	ND		0.500	0.458	ND		2.00	0.986	ND		1.00	0.990	ND		1.00	0.458	ND		2.50	2.29
1,3-Dichlorobenzene	3	ND		1.00	0.595	ND		0.500	0.286	ND		1.00	0.351	ND		0.500	0.351	ND		2.00	1.19	ND		1.00	0.572	ND		1.00	0.351	ND		2.50	1.76
1,4-Dichlorobenzene	3	ND		1.00	0.426	0.729		0.500	0.341	0.771	J	1.00	0.341	0.533		0.500	0.341	ND		2.00	0.852	0.836	DJ	1.00	0.682	ND		1.00	0.341	ND		2.50	1.71
1,2-Dichlorobenzene	3	ND		1.00	0.605	ND		0.500	0.275	ND		1.00	0.364	ND		0.500	0.364	ND		2.00	1.21	1.46	D	1.00	0.550	ND		1.00	0.364	ND		2.50	1.82
1,2-Dibromo-3-chloropropane	0.04	ND		**1.00**	**0.788**	ND		**1.00**	**0.534**	ND		**1.00**	**0.533**	ND		**1.00**	**0.533**	ND		**2.00**	**1.58**	ND		**2.00**	**1.07**	ND		**1.00**	**0.533**	ND		**5.00**	**2.67**
1,2,4-Trichlorobenzene	5*	ND		1.00	0.599	ND		1.00	0.243	ND		1.00	0.304	ND		1.00	0.304	ND		2.00	1.20	3.51	D	2.00	0.486	ND		1.00	0.304	ND		5.00	1.52
1,2,3-Trichlorobenzene	5*	ND		1.00	0.673	ND		1.00	0.253	ND		1.00	0.339	ND		1.00	0.339	ND		2.00	1.35	0.996	DJ	2.00	0.506	ND		1.00	0.339	ND		5.00	1.70
1,1,2-Trichloro-1,2,2-trifluoroethane	5*	ND		1.00	0.765	ND		1.00	0.656	ND		1.00	0.563	ND		1.00	0.563	ND		2.00	1.53	ND		2.00	1.31	ND		1.00	0.563	ND		5.00	2.82
Methyl acetate	-	ND		1.00	0.462	ND		0.500	0.348	ND		0.500	0.485	ND		0.500	0.485	ND		2.00	0.924	ND		1.00	0.696	ND		0.500	0.485	ND		2.50	2.43
Cyclohexane	-	ND		2.00	0.482	ND		0.500	0.430	ND		0.500	0.411	ND		1.00	0.411	2.87	DJ	4.00	0.964	0.940	DJ	1.00	0.860	ND		0.500	0.411	ND		5.00	2.06
Methylcyclohexane	-	ND		1.00	0.744	ND		0.500	0.358	ND		1.00	0.411	ND		0.500	0.411	4.4	D	2.00	1.49	4.23	D	1.00	0.716	ND		1.00	0.411	ND		2.50	2.06
1,3-Dichloropropene (cis- and trans-)	0.4*	ND		**1.00**	**0.409**	ND		**0.500**	**0.348**	ND		**0.500**	0.331	ND		**0.500**	0.331	ND		**2.00**	**0.818**	ND		**1.00**	**0.696**	ND		**0.500**	0.331	ND		**2.50**	**1.66**
TOTAL VOCs:	-	1	J		NA	1.25			NA	1.81	J		NA	1.21			NA	273	DJ		NA	241	DJ		NA	84.5			NA	312	D		NA
TOTAL TICs:	-	75	JN		NA	113	JN		NA	93.7	JN		NA	105	JN		NA	1620	DJN		NA	1940	DJN		NA	469	JN		NA	365	DJN		NA
TOTAL VOCs & TICs:	-	76	JN		NA	114	JN		NA	95.5	JN		NA	106	JN		NA	1890	DJN		NA	2180	DJN		NA	554	JN		NA	677	DJN		NA

