



**REMEDIATION INVESTIGATION
WORK PLAN**

for

FORMER ZOE CHEMICAL SITE

**1801 Falmouth Avenue
New Hyde Park, New York
NYSDEC Site # 1-30-211**

**October 2017
Revised April 2018
Revised May 2018**

Prepared for:

**SEABOARD ESTATES, INC.
c/o BEVERIDGE & DIAMOND, LLC
477 Madison Avenue, 15th Floor
New York, NY 10022-5802**

and

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12207**

Prepared by:

**CA RICH CONSULTANTS, INC.
17 Dupont Street
Plainview, NY 11803**

CERTIFICATION

I, Richard Izzo, certify that I am currently a Qualified Environmental Professional as defined by 6 NYCRR Part 375 and that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

AIPG Certificate No. 9644

5/23/18



Certified Professional Geologist #

Date

Signature



CPG Stamp



October 18, 2017
Revised April 30, 2018
Revised May 23, 2018

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
625 Broadway, 12th Floor
Albany, New York 12207

Attention: Brian Jankauskas, Project Manager

Re: **REMEDIAL INVESTIGATION WORK PLAN**
Former Zoe Chemical Site
1801 Falmouth Avenue, New Hyde Park, N.Y.
NYSDEC Site No.: 1-30-211

Dear Mr. Jankauskas:

On behalf of Seaboard Estates, Inc., CA RICH Consultants, Inc. are pleased to submit the attached Remedial Investigation Work Plan for the above-referenced property.

Sincerely,

CA RICH Consultants, Inc.

A handwritten signature in black ink that reads "Jessica Proscia".

Jessica Proscia, EP
Project Manager

cc: see attached distribution

Distribution List

1801 Falmouth Avenue, New Hyde Park, NY - NYSDEC Site #1-30-211

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**REMEDIAL INVESTIGATION WORK PLAN
FORMER ZOE CHEMICAL SITE**

**1801 Falmouth Avenue
New Hyde Park, New York
NYSDEC Site # 1-30-211**

1.0 INTRODUCTION AND PURPOSE

CA RICH Consultants, Inc. (CA RICH) is pleased to present this Remedial Investigation Work Plan for the Former Zoe Chemical Site located in New Hyde Park, NY (the Site). A Property Location Map is attached as Figure 1.

This Work Plan addresses the proposed investigation activities to be completed as a further characterization and follow-up investigation based on the information gathered and discussed in the below referenced Reports that were previously submitted and approved by New York State Department of Environmental Conservation (NYSDEC) and is based upon the guidelines set forth in NYSDEC's DER-10 Technical Guidance for Site Investigations and Remediation (Ref. 4).

- 1) CA RICH Consultants, Inc., Site Characterization Work Plan, Former Zoe Chemical, 1801 Falmouth Ave., New Hyde Park, NY, January 2013.
- 2) CA RICH Consultants, Inc., Site Characterization Report, Former Zoe Chemical, 1801 Falmouth Ave., New Hyde Park, NY, July 2014.
- 3) CA RICH Consultants, Inc., Interim Remedial Measures Work Plan, Former Zoe Chemical, 1801 Falmouth Ave., New Hyde Park, NY, January 2015.
- 4) CA RICH Consultants, Inc., Construction Completion Report – Part A, Former Zoe Chemical, 1801 Falmouth Ave., New Hyde Park, NY, February 2016.
- 5) CA RICH Consultants, Inc., Construction Completion Report – Part B, Former Zoe Chemical, 1801 Falmouth Ave., New Hyde Park, NY, June 2017.

1.2 Site History

According to records obtained by at the Town of North Hempstead Building Department (TNHBD) a Certificate of Occupancy was issued in December 1962 and the first tenant of the building was Zoe Chemical. Zoe Chemical utilized the Site to blend and package a number of different cleaning products until 1992. Between 1992 and 1997, the building was only partially occupied by Stoll of America, an operator of knitting machines; and Ruby's Costumes, a warehouse for Halloween costumes. In 1999, the Site was occupied by COC/Aceto (Aceto). Aceto manufactured and distributed deodorizing cakes for urinals. Aceto vacated the space in 2006. Since 2006 the building has been occupied by Stober/Probuild, a distributor of lumber and building materials.

Between February 2010 and May 2011, NYSDEC contracted the services of MACTEC Engineering and Consulting, P.C. (MACTEC) to investigate possible sources of perchloroethene (PCE) and trichloroethene (TCE) groundwater contamination that have impacted two municipal supply wells in New Hyde Park, NY. These wells, identified as N-7649 and N-7650, are approximately 1-½ miles southwest and hydraulically downgradient of the Site. During the course of this investigation, groundwater borings were installed in the sidewalk in front of the Site. The results of water samples from two of the borings displayed elevated levels of TCA and its degradation products from a depth of 20 feet to 25 feet below grade immediately downgradient of the Site.

In 2013 CA RICH performed Site Characterization activities to further investigate the soil, groundwater, and soil vapor at the Site. The CA RICH Site Characterization Report dated July 2014 concluded the following:

Previous Groundwater Investigations

Four permanent on-Site shallow groundwater monitoring wells (MW-1 through MW-4) were installed in April 2013 as part of the Site Characterization. Additionally, five deep groundwater borings (DGB-1 through DGB-5) as well as two shallow groundwater borings (SGB-1 and SGB-2) were also installed in October 2013 as part of the Site Characterization. The results of the analysis of these samples indicated that the highest contamination occurred in monitoring well MW-4 for TCA at a concentration of 962 ug/l (ppb). The compound perchloroethene (PCE) was detected at 8.0 ug/L in MW-2 and 13.2 ug/L in MW-4. Both MW-1 and MW-4 are located on the eastern half of the Site. The only other groundwater exceedance of TCA was identified in on-Site point SGB-1 at 33.1 ug/L. The groundwater standard for TCA is 5 ug/l. There were no exceedances of TCA in the groundwater sampling point placed downgradient of the former

cesspools/wastewater holding tanks. A map illustrating the locations of previous groundwater samples and permanent monitoring wells are included on Figure 2.

Previous Soil Investigations

Interior and exterior soil borings were installed in April, September and October 2013 as part of the Site Characterization. The soil sampling performed during this investigation did not reveal detections of TCA above Part 375 Commercial Soil Cleanup Objectives (SCOs) either below the floor of the building or in the subject Property lot. No other VOCs or Semi-Volatile Organic Compounds (SVOCs) exceeded their respective Part 375 Commercial SCOs. There were exceedances of pesticides and metals that were identified exceeding their Part 375 Commercial SCOs, which were found mostly in the soil located within the area of the former cesspool. A map illustrating the locations of all the soil boring locations is included on Figure 3.

Previous Soil Vapor Investigation

Four exterior soil vapor points (SV-1 through SV-4) were installed to eight feet below grade in the eastern parking lot of the Property in September 2013 as part of the Site Characterization. The results of the soil vapor sampling indicated that the concentration of TCA ranged from 11 ug/m³ in SV-3 to 3,260 ug/m³ in SV-4. Acetone, benzene, chloromethane, cyclohexane, dichlorodifluoromethane, ethanol, ethylbenzene, ethyl acetate, 4-ethyltoluene, heptane, hexane, isopropyl alcohol, methyl ethyl ketone, styrene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2,2,4-trimethylpentane, tetrachloroethylene, tetrahydrofuran, toluene, trichloroethylene, trichlorofluoromethane, m & p-xylene, and o-xylene were detected at low concentrations in the indoor air sample. Additionally, similar compounds were detected in the ambient air. TCA was not detected in the ambient air sample.

Four interior sub-slab soil vapor points (SSV-1 through SSV-4) were installed in September 2013 as part of the Site Characterization. The results for the sub-slab vapor were compared to the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York. The concentration of TCA in SSV-1 was 182,000 ug/m³ and SSV-2 was 18,800 ug/m³, which according to the NYSDOH Decision Matrices are both in the "Mitigation" range. The sub-slab vapor at the SSV-3 location contained a TCA concentration of 31 ug/m³, which is in the "No Further Action" range. Additionally, the sub-slab vapor concentration of TCA in SSV-4 was 400 ug/m³, which is in the "Monitor" range. A map illustrating the locations of all the interior sub-slab soil vapor points and exterior soil vapor points are included on Figure 4.

Former Sanitary System Sampling

The former sanitary system was investigated in April 2013 as part of the Site Characterization. Once the covers were removed, the two 7-foot diameter pools, designated S-1 and S-2 were investigated and found to contain solid bottoms and were likely used as holding tanks. However, as the perched water sample contained detections of contaminants similar to those detected in the soil from the sanitary structures some degree of leakage from the pools may have occurred. On April 25, 2013 a Geoprobe drilling system was utilized to obtain a sample from each of the pools. The Geoprobe drilling identified a solid bottom in sanitary pool S-1 at seven feet and at five feet in S-2. The structures appear to have been backfilled with soil, and therefore, observations detailing the bottom of the structures could not be made. One sample was obtained from each of the pools at the deepest depth above the pool bottoms and sent to the laboratory for analysis. The results indicated that no VOCs were detected exceeding their Part 375 commercial use SCOs in S-1 or S-2. However, S-1 contained ethylbenzene, toluene, and xylenes. S-2 (the pool closest to the building) contained TCA at a concentration of 1,110 ug/kg.

In February 2015, the former cesspools were removed. During this activity, the western pool was found to contain a solid bottom (septic tank), whereas the eastern pool contained perforated walls and a sediment bottom (leaching pool). Confirmatory endpoint samples were collected from the excavation. The endpoint samples were acceptable and the excavation was backfilled with clean quarry sand. A map illustrating the location of the former sanitary system is included on Figure 4.

Installation of the Soil Vapor Extraction System

Based on the sub-slab soil vapor sample results, an SVE system was installed at the Site in 2016. The SVE system incorporates three sub-slab vents that were installed inside the building during the pilot test, these were converted into permanent sub-slab depressurization vents. Four-inch diameter PVC ducts were extended and connected above the roof of the existing structure. These were, in turn, connected to four-inch diameter "capped" risers. Additionally, three, 2-inch SVE wells were also installed in the Site's parking lot. These wells were horizontally connected with subsurface PVC piping which enter the Site building through the eastern exterior wall where the SVE system is located. All SVE vents and wells are connected to a moisture knock drum and then to an Airtech® Vacuum 4.62 HP regenerative blower. The extracted soil vapor is then passed through two 55-gallon vapor-phase-carbon drums. The treated vapor is then connected to a four-inch pipe that extends through the roof to a height of six feet above the roof line. The blower is connected to an electric panel and sub-meter. The remediation system has been in continuous operation with the exception of carbon drum change outs since September 2016, with

weekly system visits conducted to ensure system operation until the telemetry system was installed (December 2017). Monthly Progress and Quarterly Monitoring Reports have been documenting the SVE systems progress since the start-up.

2.0 ADDITIONAL ON-SITE INVESTIGATION

2.1 Objectives

The objectives for the on-site portion of the investigation are to further investigate the uppermost groundwater quality, as well as to re-evaluate the soil quality in specific areas identified during the 2013 Site Characterization.

2.2 Groundwater Sampling

There are four permanent groundwater monitoring wells located on-site (Figure 2). All monitoring wells will be sampled via a Wattera Hydrolift II Pump with the stainless steel foot valve. Prior to sampling, at least three times the volume of water will be removed from each monitoring well using new high-density polyethylene (HDPE) tubing. Monitoring well purge water will be disposed of into the County's sewer system as it has during the past groundwater sampling, as approved by the Nassau County Department of Public Works. In addition, the following samples will be collected for QA/QC purposes: one trip blank, one field blank, one duplicate sample, one matrix spike, and one matrix spike duplicate. Groundwater samples will be collected directly from HDPE tubing into laboratory-issued containers. Samples will be stored on ice pending shipment to a New York State ELAP certified laboratory. All samples will be uniquely identified and all information associated with the samples will be recorded utilizing standard chain-of-custody sampling protocols.

In addition, one shallow groundwater boring will be installed on the opposite side of Falmouth Avenue. This boring will be installed utilizing a Geoprobe drill rig to the shallow water table to determine the quality of the uppermost groundwater presently occurring downgradient of the Sites former cesspool location. As the depth to shallow groundwater is approximately 30 feet below grade, the groundwater boring will be installed to a depth of 40 feet below grade or 10 feet through the shallow groundwater table into the uppermost zone of saturation. Samples will be collected using HDPE tubing and a stainless steel check valve lifted up and down to achieve a flow of water. The boring will be purged approximately three tubing volumes prior to sampling. Groundwater parameters (e.g., turbidity, pH, temperature, conductivity, etc.) will be obtained prior to sampling.

Groundwater samples from the monitoring wells and off-site boring will be analyzed for the Target Compound List (TCL) of Volatile Organic Compounds (VOCs) via EPA Method 8260C; TCL Semi-Volatile Organic Compounds (SVOCs) via EPA Method 8270; pesticides via EPA Method 8081; PCBs via EPA Method 8082; total and dissolved Target Analyte List (TAL) of metals via Methods SW6010 and SW7471B, 1,4 dioxane via EPA Method 8270SIM, and perfluorinated chemicals via EPA Method 537MOD. All analyses will be reported using NYSDEC ASP Category B deliverables. The laboratory data will be reviewed by a qualified Data Validator and a Data Usability Summary Report (DUSR) will be prepared. The reporting limits and method detection limits for the analytical results are provided in Appendix A.

2.3 Re-Evaluation of Soil Quality

During CA RICH's 2013 Site Characterization, several soil borings were installed in both the interior of the Site structure and in the associated exterior parking lot. No VOCs, SVOCs, pesticides, PCBs, or metals were identified in the interior soil borings exceeding their NYSDEC Part 375 Commercial Soil Cleanup Objectives (SCOs) (Ref.1). However, there were four borings (in the exterior parking lot) that did identify certain compounds over their respective commercial standards. These soil borings are discussed individually below:

- **SB-1** was installed in the north east side of the exterior parking lot. A sample was obtained from zero to two feet below grade. SB-1 did not identify any VOCs, SVOCs, pesticides, or PCBs exceeding their commercial SCOs. However, metals cadmium (15.9 mg/kg) and copper (736 mg/kg) were identified exceeding their commercial SCOs.
- **SGB-1** was installed in the western side of the exterior parking lot. A sample was obtained from 10 to 12 feet below grade. SGB-1 did not identify any VOCs, SVOCs, or PCBs exceeding their commercial SCOs. However, the metal mercury (7.2 mg/kg), and the pesticide dieldrin (4,620 ug/kg) were identified exceeding their commercial SCOs.
- **SB-6** was installed in the southern side of the exterior parking lot in the area of the Site's out-of-service cesspools. Samples were obtained from 8 to 9 feet and 10 to 11 feet below grade. SB-6 did not identify any VOCs, SVOCs, or PCBs exceeding their commercial SCOs. However, the metal mercury (36.7 mg/kg in the 8-9 foot sample), and the pesticides dieldrin (16,700 ug/kg in 8 to 9 foot sample and 2,220 ug/kg in 10 to 11 foot sample) and Aldrin (1,470 ug/kg in 10 to 11 foot sample) were identified exceeding their commercial SCOs.

- **SSB** was installed in the southern side of the exterior parking lot immediately north of the Site's out-of-service cesspools. A sample was obtained from 5 to 8 feet below grade. SSB did not identify any VOCs, SVOCs, or PCBs exceeding their commercial SCOs. However, the metal mercury (34 mg/kg), and the pesticide dieldrin (1,760 ug/kg) were identified exceeding their commercial SCOs.

Based on the concentrations of metals and pesticides in samples collected at these discrete locations, the following scope of work is proposed to determine the horizontal and vertical extent of the contamination:

Ten exterior soil borings shall be advanced to 12 feet below surface grade utilizing the Geoprobe drilling system. The borings will be strategically installed to delineate the horizontal extent of the pesticides and metals previously identified in the above referenced sample locations. Three soil samples (0-2, 5-8, and 10-12 feet) will be obtained from each soil boring for laboratory analysis (a total of 30 samples). Soil samples will be continuously screened and examined for evidence of contamination with a Photo-Ionization Detector (PID) using an 11.7 ev bulb and for evidence of chemical staining. If elevated PID readings or visible contamination is observed, a sample will be collected for full TCL/TAL analysis. Soil cuttings will be drummed and sampled for proper disposal. Borings will be filled with clean sand and covered with similar existing pavement. The testing parameters will include pesticides via EPA Method 8081 and total TAL metals via Methods SW6010 and SW7471B. Samples will be collected by utilizing Geoprobe's, direct push macro core sample sleeves. Samples will be stored on ice pending shipment to a New York State ELAP-certified laboratory. All samples will be uniquely identified and all information associated with the samples will be recorded utilizing standard chain-of-custody sampling protocols. In addition, the following QA/QC samples will be collected during the soil sampling event: one trip blank, one field blank, one duplicate sample, one matrix spike and one matrix spike duplicate. All analyses will be reported using NYSDEC ASP Category B deliverables. The laboratory data will be reviewed by a qualified Data Validator and a DUSR will be prepared. The reporting limits and method detection limits for the analytical results are provided in Appendix A. A drawing depicting the proposed locations of the soil borings is included as Figure 5.

3.0 OFF-SITE INVESTIGATION

During CA RICH's 2013 Site Characterization, VOC vapors were identified beneath the building slab. A Soil Vapor Extraction (SVE) system was installed in 2016 and is currently being operated to control the existing sub-slab vapors and the vapors emanating from the residual contamination in the subsurface.

3.1 Off-Site Access

Ten buildings have been selected for the off-site soil vapor intrusion evaluation. The addresses are listed below:

- 145 Denton Avenue
- 135 Denton Avenue
- 1840 Falmouth Avenue
- 1833 Gilford Avenue
- 1818 Falmouth Avenue
- 1819 Gilford Avenue
- 1815 Gilford Avenue
- 1811 Gilford Avenue
- 1807 Gilford Avenue
- 1801 Gilford Avenue

First, letters will be sent via certified mail to each of the properties listed above requesting permission to perform this soil vapor intrusion sampling. A Property Access Agreement will be included with each letter. If permission is not granted as requested by letter, CA RICH will visit each property in an attempt to speak with each tenant and/or owner about gaining access. Lastly, if permission is not granted, CA RICH will confer with NYSDEC about helping in obtaining access to these properties. Should permission then be granted by the property owner, a walk through inspection will be completed to inventory any chemicals stored within the area of the proposed sampling, then a temporary sub-slab soil vapor sampling point will be installed in the basement, or the lowest floor level of each structure. Additionally, if sumps containing water are encountered at any of the above referenced properties, a sump water sample will be obtained and analyzed for VOCs via USEPA Method 8260.

Two additional temporary soil vapor samples will be collected beneath the sidewalks at a depth of five feet below grade on the sides of the Site where no structures are located to obtain interior sub-slab samples. One will be installed on Evergreen Avenue (immediately north of the Site), the second point will be installed on Gould Street (immediately west of the Site).

3.2 Sampling Point Installation and Sampling

Two temporary soil vapor samples as well as ten sub-slab soil vapor sample locations have been proposed. Pending access to the ten locations, temporary sub-slab soil vapor points will be installed. The sub-slab points will be installed utilizing a Bosch™ Hammer Drill, whereas the temporary soil vapor points will be installed utilizing a Geoprobe drilling system. Both the sub-slab and temporary soil vapor points shall be constructed of a stainless steel screen connected to high density ¼-inch tubing. The annular space around the screened zone shall be filled with No. 2 Morie sand. The sub-slab points will be completed with a surface seal consisting of beeswax, whereas the temporary soil vapor points will utilize bentonite as the surface seal. All work will be performed in accordance with the NYSDOH “Guidance for Evaluating Soil Vapor Intrusion in the State of New York” dated October 2006, Revised May 2017 (Ref. 2). Concurrently associated indoor air samples will be taken with all sub-slab vapor samples. In addition, one outdoor (background ambient) air sample will also be collected from each side of the Site (a total of four).

One sample will be collected from each temporary sampling points at least 24-hours after installation. The indoor air samples will be collected from inside the neighboring structures if permission is granted.

Prior to sampling, one to three volumes of soil gas will be purged from the soil vapor point using a calibrated air sampling pump. The air will be purged directly into a Tedlar® bag to prevent the release of potential air contaminants from beneath the building slabs and into the indoor air. Purged air will be screened for VOCs outside of the buildings. A bucket will then be placed over the sample assembly and helium gas will be used to enrich the atmosphere around the sample location in combination with real-time air monitoring (for helium) to verify that ambient air is not infiltrating the sampling assembly during purging and sampling. In addition to performing tracer gas readings prior to the collection of sub-slab soil vapor samples, the same procedure will be repeated after the sampling is performed to ensure that a proper seal was maintained throughout the entire sample duration.