BOLDED	Results above 1998 NYSDEC Ground Water Standards - GA
ND	None Detected
NA	Not Analyzed
VOCs	Volatile Organic Compounds
TICs	Tentatively Identified Compounds
*	The principal organic contaminant standard for ground water a
**	Guidance Value only.
-	No Standard
(a)	Standard based on the sum of cis- and trans- compounds

TABLE 2

Dexter Chemical - Bronx, NY
Volatile Organic Compounds in Ground Water
2016-17 Semi-Annual Sampling (4 Total Events Per NYSDEC-Approved Site Management Plan)

Sample ID	1998 NYSDEC	PZ-4				PZ-4				PZ-4				PZ-4			
Lab Sample Number	Ground Water	04751-005				10215-006				04261-008				10611-009			
Sampling Date	Standards	5/25/2016				11/1/2016				5/23/2017				12/7/2017			
Units	ug/l	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL	ug/l	Q	RL	MDL
TARGETED VOLATILE COMPOUNDS																	
Dichlorodifluoromethane	5*	ND		2.00	1.23	ND		2.00	1.03	ND		2.00	1.32	ND		5.00	3.31
Chloromethane	5*	ND		2.00	0.974	ND		1.00	0.886	ND		1.00	0.926	ND		2.50	2.32
Vinyl chloride	2	ND		2.00	1.04	ND		2.00	1.31	**2.27**	D	2.00	1.18	ND		**5.00**	**2.96**
Bromomethane	5*	ND		2.00	1.01	ND		2.00	1.03	ND		2.00	1.09	ND		5.00	2.72
Chloroethane	5*	ND		2.00	1.56	ND		2.00	0.908	ND		2.00	0.990	ND		2.50	2.48
Trichlorofluoromethane	5*	ND		2.00	1.29	ND		2.00	0.792	ND		2.00	0.866	ND		2.50	2.17
1,1-Dichloroethene	5*	ND		2.00	1.22	ND		1.00	0.658	ND		1.00	0.986	ND		2.50	2.47
Acetone	-	12.7	D	10.0	1.64	163	D	10.0	1.52	ND		4.00	2.66	ND		10.0	6.65
Carbon disulfide	60	ND		2.00	1.09	11.2	D	1.00	0.598	ND		2.00	0.928	ND		2.50	2.32
Methylene chloride	5*	ND		4.00	3.98	ND		2.00	1.98	ND		2.00	1.98	ND		5.00	4.95
trans-1,2-Dichloroethene	5*	ND		2.00	1.23	ND		1.00	0.756	ND		1.00	0.908	ND		2.50	2.27
Methyl tert-butyl ether (MTBE)	-	ND		2.00	1.16	ND		1.00	0.812	ND		1.00	0.958	ND		2.50	2.40
1,1-Dichloroethane	5*	ND		2.00	1.33	ND		1.00	0.732	ND		1.00	0.986	ND		2.50	2.47
cis-1,2-Dichloroethene	5*	**52.9**	D	2.00	1.05	**22.0**	D	1.00	0.802	**26.2**	D	1.00	0.902	**23.1**	D	2.50	2.26
2-Butanone (MEK)	-	ND		2.00	1.67	ND		2.00	1.25	ND		4.00	3.32	ND		10.0	8.31
Bromochloromethane	5*	ND		2.00	1.45	ND		2.00	1.19	ND		2.00	1.19	ND		5.00	2.98
Chloroform	7	ND		2.00	1.22	ND		1.00	0.868	ND		1.00	0.938	ND		2.50	2.35
1,1,1-Trichloroethane	5*	ND		2.00	1.00	ND		1.00	0.810	ND		1.00	0.924	ND		2.50	2.31
Carbon tetrachloride	5	ND		2.00	0.998	ND		1.00	0.630	ND		1.00	0.898	ND		5.00	2.25
1,2-Dichloroethane (EDC)	0.6	ND		2.00	1.26	ND		1.00	0.854	ND		**1.00**	**0.916**	ND		**2.50**	**2.29**
Benzene	1	**10.9**	D	**2.00**	0.782	**5.25**	D	**1.00**	0.928	**6.61**	D	1.00	0.928	**5.86**	D	**2.50**	**2.32**
Trichloroethene	5*	1.71	DJ	2.00	1.28	1.24	D	1.00	0.632	1.02	D	1.00	0.986	ND		2.50	2.47
1,2-Dichloropropane	1	ND		**2.00**	**1.16**	ND		**1.00**	**0.690**	**63.0**	D	1.00	0.894	**75.9**	D	**2.50**	**2.24**