Once confirmed that ambient air is not being drawn into the assembly, the tubing will be connected to a six liter SUMMA canister and a sample will be collected. The SUMMA canister regulators for the soil vapor, indoor air and outdoor air samples will be set to restrict the sample collection to not exceed 0.2 liters per minute over an eight-hour-time period. After the sample has been obtained the soil vapor will be screened for the presence of VOCs using a PID. The canisters will be submitted to a NYSDOH-certified laboratory for analysis of VOCs via EPA method TO-15 under chain-of-custody documentation. The reporting limits and method detection limits for the analytical results are provided in Appendix A. One field duplicate will be collected for QA/QC purposes.

All sample analyses will be reported using NYSDEC ASP Category B deliverables. The laboratory data will be reviewed by a qualified Data Validator and a DUSR will be prepared. A drawing depicting the locations of the off-site soil vapor sample locations is included as Figure 6.

3.3 Sampling QA/QC Protocol

Field notes including observations of soil conditions, groundwater parameters, NYSDOH Indoor Air Quality questionnaire, pertinent observations, diagrams (if appropriate) will be maintained and appropriate photographs will be taken. A record of each sample, including any pertinent observations about the sample, will be kept in a field notebook and/or appropriate logs and copies will be included within the Remedial Investigation Report.

Samples will be collected in laboratory-issued containers by CA RICH personnel and stored and shipped to CA RICH's subcontracted State-certified laboratory. Additional field and laboratory QA/QC protocols including the sample summary table are included in the Site QAPP, which is included as Appendix B of this Work Plan.

3.4 Health & Safety and Community Air Monitoring Plan

A site-specific Health and Safety Plan (HASP) and Community Air Monitoring Plan (CAMP) have been prepared and approved for the field portion of the Investigation. The HASP/CAMP cover all activities, as well as emergency procedures and available emergency services in proximity to the Site. All proposed work discussed in this Work Plan will be conducted in accordance with the HASP, which is included as Appendix C of this Work Plan.

3.5 Updated Key Personnel

<u>Responsibility</u>	<u>Name and Phone Number</u>
Client Representative	<u>Laurence Gordon (516)354-4308</u>
Project Manager	<u>Jessica Proscia (516) 576-8844</u>
Site Safety Officers:	<u>Jason Cooper (516)576-8844</u>
Project Manager Alternate:	<u>Richard Izzo (516) 576-8844</u>
Site Safety Officer Alternate:	<u>Jessica Proscia (516) 576-8844</u>
Analytical Laboratory: SGS Accutest Laboratories:	<u>Kristen Degraw (732) 329-0200</u>
Laboratory Validation: L.A.B Validation Corp.*	<u>Lori Beyer (516) 523-7891</u>
Drilling Contractor: Cascade Technical Services LLC	<u>John Diamond (516) 596-6300</u>

* The data validator resume is provided in Appendix A of the QAPP.

3.6 Off-Site Supply Well Information

Public supply well no.20/N000017 is located adjacent to the Site (to the north). According to the Nassau County Department of Health Services and the Western Nassau Water District, this well is treated for VOCs via an air stripping tower. CA RICH contacted the Western Nassau Water Authority to obtain the raw analytical results to determine if the Site is having a negative impact on this supply well. CA RICH obtained and reviewed the raw data from December 2011 through August 2017. Also provided/reviewed was the monthly pumpages in thousands of gallons for the corresponding years. The data is summarized below:

Tetrachloroethene (ranging from 4.8 ug/L in May 2015 to 17.2 ug/L in November 2011) and trichloroethene (ranging from 0.54 ug/L in May 2015 to 1.5 ug/L in December 2013) were identified in the raw data. However, 1,1,1-trichloroethane (TCA) and its degradation products (the contaminants of concern for the Site) were not identified in the raw data from December 2011 through August 2017. Therefore, it does not appear that the Site is having a negative impact on the upgradient public supply well. Supply well analytical data as well as a production well log is attached in Appendix D.

3.7 Remedial Investigation Report

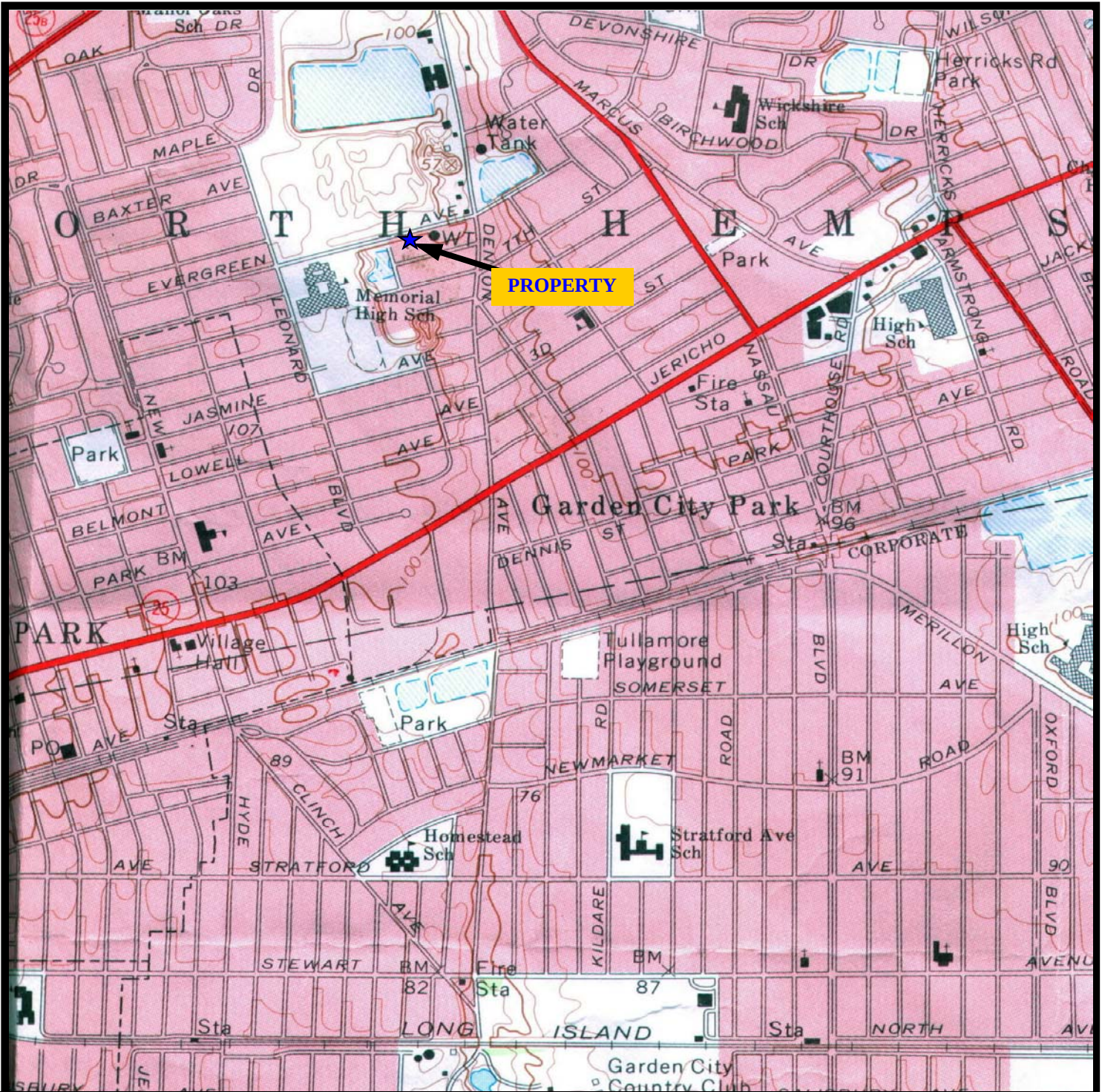
Once the laboratory results are obtained and verified, a Remedial Investigation Report will be prepared for the NYSDEC. At a minimum, the Report will include the following items:

- A description of the work performed and findings;
- Soil vapor point construction details;
- Boring logs;
- Soil vapor data summary tables with a comparison to NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York. (Ref. 2);
- Soil data summary tables with a comparison to NYSDEC Part 375 Unrestricted and Commercial Use Standards (Ref. 1);
- Groundwater data summary tables with a comparison to NYSDEC Technical and Operation Guidance Series Class GA Groundwater Guidance Values (Ref. 3);
- Sample location maps;
- A Data Usability Summary Report including the laboratory data;
- A water table elevation and contour map;
- EDD submission
- Conclusions and Recommendations.

4.0 REFERENCES

1. New York State Department of Environmental Conservation, Dec. 14, 2006. 6 NYCRR Part 375 Environmental Remediation Programs, Soil Cleanup Objectives & Cleanup Levels.
2. New York State Department of Health, October 2006, Revised May 2017, "Guidance for Evaluating Soil Vapor Intrusion in the State of New York".
3. New York State Department of Environmental Conservation, October 22, 1993, Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values.
4. New York State Department of Environmental Conservation, May 2010, DER-10 Technical Guidance for Site Investigation and Remediation.

FIGURES



APPROX. SCALE (ft.)