1,4-Dioxane	-	ND		400	113	ND		200	139	ND		200	197	ND		500	492
Bromodichloromethane	50	ND		2.00	1.38	ND		1.00	0.698	ND		1.00	0.706	ND		2.50	1.77
cis-1,3-Dichloropropene	0.4 (a)	ND		**2.00**	**0.754**	ND		**1.00**	**0.696**	ND		1.00	0.662	ND		2.50	1.66
4-Methyl-2-pentanone (MIBK)	-	ND		2.00	0.850	ND		1.00	0.730	ND		2.00	1.40	ND		10.0	3.50
Toluene	5*	**71.2**	D	2.00	1.01	**36.8**	D	1.00	0.586	**54.1**	D	1.00	0.758	**46.2**	D	2.50	1.90
trans-1,3-Dichloropropene	0.4 (a)	ND		**2.00**	**0.818**	ND		**1.00**	**0.654**	ND		1.00	0.642	ND		2.50	1.61
1,1,2-Trichloroethane	1	ND		**2.00**	**1.08**	ND		**2.00**	**1.15**	ND		**2.00**	0.946	ND		**2.50**	**2.37**
Tetrachloroethene	5*	1.18	DJ	2.00	0.890	1.03	D	1.00	0.762	0.956	DJ	1.00	0.902	ND		2.50	2.26
2-Hexanone	-	ND		2.00	1.10	ND		1.00	0.704	ND		2.00	1.52	ND		10.0	3.81
Dibromochloromethane	50**	ND		2.00	0.824	ND		2.00	1.15	ND		2.00	0.884	ND		2.50	2.21
1,2-Dibromoethane (EDB)	5*	ND		2.00	0.998	ND		1.00	0.712	ND		**1.00**	**0.804**	ND		**2.50**	**2.01**
Chlorobenzene	5*	ND		2.00	1.05	ND		1.00	0.574	ND		1.00	0.752	ND		2.50	1.88
Ethylbenzene	5*	**296**	D	2.00	0.814	**190**	D	1.00	0.588	**294**	D	1.00	0.688	**209**	D	2.50	1.72
Total Xylenes	5*	**1610**	D	10.0	6.44	**1340**	D	5.00	4.72	**2020**	D	10.0	9.23	**1330**	D	5.00	4.62
Styrene	5*	ND		2.00	0.784	ND		2.00	0.508	ND		2.00	0.580	ND		2.50	1.45
Bromoform	50	ND		2.00	1.03	ND		1.00	0.890	ND		1.00	0.890	ND		2.50	2.23
Isopropylbenzene	5*	**50.2**	D	2.00	0.738	**38.0**	D	1.00	0.614	**48.7**	D	1.00	0.646	**39.1**	D	2.50	1.62
1,1,2,2-Tetrachloroethane	5*	ND		2.00	0.986	ND		1.00	0.990	ND		2.00	0.916	ND		2.50	2.29
1,3-Dichlorobenzene	3	ND		2.00	1.19	ND		1.00	0.572	ND		2.00	0.702	ND		2.50	1.76
1,4-Dichlorobenzene	3	1.95	DJ	2.00	0.852	1.48	D	1.00	0.682	1.79	DJ	2.00	0.682	ND		2.50	1.71
1,2-Dichlorobenzene	3	**12.5**	D	2.00	1.21	**8.94**	D	1.00	0.550	**10.3**	D	2.00	0.728	**8.66**	D	2.50	1.82
1,2-Dibromo-3-chloropropane	0.04	ND		**2.00**	**1.58**	ND		**2.00**	**1.07**	ND		**2.00**	**1.07**	ND		**5.00**	**2.67**
1,2,4-Trichlorobenzene	5*	ND		2.00	1.20	ND		2.00	0.486	ND		2.00	0.608	ND		5.00	1.52
1,2,3-Trichlorobenzene	5*	ND		2.00	1.35	ND		2.00	0.506	ND		2.00	0.678	ND		5.00	1.70
1,1,2-Trichloro-1,2,2-trifluoroethane	5*	ND		2.00	1.53	ND		2.00	1.31	ND		2.00	1.13	ND		5.00	2.82
Methyl acetate	-	ND		2.00	0.924	ND		1.00	0.696	ND		1.00	0.970	ND		2.50	2.43
Cyclohexane	-	3.07	DJ	4.00	0.964	1.08	D	1.00	0.860	ND		1.00	0.822	ND		5.00	2.06
Methylcyclohexane	-	4.23	D	2.00	1.49	4.42	D	1.00	0.716	ND		2.00	0.822	ND		2.50	2.06
1,3-Dichloropropene (cis- and trans-)	0.4*	ND		**2.00**	**0.818**	ND		**1.00**	**0.696**	ND		**1.00**	**0.662**	ND		**2.50**	**1.66**
TOTAL VOCs:	-	2130	DJ		NA	1820	D		NA	2530	DJ		NA	1740	D		NA
TOTAL TICs:	-	3140	DJN		NA	3160	DJN		NA	4570	DJN		NA	2390	DJN		NA
TOTAL VOCs & TICs:	-	5270	DJN		NA	4980	DJN		NA	7100	DJN		NA	4130	DJN		NA

BOLDED	Results above 1998 NYSDEC Ground Water Standards - GA
ND	None Detected
NA	Not Analyzed
VOCs	Volatile Organic Compounds
TICs	Tentatively Identified Compounds
*	The principal organic contaminant standard for ground water a
**	Guidance Value only.
-	No Standard
(a)	Standard based on the sum of cis- and trans- compounds

Attachment 1

Site Management Periodic Review Report Institutional and Engineering Controls Certification Forms

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. V00186

Site Name Dexter Chemical Corporation

Site Address: 819-845 Edgewater Road & 810-842 Whittier St. Zip Code: 10474
City/Town: Bronx
County: Bronx
Site Acreage: 1.642

Reporting Period: March 02, 2020 to March 02, 2023

	YES	NO
1. Is the information above correct?	■	□
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	□	■
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	□	■
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	□	■
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	□	■

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	■	□
7. Are all ICs in place and functioning as designed?	■	□

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. V00186 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
	Edgewater Realty ****Name changed to:** **10454 LLC & 10454 LLC**	Soil Management Plan Monitoring Plan Soil Management Plan Monitoring Plan O&M Plan Site Management Plan Soil Management Plan Monitoring Plan Site Management Plan O&M Plan IC/EC Plan Landuse Restriction Ground Water Use Restriction Landuse Restriction Ground Water Use Restriction Landuse Restriction Ground Water Use Restriction Landuse Restriction IC/EC Plan O&M Plan IC/EC Plan Soil Management Plan Monitoring Plan Site Management Plan O&M Plan IC/EC Plan Ground Water Use Restriction Landuse Restriction Site Management Plan Ground Water Use Restriction Soil Management Plan Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

- Site Management Plan
- Vegetable gardens and farming on the Controlled Property are prohibited;
- The use of the groundwater underlying the Controlled Property is prohibited without treatment rendering it safe for intended purpose, except for investigation or remediation;
- All future activities on the Controlled Property that will disturb residual contaminated material are prohibited unless they are conducted in accordance with the soil management provisions in the SMP;
- The Controlled Property may only be used for commercial and industrial use, provided that the long-term Engineering and Institutional Controls included in the SMP are employed.
- The Controlled Property may not be used for a higher level of use, such as restricted residential use without an amendment or the extinguishment of this Declaration of Covenants and Restrictions.
- - Compliance with the DCR by the Grantor and the Grantor's successors and assigns with all elements of the SMP;
- All Engineering Controls must be operated and maintained as specified in the SMP;