Adapted from 1969 USGS Lynbrook Quadrangle



CA RICH CONSULTANTS, INC.
17 Dupont Street,
Plainview, NY 11803

TITLE:

Site Location Map

DATE:

9/29/2017

SCALE:

AS SHOWN

FIGURE:

1

DRAWING:

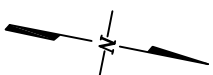
**Former Zoe Chemical
1801 Falmouth Avenue
New Hyde Park, New York**

DRAWN BY:

JC

APPR. BY:

JP



Evergreen Avenue

Approximate Property Boundary

Water Authority
Of Western
Nassau County

SITE BUILDING

Gould Street

Truck
Bays

NYSDEC Sample

MW-3

DGB-4

Falmouth Avenue

DGB-5

MW-2

DGB-2

SGB-1

SGB-2

MW-4

NYSDEC Sample

DGB-1

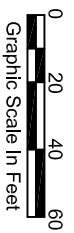
DGB-3

7ft. Wide Concrete Pad
with Metal Storage
Racks

MW-1

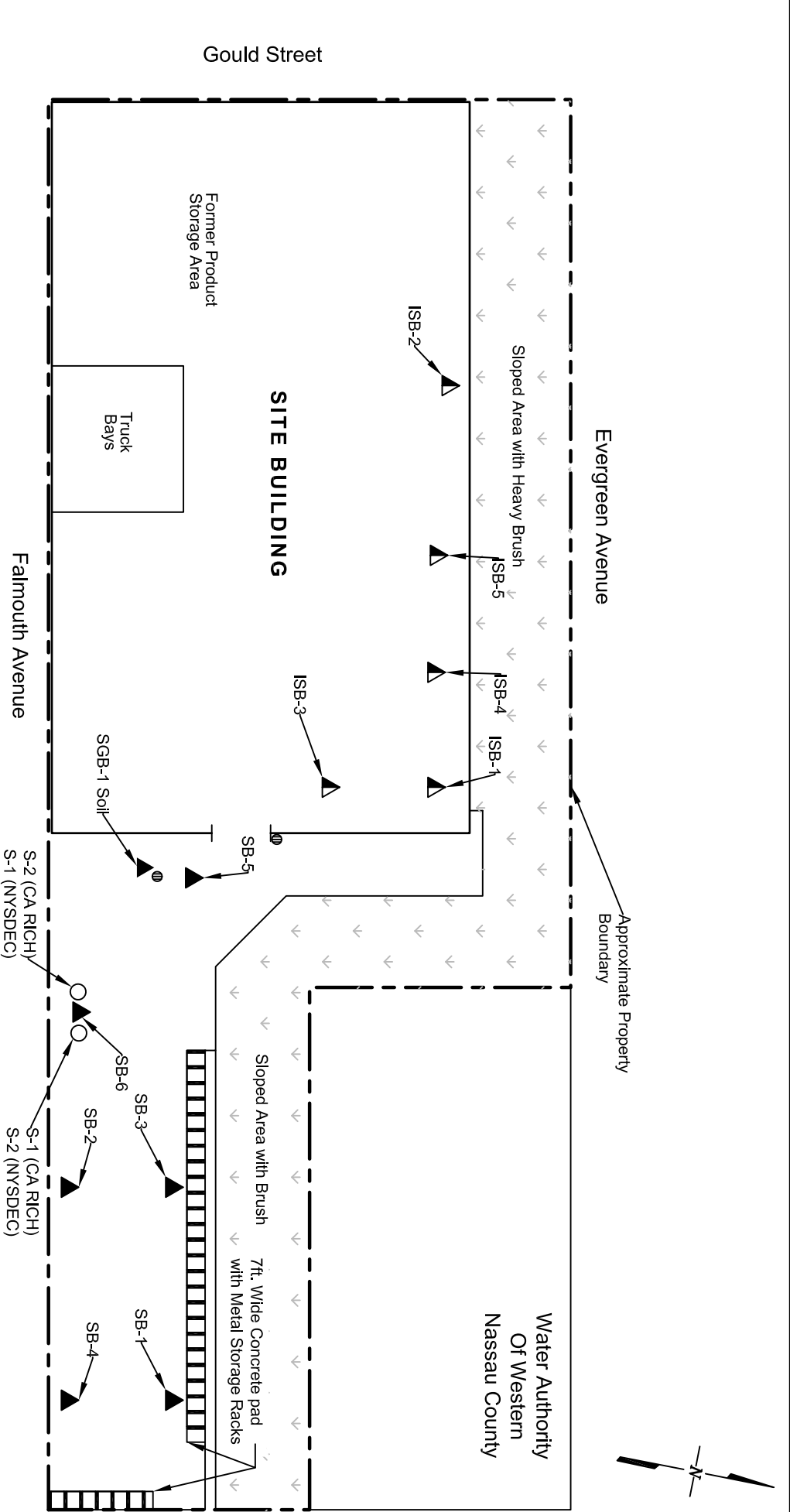
LEGEND

- 2" Diameter Groundwater Monitoring Well
- Temporary 55' or 85' Groundwater Boring
- ⊕ Temporary 30' Groundwater Boring
- ⊗ Storm Drain
- Former Cesspools
- ⊙ NYSDEC Sample



Note:
1. The groundwater samples depicted on this figure collected as part of the Site Characterization Report completed in July 2014.

CA RICH CONSULTANTS, INC.			
Environmental Specialists Since 1982			
17 Dupont Street, Plainview, New York 11803			
TITLE:	DATE:		
Previous Groundwater Sample Locations	5/4/2018		
FIGURE:	SCALE:	DRAWN BY:	
2	As Shown	J.T.C./T.R.B.	
DRAWING NO:	APPR. BY:		
QMR 2017-3	J.E.P.		Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY



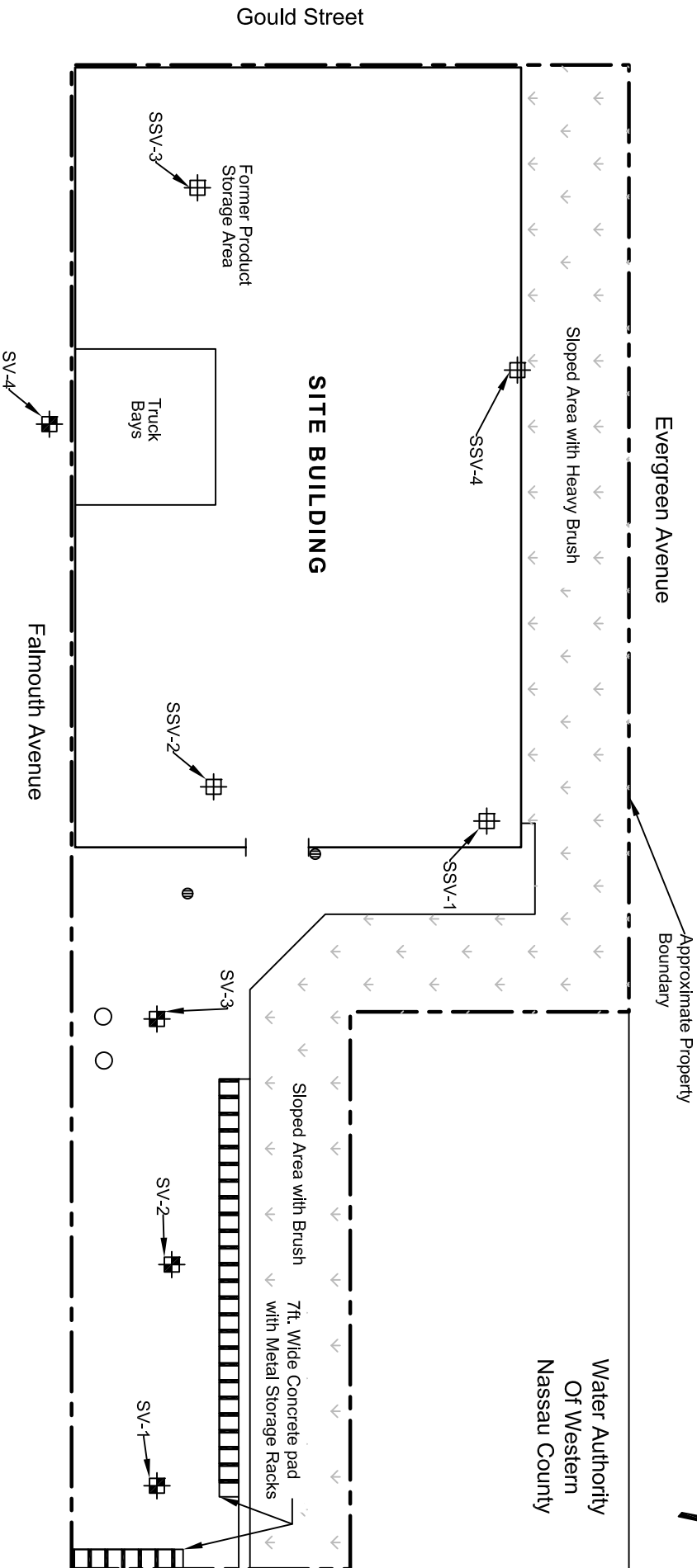
LEGEND

- ▲ Exterior 20' Soil Boring
- ▲ Interior Shallow Soil Boring
- Former Cesspools
- ⊕ Storm Drain

Note:
1. The soil samples depicted on this figure collected as part of the Site Characterization Report completed in July 2014.



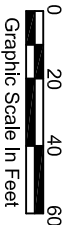
CA RICH CONSULTANTS, INC. Environmental Specialists Since 1982 17 Dupont Street, Plainview, New York 11803			
TITLE: Previous Soil Sample Locations		DATE: 4/27/2018	
FIGURE: 3		SCALE: As Shown	
DRAWING NO.: QMR 2017-4		DRAWN BY: J.T.C./T.R.B.	
FORMER ZOE CHEMICAL SITE 1801 Falmouth Avenue New Hyde Park, NY		APPR. BY: J.E.P.	



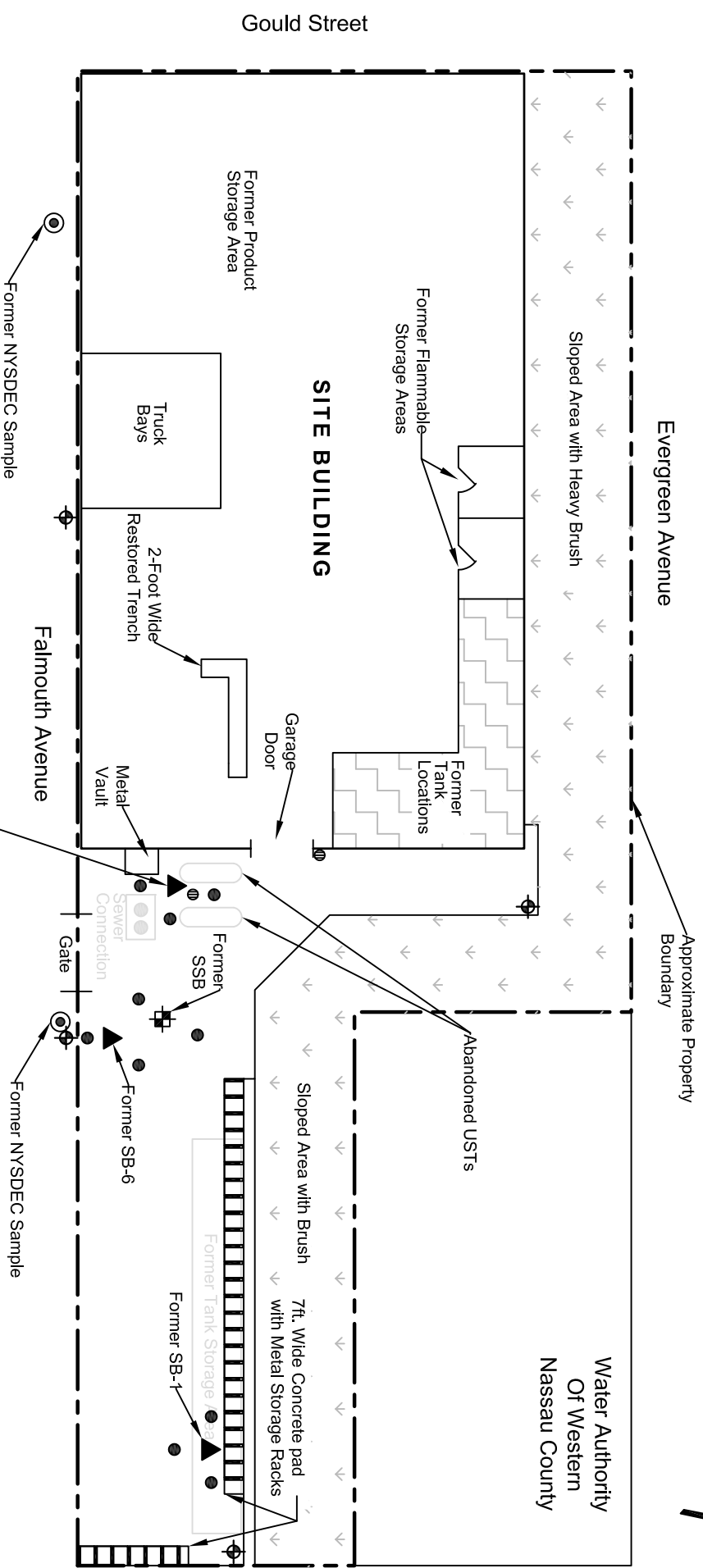
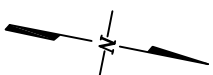
LEGEND

- 1" Sub-Slab Soil Vapor Sample
- 8" Soil Vapor Sample
- Former Cesspools

Note:
1. The soil vapor samples depicted on this figure collected as part of the Site Characterization Report completed in July 2014.

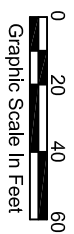


CA RICH CONSULTANTS, INC. Environmental Specialists Since 1982 17 Dupont Street, Plainview, New York 11803			
TITLE: Previous Soil Vapor Sample Locations		DATE: 4/27/2018	
FIGURE: 4		SCALE: As Shown	
DRAWING NO.: QMR 2017-5		DRAWN BY: J.T.C./T.R.B.	
FORMER ZOE CHEMICAL SITE 1801 Falmouth Avenue New Hyde Park, NY		APPR. BY: J.E.P.	

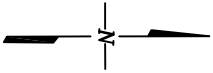


LEGEND

- ▲ Former Exterior Soil Boring
- Former 8' Soil Vapor Sample
- ⊕ Existing Groundwater Monitoring Well
- ⊕ Storm Drain
- Proposed Soil 12' Boring
- ⊕ Proposed Shallow Groundwater Boring will be installed down gradient from the former cesspool (across Falmouth Avenue)
- ⊙ Former NYSDEC Sample

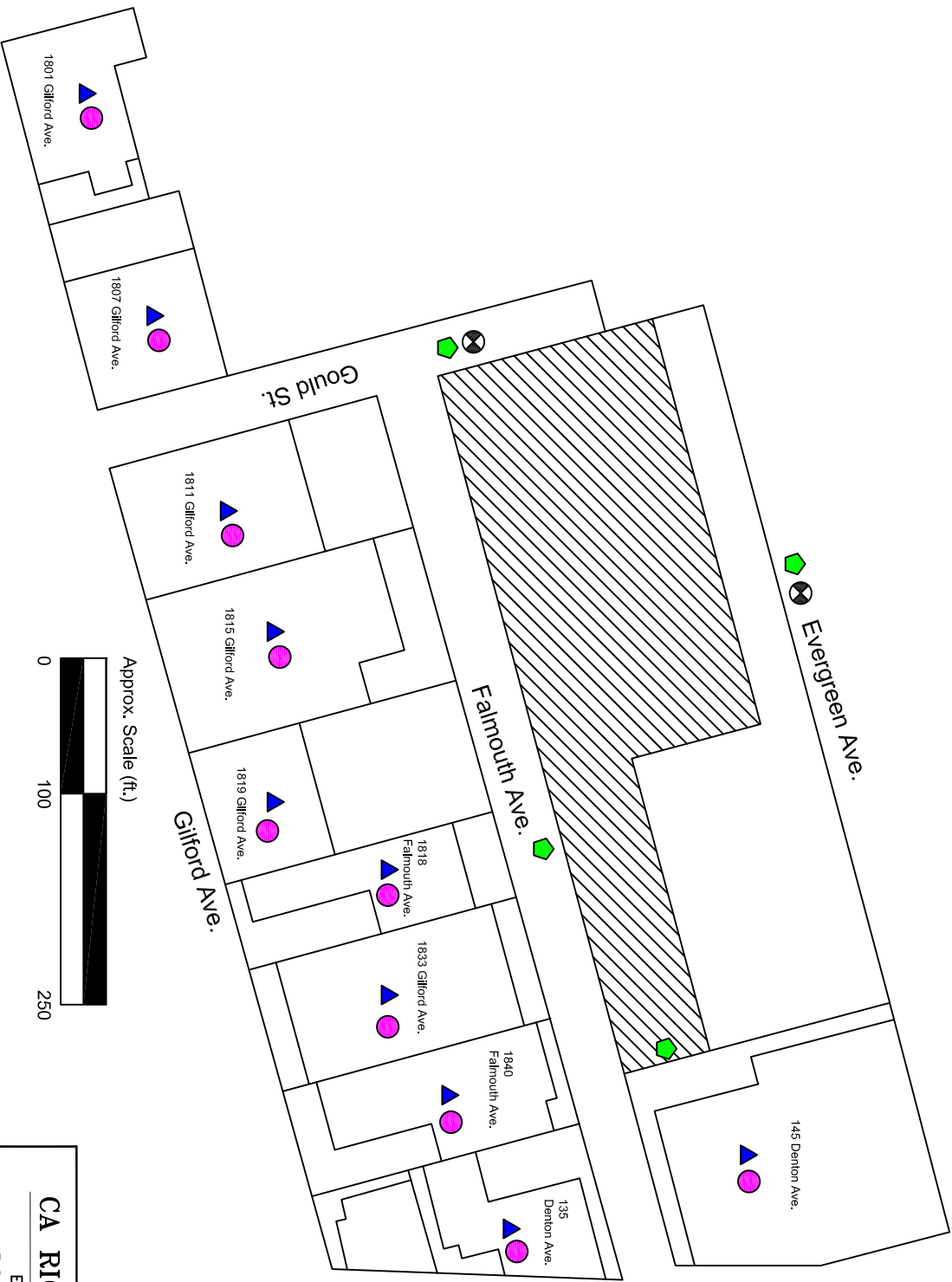


CA RICH CONSULTANTS, INC.			
Environmental Specialists Since 1982			
17 Dupont Street, Plainview, New York 11803			
TITLE		DATE	
Proposed Soil and Groundwater Sample Delineation and Location Map		5/4/2018	
FIGURE		SCALE	
5		As Shown	
DRAWING NO.		DRAWN BY	
2017-6		J.T.C./T.R.B.	
Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY		APPR. BY	
		J.E.P.	



Legend

-  Superfund Site
-  Soil Vapor
(5-feet below grade)
-  Sub-Slab Vapor
-  Indoor Air
-  Ambient/Outdoor Air



CA RICH CONSULTANTS, INC.

Environmental Specialists Since 1982
17 Dupont Street, Plainville, New York 11803

TITLE:		DATE:
Proposed Off-Site Soil Vapor Evaluation Sample Locations		4/27/2018
FIGURE:	DRAWN BY:	SCALE:
6	T.R.B.	As Shown
DRAWING NO.:	APPR. BY:	
2017-7	J.E.P.	

Appendix A

Laboratory Reporting Limits and Method Detection Limits

Compound List Report

Product: V8260TCL20 TCL Volatile Organics

Matrix: AQ Aqueous

May 08, 2018 10:10 am

Method List: VAIX8260 AQ

Method Ref: SW846 8260C

LJ53239

Report List: VTCL20 ALL

VOA TCL List

LJ43234

RL/MDL Factor: 1

Compound	CAS No.	RL	MDL	Units	Control Limits (%) Rev: 2/15/18		DUP
					MS/MSD	RPD BS	
Acetone	67-64-1		10	5 ug/l	34-149	17 42-150	20
Benzene	71-43-2		0.5	0.17 ug/l	54-136	10 80-120	20
Bromochloromethane	74-97-5		1	0.38 ug/l	79-124	11 84-121	20
Bromodichloromethane	75-27-4		1	0.22 ug/l	79-124	11 83-120	20
Bromoform	75-25-2		1	0.42 ug/l	71-130	11 76-129	20
Bromomethane	74-83-9		2	1.4 ug/l	53-142	14 57-138	20
2-Butanone (MEK)	78-93-3		10	4.8 ug/l	54-142	15 64-137	20
Carbon disulfide	75-15-0		2	0.5 ug/l	59-145	17 64-137	20
Carbon tetrachloride	56-23-5		1	0.34 ug/l	70-143	12 75-135	20
Chlorobenzene	108-90-7		1	0.24 ug/l	78-123	10 84-117	20
Chloroethane	75-00-3		1	0.59 ug/l	57-141	14 63-132	20
Chloroform	67-66-3		1	0.29 ug/l	76-123	11 80-119	20
Chloromethane	74-87-3		1	0.53 ug/l	43-141	16 46-136	20
Cyclohexane	110-82-7		5	0.63 ug/l	51-155	16 64-137	20
1,2-Dibromo-3-chloropropane	96-12-8		2	0.69 ug/l	66-130	13 72-127	20
Dibromochloromethane	124-48-1		1	0.16 ug/l	76-125	11 80-123	20
1,2-Dibromoethane	106-93-4		1	0.21 ug/l	78-119	11 84-117	20
1,2-Dichlorobenzene	95-50-1		1	0.5 ug/l	77-123	11 84-119	20
1,3-Dichlorobenzene	541-73-1		1	0.5 ug/l	76-122	11 81-117	20
1,4-Dichlorobenzene	106-46-7		1	0.5 ug/l	76-122	11 82-117	20
Dichlorodifluoromethane	75-71-8		2	1.9 ug/l	31-159	16 36-149	20
1,1-Dichloroethane	75-34-3		1	0.21 ug/l	73-126	11 79-120	20
1,2-Dichloroethane	107-06-2		1	0.2 ug/l	72-131	11 78-126	20
1,1-Dichloroethene	75-35-4		1	0.47 ug/l	63-136	14 69-126	20
cis-1,2-Dichloroethene	156-59-2		1	0.5 ug/l	60-136	11 80-120	20
trans-1,2-Dichloroethene	156-60-5		1	0.4 ug/l	70-126	11 76-120	20
1,2-Dichloropropane	78-87-5		1	0.24 ug/l	78-124	10 82-121	20
cis-1,3-Dichloropropene	10061-01-5		1	0.25 ug/l	79-123	11 83-120	20
trans-1,3-Dichloropropene	10061-02-6		1	0.22 ug/l	77-123	11 82-121	20
Ethylbenzene	100-41-4		1	0.22 ug/l	51-140	20 80-120	20
Freon 113	76-13-1		5	1.2 ug/l	60-192	14 62-182	20
2-Hexanone	591-78-6		5	3.3 ug/l	56-139	14 65-132	20
Isopropylbenzene	98-82-8		1	0.25 ug/l	75-129	11 83-120	20
Methyl Acetate	79-20-9		5	3.1 ug/l	55-131	15 67-129	20
Methylcyclohexane	108-87-2		5	1.8 ug/l	57-155	13 71-134	20