- Engineering Controls may not be disturbed or damaged, except as permitted by the SMP, the DCR, or as permitted or required by NYSDEC.
- All Engineering Controls on the Controlled Property must be inspected and certified at a frequency and in a manner defied in the SMP.
- Groundwater, soil vapor and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to Site Management for the Controlled Property must be reported to NYSDEC at the frequency and in a manner defined in the SMP;
- All ECs and all on-Site environmental monitoring devices, including but not limited to, groundwater monitoring wells and soil vapor probes, must be protected, maintained, repaired and replaced as necessary to ensure the ECs and devices function in the manner specified in the SMP.
- Engineering Controls may not be removed or otherwise discontinued without an amendment or the extinguishment of the DCR.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
	Cover System
	Cover System
	Cover System
	Cover System
	Cover System

Site Cover System comprised of asphalt-covered roads and areas, concrete-covered sidewalks and areas and concrete building slabs and floors.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
■	□

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
■	□

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative — Date

IC CERTIFICATIONS
SITE NO. V00186

Box 6

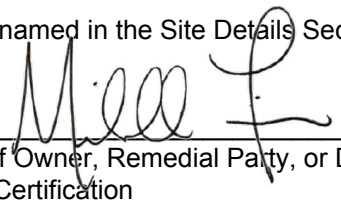
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Michelle Tivnan (print name) at 20 W. 22nd Street, Suite 605, New York, NY 10010 (print business address),

am certifying as Designated Representative (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.



Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

03/29/2023
Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Michael W. Wellet at 100 Franklin Square Drive, Suite 200 Somerset, NJ 08873,

print name — print business address

am certifying as a Professional Engineer for the Owner

(Owner or Remedial Party)

Michael W Wellet — 3/29/23

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification | Stamp (Required for PE) | Date

Attachment 2

Annual Monitoring Report Form for Institutional & Engineering Controls - Field Form

2021, 2022, 2023 Inspections

ANNUAL MONITORING REPORT FORM FOR INSTITUTIONAL & ENGINEERING CONTROLS

I. Background Site Information

A. Facility Name and Location:

Business Name as it appears on the Declaration of Covenants and Restrictions (DCR): Edgewater Realty, LLC

Name of the current operator at the site (if different than above): 10454 LLC & 10454 LLC (Name change, same entity)

Property Street Address(es): 819-845 Edgewater Road and 810-842 Whittier Street Bronx, NY 10474

Municipality (-ies): Bronx County (-ies): Bronx

Blocks: 2762

Lots: 257, 272, 294, 299 and 300

Year of Tax map from which this information is obtained: 1908, 1921, 1924

B. Person responsible for submitting the annual monitoring report:

Person's Name: Bernard Tivnan
Person's Title: Member
Business Name: Edgewater Realty, LLC

Relationship to the Site (check as appropriate): Owner X Operator _____
Lessee _____ Person Who Conducted the Cleanup _____
Other (describe) _____

Street Address: 421 Bruckner Boulevard
City: Bronx State: NY 10455
Telephone Number: (718) 292 - 4882 ext. 233
FAX Number: (718) 585 - 3409
E-mail Address: btivnan@riverdaleelectrical.com

C. All Current Owner, Lessee(s) and Operator(s) [SEE Attached]

Name of Person: _____
Business Name: _____
Relationship to the Site: Owner _____ Operator _____ Lessee _____
Street Address: _____
City: _____ State: _____
Telephone Number: (___) ___-____
FAX Number: (___) ___-____
E-mail Address: _____

D. Case Specific Information (Complete all that apply)

- VCA Site Name Dexter Chemical Corporation
- VCA Site # V00186
- Index # W2-0864-03-08
- Date of VCA December 3, 2003
- Name and Bureau of assigned Case Manager at the time the VCA/DCR was issued.
  Nigel N. Crawford, P.E. - NYSDEC Region 2

E. Existing Site Conditions

- Describe the physical characteristics of the Site. The entire site is overlain with impermeable surfaces, consisting of a composite cap composed of asphat covered roads, and areas, concrete covered sidewalks and areas and concrete building slabs and floors.
- Describe the current site operations. Current site operations include marble/stoneworking, contractor, hardware, cabinet and goods storage, metal and woodworking, and consumable and goods storage and distribution.
- Describe each engineering control that applies to the Restricted Areas.
  The entire site is restricted. The engineering control covering the entire site includes a composite cover system comprised of asphalt-covered roads and areas, concrete-covered sidewalks and areas and concrete building slabs and floors.