Methyl Tert Butyl Ether	1634-04-4	1	0.25 ug/l	72-123	11 80-119	20
4-Methyl-2-pentanone(MIBK)	108-10-1	5	3 ug/l	66-136	13 71-131	20
Methylene chloride	75-09-2	2	1 ug/l	73-125	13 77-120	20
Styrene	100-42-5	1	0.24 ug/l	75-129	11 82-122	20
1,1,2,2-Tetrachloroethane	79-34-5	1	0.17 ug/l	71-122	11 76-119	20
Tetrachloroethene	127-18-4	1	0.5 ug/l	61-139	11 70-131	20
Toluene	108-88-3	1	0.25 ug/l	60-135	10 80-120	20
1,2,3-Trichlorobenzene	87-61-6	1	0.5 ug/l	70-138	13 76-134	20
1,2,4-Trichlorobenzene	120-82-1	1	0.5 ug/l	72-137	13 79-132	20
1,1,1-Trichloroethane	71-55-6	1	0.25 ug/l	74-138	12 81-128	20
1,1,2-Trichloroethane	79-00-5	1	0.24 ug/l	78-121	11 83-118	20
Trichloroethene	79-01-6	1	0.27 ug/l	62-141	10 80-120	20
Trichlorofluoromethane	75-69-4	2	0.6 ug/l	57-149	14 64-136	20
Vinyl chloride	75-01-4	1	0.62 ug/l	43-146	15 51-135	20
m,p-Xylene		1	0.43 ug/l	50-144	20 80-120	20
o-Xylene	95-47-6	1	0.22 ug/l	63-134	10 80-120	20
Xylene (total)	1330-20-7	1	0.22 ug/l	56-139	20 80-120	20
Dibromofluoromethane	1868-53-7			Surrogate Limits:	80-120	
1,2-Dichloroethane-D4	17060-07-0			Surrogate Limits:	81-124	
Toluene-D8	2037-26-5			Surrogate Limits:	80-120	
4-Bromofluorobenzene	460-00-4			Surrogate Limits:	80-120	

52 compounds and 4 surrogates reported in list VTCL20

Compound List Report

Product: B8270SIM14DIOX 1,4-Dioxane, SIM

Matrix: AQ Aqueous

May 08, 2018 10:10 am

Method List: AB8270SIM AQ

Method Ref: SW846 8270D BY SIM

LJ52052

Report List: BSURR ALL

LJ28804

RL/MDL Factor: 1

Compound	CAS No.	RL	MDL	Units	Control Limits (%) Rev: 2/2/17			DUP
					MS/MSD	RPD	BS	
1,4-Dioxane	123-91-1	0.1	0.049	ug/l	10-125		46 10-110	30
Nitrobenzene-d5	4165-60-0				Surrogate Limits:		29-124	
2-Fluorobiphenyl	321-60-8				Surrogate Limits:		23-122	
Terphenyl-d14	1718-51-0				Surrogate Limits:		22-130	

1 compounds and 3 surrogates reported in list BSURR

Compound List Report
 Product: P8081PESTTCL TCL Pesticides
 Matrix: AQ Aqueous

May 08, 2018 10:09 an

Method List: P8081 AQ
 Report List: PTCL ALL
 RL/MDL Factor: 1

Method Ref: SW846 8081B
 Pesticide TCL List

LJ54049
 LJ1046

Compound	CAS No.	RL	MDL	Units	Control Limits (%) Rev: 3/30/17			
					MS/MSD	RPD	BS	DUP
Aldrin	309-00-2		1	0.52 ug/l	10-157		46 13-135	25
alpha-BHC	319-84-6		1	0.52 ug/l	33-154		45 36-139	25
beta-BHC	319-85-7		1	0.8 ug/l	36-154		45 44-136	25
delta-BHC	319-86-8		1	0.66 ug/l	29-165		50 40-139	25
gamma-BHC (Lindane)	58-89-9		1	0.6 ug/l	33-154		43 43-136	25
alpha-Chlordane	5103-71-9		1	0.49 ug/l	26-158		44 32-140	25
gamma-Chlordane	5103-74-2		1	0.43 ug/l	20-163		44 28-143	25
Dieldrin	60-57-1		1	0.77 ug/l	24-165		44 39-142	25
4,4'-DDD	72-54-8		1	0.57 ug/l	27-157		45 36-142	25
4,4'-DDE	72-55-9		1	0.51 ug/l	13-164		43 27-140	25
4,4'-DDT	50-29-3		1	0.69 ug/l	11-169		44 30-144	25
Endrin	72-20-8		1	0.61 ug/l	39-170		42 44-151	25
Endosulfan sulfate	1031-07-8		1	0.55 ug/l	22-164		49 41-144	25
Endrin aldehyde	7421-93-4		1	0.67 ug/l	21-176		48 42-144	25
Endrin ketone	53494-70-5		1	0.62 ug/l	33-166		45 41-149	25
Endosulfan-I	959-98-8		1	0.53 ug/l	23-161		44 40-136	25
Endosulfan-II	33213-65-9		1	0.49 ug/l	30-161		43 42-140	25
Heptachlor	76-44-8		1	0.45 ug/l	10-158		47 11-140	25
Heptachlor epoxide	1024-57-3		1	0.6 ug/l	29-163		43 41-138	25
Methoxychlor	72-43-5		2	0.67 ug/l	15-164		46 31-149	25
Toxaphene	8001-35-2		25	16 ug/l	50-150		30 40-140	25
Tetrachloro-m-xylene	877-09-8				Surrogate Limits:		13-153	
Decachlorobiphenyl	2051-24-3				Surrogate Limits:		10-138	

21 compounds and 2 surrogates reported in list PTCL

Compound List Report

Product: P8082PCB11 PCBs w 1262 & 1268

Matrix: AQ Aqueous

May 08, 2018 10:09 am

Method List: P8082 AQ

Method Ref: SW846 8082A

LJ52345

Report List: PCB11 ALL

PCB List

LJ31661

RL/MDL Factor: 1

Compound	CAS No.	RL	MDL	Units	Control Limits (%) Rev: 2/2/17			DUP
					MS/MSD	RPD	BS	
Aroclor 1016	12674-11-2	50	20 ug/l	18-187		42	37-164	30
Aroclor 1221	11104-28-2	50	42 ug/l	70-130		50	70-130	30
Aroclor 1232	11141-16-5	50	26 ug/l	70-130		50	70-130	30
Aroclor 1242	53469-21-9	50	23 ug/l	70-130		50	70-130	30
Aroclor 1248	12672-29-6	50	13 ug/l	70-130		50	70-130	30
Aroclor 1254	11097-69-1	50	41 ug/l	70-130		50	70-130	30
Aroclor 1260	11096-82-5	50	15 ug/l	10-185		46	36-155	30
Aroclor 1268	11100-14-4	50	17 ug/l			50		30
Aroclor 1262	37324-23-5	50	19 ug/l			50		30

Tetrachloro-m-xylene 877-09-8

Surrogate Limits: 11-166

Decachlorobiphenyl 2051-24-3

Surrogate Limits: 10-150

9 compounds and 2 surrogates reported in list PCB11

Compound List Report

Product: V8260TCL20 TCL Volatile Organics

Matrix: AQ Aqueous

May 08, 2018 10:10 am

Method List: VAIX8260 AQ

Method Ref: SW846 8260C

LJ53239

Report List: VTCL20 ALL

VOA TCL List

LJ43234

RL/MDL Factor: 1

Compound	CAS No.	RL	MDL	Units	Control Limits (%) Rev: 2/15/18		DUP
					MS/MSD	RPD BS	
Acetone	67-64-1		10	5 ug/l	34-149	17 42-150	20
Benzene	71-43-2		0.5	0.17 ug/l	54-136	10 80-120	20
Bromochloromethane	74-97-5		1	0.38 ug/l	79-124	11 84-121	20
Bromodichloromethane	75-27-4		1	0.22 ug/l	79-124	11 83-120	20
Bromoform	75-25-2		1	0.42 ug/l	71-130	11 76-129	20
Bromomethane	74-83-9		2	1.4 ug/l	53-142	14 57-138	20
2-Butanone (MEK)	78-93-3		10	4.8 ug/l	54-142	15 64-137	20
Carbon disulfide	75-15-0		2	0.5 ug/l	59-145	17 64-137	20
Carbon tetrachloride	56-23-5		1	0.34 ug/l	70-143	12 75-135	20
Chlorobenzene	108-90-7		1	0.24 ug/l	78-123	10 84-117	20
Chloroethane	75-00-3		1	0.59 ug/l	57-141	14 63-132	20
Chloroform	67-66-3		1	0.29 ug/l	76-123	11 80-119	20
Chloromethane	74-87-3		1	0.53 ug/l	43-141	16 46-136	20
Cyclohexane	110-82-7		5	0.63 ug/l	51-155	16 64-137	20
1,2-Dibromo-3-chloropropane	96-12-8		2	0.69 ug/l	66-130	13 72-127	20
Dibromochloromethane	124-48-1		1	0.16 ug/l	76-125	11 80-123	20
1,2-Dibromoethane	106-93-4		1	0.21 ug/l	78-119	11 84-117	20
1,2-Dichlorobenzene	95-50-1		1	0.5 ug/l	77-123	11 84-119	20
1,3-Dichlorobenzene	541-73-1		1	0.5 ug/l	76-122	11 81-117	20
1,4-Dichlorobenzene	106-46-7		1	0.5 ug/l	76-122	11 82-117	20
Dichlorodifluoromethane	75-71-8		2	1.9 ug/l	31-159	16 36-149	20
1,1-Dichloroethane	75-34-3		1	0.21 ug/l	73-126	11 79-120	20
1,2-Dichloroethane	107-06-2		1	0.2 ug/l	72-131	11 78-126	20
1,1-Dichloroethene	75-35-4		1	0.47 ug/l	63-136	14 69-126	20
cis-1,2-Dichloroethene	156-59-2		1	0.5 ug/l	60-136	11 80-120	20
trans-1,2-Dichloroethene	156-60-5		1	0.4 ug/l	70-126	11 76-120	20
1,2-Dichloropropane	78-87-5		1	0.24 ug/l	78-124	10 82-121	20
cis-1,3-Dichloropropene	10061-01-5		1	0.25 ug/l	79-123	11 83-120	20
trans-1,3-Dichloropropene	10061-02-6		1	0.22 ug/l	77-123	11 82-121	20
Ethylbenzene	100-41-4		1	0.22 ug/l	51-140	20 80-120	20
Freon 113	76-13-1		5	1.2 ug/l	60-192	14 62-182	20
2-Hexanone	591-78-6		5	3.3 ug/l	56-139	14 65-132	20
Isopropylbenzene	98-82-8		1	0.25 ug/l	75-129	11 83-120	20
Methyl Acetate	79-20-9		5	3.1 ug/l	55-131	15 67-129	20
Methylcyclohexane	108-87-2		5	1.8 ug/l	57-155	13 71-134	20

Methyl Tert Butyl Ether	1634-04-4	1	0.25 ug/l	72-123	11 80-119	20
4-Methyl-2-pentanone(MIBK)	108-10-1	5	3 ug/l	66-136	13 71-131	20
Methylene chloride	75-09-2	2	1 ug/l	73-125	13 77-120	20
Styrene	100-42-5	1	0.24 ug/l	75-129	11 82-122	20
1,1,2,2-Tetrachloroethane	79-34-5	1	0.17 ug/l	71-122	11 76-119	20
Tetrachloroethene	127-18-4	1	0.5 ug/l	61-139	11 70-131	20
Toluene	108-88-3	1	0.25 ug/l	60-135	10 80-120	20
1,2,3-Trichlorobenzene	87-61-6	1	0.5 ug/l	70-138	13 76-134	20
1,2,4-Trichlorobenzene	120-82-1	1	0.5 ug/l	72-137	13 79-132	20
1,1,1-Trichloroethane	71-55-6	1	0.25 ug/l	74-138	12 81-128	20
1,1,2-Trichloroethane	79-00-5	1	0.24 ug/l	78-121	11 83-118	20
Trichloroethene	79-01-6	1	0.27 ug/l	62-141	10 80-120	20
Trichlorofluoromethane	75-69-4	2	0.6 ug/l	57-149	14 64-136	20
Vinyl chloride	75-01-4	1	0.62 ug/l	43-146	15 51-135	20
m,p-Xylene		1	0.43 ug/l	50-144	20 80-120	20
o-Xylene	95-47-6	1	0.22 ug/l	63-134	10 80-120	20
Xylene (total)	1330-20-7	1	0.22 ug/l	56-139	20 80-120	20
Dibromofluoromethane	1868-53-7			Surrogate Limits:	80-120	
1,2-Dichloroethane-D4	17060-07-0			Surrogate Limits:	81-124	
Toluene-D8	2037-26-5			Surrogate Limits:	80-120	
4-Bromofluorobenzene	460-00-4			Surrogate Limits:	80-120	

52 compounds and 4 surrogates reported in list VTCL20

Compound List Report

Product: LCID537NY21 PFAS Full List NY 21 Analytes

Matrix: AQ Aqueous

May 08, 2018 09:47 am

ALSE10755: Special Report List

Method List: LCID537 AQ

Method Ref: EPA 537M BY ID

LF25875

Report List: LCID537NY21 ALL

PFAS List

LF25894

RL/MDL Factor: 4

RL List: LCID537 AQ

LF26055

Compound	CAS No.	RL	MDL	Units	Control Limits (%) Rev: 04/27/18A			
					MS/MSD	RPD	BS	DUP
Perfluorobutanoic acid	375-22-4	8.0	2.0	ng/l	70-130	30	70-130	30
Perfluoropentanoic acid	2706-90-3	4.0	1.0	ng/l	70-130	30	70-130	30
Perfluorohexanoic acid	307-24-4	4.0	1.0	ng/l	70-130	30	70-130	30
Perfluoroheptanoic acid	375-85-9	2.0	1.0	ng/l	71-130	30	71-130	30 (b)
Perfluorooctanoic acid	335-67-1	2.0	1.0	ng/l	74-130	30	74-130	30 (b)
Perfluorononanoic acid	375-95-1	2.0	1.0	ng/l	76-130	30	76-130	30 (b)
Perfluorodecanoic acid	335-76-2	4.0	1.0	ng/l	70-130	30	70-130	30
Perfluoroundecanoic acid	2058-94-8	4.0	1.0	ng/l	70-130	30	70-130	30
Perfluorododecanoic acid	307-55-1	4.0	1.0	ng/l	70-130	30	70-130	30
Perfluorotridecanoic acid	72629-94-8	4.0	1.0	ng/l	70-139	30	70-139	30
Perfluorotetradecanoic acid	376-06-7	4.0	1.0	ng/l	70-130	30	70-130	30
Perfluorobutanesulfonic acid	375-73-5	2.0	1.0	ng/l	73-130	30	73-130	30 (b)
Perfluorohexanesulfonic acid	355-46-4	2.0	1.0	ng/l	74-130	30	74-130	30 (b)
Perfluoroheptanesulfonic acid	375-92-8	4.0	1.0	ng/l	74-130	30	74-130	30
Perfluorooctanesulfonic acid	1763-23-1	2.0	1.5	ng/l	70-130	30	70-130	30 (b)
Perfluorodecanesulfonic acid	335-77-3	4.0	1.0	ng/l	70-130	30	70-130	30
PFOSA	754-91-6	4.0	1.0	ng/l	70-131	30	70-131	30
MeFOSAA	2355-31-9	20.0	4.0	ng/l	70-130	30	70-130	30
EtFOSAA	2991-50-6	20.0	4.0	ng/l	70-130	30	70-130	30
6:2 Fluorotelomer sulfonate	27619-97-2	8.0	2.0	ng/l	70-133	30	70-133	30
8:2 Fluorotelomer sulfonate	39108-34-2	8.0	2.0	ng/l	70-130	30	70-130	30
13C4-PFBA					Surrogate Limits:		30-140	
13C5-PFPeA					Surrogate Limits:		40-140	
13C5-PFHxA					Surrogate Limits:		50-150	
13C4-PFHpA					Surrogate Limits:		50-150	
13C8-PFOA					Surrogate Limits:		50-150	
13C9-PFNA					Surrogate Limits:		50-150	
13C6-PFDA					Surrogate Limits:		50-150	
13C7-PFUnDA					Surrogate Limits:		50-150	
13C2-PFDoDA					Surrogate Limits:		50-150	
13C2-PFTeDA					Surrogate Limits:		40-150	
13C3-PFBS					Surrogate Limits:		50-150	
13C3-PFHxS					Surrogate Limits:		50-150	
13C8-PFOS					Surrogate Limits:		50-150	
13C8-FOSA					Surrogate Limits:		30-140	
d3-MeFOSAA					Surrogate Limits:		50-150	
13C2-6:2FTS					Surrogate Limits:		50-150	
13C2-8:2FTS					Surrogate Limits:		50-150	

21 compounds and 17 surrogates reported in list LCID537NY21

(b) RL from ALSE10755 list.

Accutest NJ Normal Reporting Limits for Soil and Non-potable Water Matrices for 2015

(Soil values will be adjusted up for percent solids.)

Test	EPA 245.1/SW846 7470A waters- normal RL in ug/l	EPA 245.1/SW846 7470A waters- normal MDL in ug/l	EPA 245.1/SW846 7470A waters- LOD in ug/l	EPA 245.1/SW846 7470A waters- LOQ in ug/l	SW846 7471A soils- normal RL in mg/kg	SW846 7471A soils - normal MDL in mg/kg	SW846 7471A soils - LOD in mg/kg	SW846 7471A soils -LOQ in mg/kg		SW846 7470A leachates- normal RL in mg/l	SW846 7470A leachates- normal MDL in mg/l
Hg	0.2000	0.0692	0.1500	0.2000	0.0330	0.0112	0.0250	0.0340		0.0002	0.000069
LL Hg											

	EPA 1631-Low Level Hg, Waters- normal RL in ng/l	EPA 1631-Low Level Hg, Waters- normal MDL in ng/l	EPA 1631-Low Level Hg, Waters- LOD in ng/l	EPA 1631-Low Level Hg, Waters- LOQ in ng/l
LL Hg	0.5	0.2360	0.4	0.5000

Update 1/12/2015.

SGS Accutest NJ Normal Reporting Limits for Soil and Non-potable Water Matrices for 2017

(Soil values will be adjusted up for percent solids.)