II. Protectiveness Evaluation

A. Deed Notice & Engineering Control Information

- Provide the following information for the recorded DCR:

Book Number: Recording Identifier #: 20130225012220010 01E6657
Page Number: _____
Date the date the Deed Notice/DER was filed in the office of the county recording officer: September 26, 2012

- Have any amendments and/or additional filings been recorded that may modify or supersede the DCR and Exhibits?

Yes ____ No X

If you answered "Yes", provide an explanation. Also provide the Book and Page Number of the amendment and/or additional filing and the date it was filed in the office of the county recording officer. Attach a copy of the amendment and/or additional filing in Attachment 2: DCR Amendment.

_____
_____
_____
_____

B. Evaluation of Institutional and Engineering Controls

1. Zoning or Land Use Changes

a. Land use at the time the DCR was filed (check all that apply):
Non-Residential X Residential _____ Agricultural _____ Other _____

b. Current land use (check all that apply):
Non-Residential X Residential _____ Agricultural _____ Other _____

If the current land use is different than the land use at the time the DCR was filed, explain how the remedial action, which included the DCR, remains protective of public health and safety. Include the Case Manager's name and Bureau that approved this change, if applicable.

_____
_____

c. Has there been an actual or pending zoning or land-use change for the Restricted Area on which the DCR is filed?

Yes ____ No X (If No, proceed to #2, below)

There is an actual or pending zoning or land-use change on the Restricted Area which is consistent with the use restrictions. That change will not undermine the protectiveness of the remedial action that includes a DCR in a manner such that could prevent the remedial action from meeting the applicable health risk standard, and protection of public health, safety, and of the environment.

The result of the evaluation was either (1) the control remains protective, (2) an actual change occurred, the control was no longer protective and a description of what was done to make the control protective, or (3) a pending change will occur which will result in the control no longer being protective and a description of what was/will be done to make the control protective.

The details of the actual or pending zoning or land-use changes and any potential impact are provided below:

2. Inspections

Have periodic inspections of the site identified any excavation or other disturbance activities that have taken place within the restricted areas?

Yes____No X (If No, proceed to "3")

An excavation or other disturbance activity has taken place within the restricted areas and any disturbances of the soil at the site have not resulted in unacceptable exposure to the soil contamination. A full description of the disturbance and the method to restore all controls, compliance with all guidelines of the SoMP, applicable health and safety laws and regulations and methods to ensure that exposure to contamination in excess of the applicable remediation standard did not occur are provided below. If the disturbance resulted in an unacceptable exposure to the soil contamination explain how this was remedied.

Date(s) of Disturbance: _____

Duration of Disturbance: Years ____ Months ____ Days ____
Date the NYSDEC was notified: _____
Description of the disturbance and methods to address the disturbance:

_____
_____
_____

Name of Contact Person Relative to the Disturbance:

_____
Title: _____
Street Address: _____
City: _____ State: _____ Zip Code: _____
Telephone Number: _____
Email Address: _____

Was all soil excavated and returned to the Restricted Area?

Yes____No_____ (If No, provide an explanation)

_____
_____
_____

Quantity of soil generated for disposal (if applicable): _____ tons
Provide the destination of all materials removed from the Site during work performed.

Attach Transportation/disposal/approvals for receipt documentation.

Provide an explanation of how the engineering control was replaced following the disturbance?

_____
_____
_____

Provide an explanation of how the engineering control was replaced following the disturbance?

_____
_____
_____

3. Changes to Laws and Regulations

a. Are there any subsequently promulgated or modified environmental laws or regulations, which apply to the site?

Yes ____ No X (If No, proceed to #4 below)

b. If Yes, has the evaluation also determined that the each DCR and engineering control, as applicable, meets the requirements of the new laws and regulations?

Yes____No_____ (If Yes, proceed to #4 below)

c. Each DCR and engineering control, as applicable that did not meet the requirements of the new laws and regulations has been addressed in the following manner to bring them into compliance:

_____
_____
_____

4. SVE/AS System Not Applicable

Has a failure of the SVE/AS system occurred since the last Annual Site Inspection?

Yes(____) No(_____)

A description of the system failure and the methods/repairs conducted to restore all controls and compliance with all guidelines of the SMP are provided below.

_____
_____
_____

Date(s) of System Failure:

_____

Duration of Failure: Months ____ Days ____ Hours ____
Description of the system failure and methods to address the system failure:

_____
_____
_____

Name of Contact Person Relative to the System Failure:

_____
Title: _____
Street Address: _____
City: _____ State: _____ Zip Code: _____
Telephone Number: _____
Email Address: _____

Are operation and maintenance logs for the Soil Vapor Extraction and Air Sparge system as provided in the SMP complete and available for review?

Yes ____No ____ (If No, provide an explanation)

_____
_____

ITEM C. ATTACHMENT

TENANT LIST 2023

1. Name of Contact: Juan Puebla
   Business Name: MP Tiling S Corp.
   Relationship to Site: Tenant
   Street Address: 819 Edgewater Road, Bronx, NY 10474
   Telephone Number: (917) 773-4742

2. Name of Contact: Mohamed Shaheed
   Business Name: SSD Pallets
   Relationship to Site: Tenant
   Street Address: 819 Edgewater Road, Bronx, NY 10474
   Telephone Number: (646) 752-7475

3. Name of Contact: David Magnotta
   Business Name: IP Trading
   Relationship to Site: Tenant
   Street Address: 835 Edgewater Road, Bronx, NY 10474
   Telephone Number: (212) 980-5959 x: 205

4. Name of Contact: Mark Roth
   Business Name: Dessurt Corp.
   Relationship to Site: Tenant
   Street Address: 845 Edgewater Road, Bronx, NY 10474
   Telephone Number: (917) 676-1080

5. Name of Contact: Mark Azzopardi
   Business Name: KNG Construction
   Relationship to Site: Tenant
   Street Address: 810 Whittier Street, Bronx, NY 10474
   Telephone Number: (917) 704-6050

6. Name of Contact: Mark Roth
   Business Name: Dessurt Corp.
   Relationship to Site: Tenant
   Street Address: 812 Whittier Street, Bronx, NY 10474
   Telephone Number: (917) 676-1080

7. Name of Contact: Narendra Iachmansingh
   Business Name: Quality Sheet Metal
   Relationship to Site: Tenant
   Street Address: 828 Whittier Street, Bronx, NY 10474
   Telephone Number: (718) 529-2426

8. Name of Contact: Francisco
   Business Name: Mr. Cake Bakery & Desserts
   Relationship to Site: Tenant
   Street Address: 830 Whittier Street, Bronx, NY 10474
   Telephone Number: (646) 441-0388

9. Name of Contact: David Magnotta
   Business Name: IP Trading
   Relationship to Site: Tenant
   Street Address: 832 Whittier Street, Bronx, NY 10474
   Telephone Number: (212) 980-5959 x: 205

10. Name of Contact: Serge Lazarev
    Business Name: Green Tree Textiles
    Relationship to Site: Tenant
    Street Address: 834 Whittier Street, Bronx, NY 10474
    Telephone Number: (908) 245-9300

11. Name of Contact: Mark Ficken
    Business Name: Triumph Construction
    Relationship to Site: Tenant
    Street Address: 840 Whittier Street, Bronx, NY 10474
    Telephone Number: (718) 861-6060

12. Name of Contact: Keith Cohen
    Business Name: Oven Artisans
    Relationship to Site: Tenant
    Street Address: 842 Whittier Street, Bronx, NY 10474
    Telephone Number: (718) 618-7438