TEST	Method 200.7/6010 waters - normal RL in ug/l - ICP	Method 200.7/6010 waters - NJ RL in ug/l - ICP	Method 6010 waters - pooled MDL for SS ICP's in ug/l	Method 200.7 waters - pooled MDL for SS ICP's in ug/l	Method SW846 6010 AQ LOQ values for ICP in ug/l. (SC and SD instruments only)	Method SW846 6010 AQ LOD values for ICP in ug/l. (SC and SD instruments only)	Method 6010 soils - normal RL in mg/kg - ICP	Method 6010 soils - pooled MDL for SS ICP's in mg/kg	TEST	Method 6010 SO LOQ values for ICP in mg/kg. (SC and SC instruments only)	Method 6010 SO LOD values for ICP in mg/kg. (SC and SD instruments only)	Method 6010 leachates (at 1:5 dilution)- normal RL's in mg/l	Method 6010 leachates (at 1:5 dilution) - normal MDL's for SS ICP in mg/l
Al	200.0		33.00	32.43	200.0	100.00	50.0	5.218	Al	50.0	10.000	1.000	0.1650
Sb	6.0		4.30	3.00	6.0	5.00	2.0	0.374	Sb	2.0	0.500	0.500	0.0215
As	8.0	3.000	2.73	2.57	5.0	3.00	2.0	0.254	As	2.0	0.500	0.500	0.0137
Ba	200.0		1.25	1.01	200.0	10.00	20.0	0.174	Ba	20.0	1.000	1.000	0.0063
Be	1.0		0.40	0.31	2.0	1.00	0.2	0.049	Be	0.2	0.100	0.010	0.0020
Bi	20.0		4.98	5.48	20.0	10.00	2.0	0.487	Bi	2.0	1.000	0.100	0.0249
B	100.0		13.48	7.82	100.0	20.00	10.0	1.292	B	10.0	2.000	0.500	0.0674
Cd	3.0		0.70	0.69	3.0	2.00	0.5	0.057	Cd	0.5	0.200	0.020	0.0035
Ca	5000.0		28.84	47.78	5000.0	200.00	500.0	42.106	Ca	500.0	50.000	10.000	0.1442
Cr	10.0		0.85	1.55	10.0	5.00	1.0	0.178	Cr	1.0	0.500	0.050	0.0043
Co	50.0		0.72	0.70	50.0	2.00	5.0	0.070	Co	5.0	0.200	0.250	0.0036
Cu	10.0		3.22	6.48	10.0	8.00	2.5	0.396	Cu	2.5	0.500	0.050	0.0161
Fe	100.0		32.20	20.11	100.0	50.00	50.0	4.573	Fe	50.0	5.000	0.500	0.1610
Pb	3.0		2.63	2.58	5.0	3.00	2.0	0.344	Pb	2.0	0.500	0.500	0.0132
Li	20.0		15.20	11.13	50.0	20.00	5.0	1.166	Li	5.0	2.000	0.250	0.0760
Mg	5000.0		63.92	58.66	5000.0	100.00	500.0	13.320	Mg	500.0	50.000	10.000	0.3196
Mn	15.0		0.42	0.78	15.0	2.00	1.5	0.087	Mn	1.5	0.200	0.060	0.0021
Mo	20.0		1.39	5.68	20.0	8.00	2.0	0.153	Mo	2.0	0.500	0.100	0.0070
Ni	10.0		1.34	0.91	10.0	8.00	4.0	0.246	Ni	4.0	0.400	0.050	0.0067
PICP	50.0		12.74	13.83		25.00	5.0	4.061	PICP	5.0		0.250	0.0637
K	10000.0		232.60	290.12	10000.0	500.00	1000.0	30.410	K	1000.0	50.000	10.000	1.1630
Se	10.0		6.63	7.24	10.0	8.00	2.0	0.645	Se	2.0	0.800	0.500	0.0332
Si	200.0		44.98	31.81	200.0	50.00		2.554	Si	NA	5.000	1.000	0.2249
Ag	10.0		3.13	2.97	10.0	4.00	0.5	0.289	Ag	0.5	0.400	0.050	0.0157
Na	10000.0		128.54	168.82	10000.0	500.00	1000.0	13.606	Na	1000.0	20.000	NA	0.6427
Sr	10.0		0.30	0.30	10.0	2.00	2.0	0.955	Sr	5.0	2.000	0.050	0.0015
SICP	50.0		15.05	14.37	50.0	25.00	10.0	2.923	SICP	10.0	5.000	0.250	0.0753
Tl	10.0	2.000	1.64	1.54	5.0	2.00	1.0	0.403	Tl	1.0	0.500	0.500	0.0082
Sn	10.0		2.36	7.63	10.0	8.00	10.0	2.596	Sn	10.0	8.000	0.050	0.0118
Ti	10.0		1.84	1.27	10.0	4.00	1.0	0.267	Ti	1.0	0.800	0.050	0.0092
W	50.0		14.21	7.79	50.0	40.00	5.0	1.159	W	5.0	4.500	0.250	0.0711
V	50.0		1.28	0.95	50.0	4.00	5.0	0.088	V	5.0	0.400	0.250	0.0064
Zn	20.0		4.00	2.18	20.0	10.00	5.0	3.814	Zn	5.0	4.000	0.100	0.0200
Zr	10.0		2.02	1.18	10.0	5.00	2.0	0.247	Zr	2.0	1.000	0.050	0.0101

Effective on 6/1/2017.

SGS Accutest NJ Normal Reporting Limits for Soil and Non-potable Water Matrices for 2017

(Soil values will be adjusted up for percent solids.)

Method 200.7 DW - normal RL in mg/l - ICP	Method 200.7 DW - pooled MDL for SS ICP's in mg/l	TEST
0.2000	0.03243	Al
NA	NA	Sb
NA	NA	As
0.2000	0.00101	Ba
0.0010	0.00031	Be
NA	0.00548	Bi
0.1000	0.00782	B
0.0030	0.00069	Cd
5.0000	0.04778	Ca
0.0070	0.00155	Cr
0.0500	0.00070	Co
0.0100	0.00648	Cu
0.1000	0.02011	Fe
NA	NA	Pb
NA	0.01113	Li
5.0000	0.05866	Mg
0.0150	0.00078	Mn
0.0200	0.00568	Mo
0.0050	0.00091	Ni
0.0500	0.01383	PICP
10.0000	0.29012	K
NA	NA	Se
0.2000	0.03181	Si
0.0100	0.00297	Ag
10.0000	0.16882	Na
0.0100	0.00030	Sr
NA	0.01437	SICP
NA	NA	Tl
0.0100	0.00763	Sn
0.0100	0.00127	Ti
NA	0.00779	W
0.0000	0.00095	V
0.0200	0.00218	Zn
NA	0.00118	Zr

SGS ACCUTEST LABS, DAYTON, NJ
RL and MDL Information for Digested and Undigested Waters by Method 200.8
2017

TEST	Method 200.8 undigested drinking waters - normal RL in ug/l	Method 200.8 undigested drinking waters - MDL in ug/l	TEST	Method 200.8 digested waters - normal RL in ug/l	Method 200.8 digested waters - MDL in ug/l	Method 200.8 digested waters - normal LOQ in ug/l	Method 200.8 digested waters - LOD in ug/l	TEST
Al	50.000	2.3751	Al	50.000	3.9720	50.000	25.000	Al
Sb	2.000	0.3563	Sb	2.000	1.1816	2.000	1.500	Sb
As	1.000	0.7202	As	1.000	0.2150	2.000	1.000	As
Ba	1.000	0.1804	Ba	1.000	0.2732	2.000	1.000	Ba
Be	0.300	0.0381	Be	0.500	0.0164	1.000	0.500	Be
B	NA	3.0663	B	50.000	17.8124	50.000	40.000	B
Cd	0.500	0.0474	Cd	0.500	0.0627	3.000	2.000	Cd
Ca	250.000	96.9850	Ca	250.000	29.9290	500.000	100.000	Ca
Cr	4.000	0.5533	Cr	4.000	0.3385	4.000	3.000	Cr
Co	0.500	0.0178	Co	0.500	0.0187	1.000	0.500	Co
Cu	4.000	0.7458	Cu	4.000	0.7696	10.000	8.000	Cu
Fe	50.000	10.5290	Fe	50.000	12.6616	50.000	25.000	Fe
Pb	0.500	0.0829	Pb	0.500	0.1592	2.000	1.000	Pb
Mg	250.000	8.5009	Mg	250.000	3.1338	500.000	250.000	Mg
Mn	1.000	0.0397	Mn	1.000	0.1993	2.000	1.000	Mn
Mo	1.000	0.1199	Mo	1.000	0.1410	2.000	1.000	Mo
Ni	4.000	0.4503	Ni	4.000	0.4840	4.000	3.000	Ni
K	250.000	7.7874	K	250.000	45.9354	500.000	100.000	K
Se	1.000	0.4686	Se	1.000	0.2375	1.000	0.500	Se
Ag	2.000	0.0336	Ag	2.000	0.0509	1.000	0.500	Ag
Na	250.000	34.6080	Na	250.000	76.5548	500.000	100.000	Na
Sr	5.000	0.2509	Sr	1.000	0.3427	10.000	5.000	Sr
Tl	0.500	0.1593	Tl	0.500	0.0362	2.000	1.000	Tl
Sn*	5.000	1.0605	Sn	5.000	0.8481	10.000	5.000	Sn
Ti	1.000	0.2358	Ti	1.000	0.4944	2.000	1.000	Ti
V	4.000	0.3535	V	4.000	0.2368	2.000	1.000	V
Zn	10.000	2.2046	Zn	10.000	1.5393	20.000	15.000	Zn

Effective on 6/1/2017.

SGS ACCUTEST LABS, DAYTON, NJ
RL, MDL, and LOD Information for 6020 Analyses on Aqueous Matrices
2017

TEST	Method 6020 waters - normal RL in ug/l (a) dilution)	Method 6020 waters - MDL in ug/l (With 1:2 dilution)	Method 6020 waters - LOQ for DOD (1:2 dilution)	Method 6020 waters - LOD for DOD (1:2 dilution)	TEST
Al	50.000	16.2352	50.000	40.000	Al
Sb	4.000	1.8180	4.000	3.000	Sb
As	1.000	0.3336	3.000	2.000	As
Ba	2.000	0.5410	2.000	1.000	Ba
Be	1.000	0.0238	1.000	0.500	Be
B	50.000	17.2356	50.000	40.000	B
Cd	1.000	0.0732	6.000	4.000	Cd
Ca	500.000	91.1748	500.000	100.000	Ca
Cr	2.000	0.5922	8.000	6.000	Cr
Co	1.000	0.0684	1.000	0.500	Co
Cu	4.000	2.8096	10.000	8.000	Cu
Fe	50.000	14.5078	50.000	25.000	Fe
Pb	1.000	0.5298	3.000	2.000	Pb
Mg	500.000	5.0650	500.000	250.000	Mg
Mn	2.000	0.6714	4.000	2.000	Mn
Mo	2.000	0.2308	2.000	1.000	Mo
Ni	2.000	0.5580	8.000	6.000	Ni
K	500.000	68.3314	500.000	100.000	K
Se	1.000	0.3358	2.000	1.000	Se
Ag	1.000	0.3404	2.000	1.000	Ag
Na	500.000	14.7574	500.000	200.000	Na
Sr	10.000	3.2118	20.000	10.000	Sr
Tl	1.000	0.0470	2.000	1.000	Tl
Sn*	10.000	3.6840	10.000	5.000	Sn
Ti	2.000	0.7146	2.000	1.000	Ti
V	2.000	1.3848	3.000	2.000	V
Zn	10.000	9.2836	20.000	15.000	Zn

Compound List Report
Product: P8081PESTTCL TCL Pesticides
Matrix: SO Solid

May 08, 2018 10:09 am

Method List: P8081 SO
Report List: PTCL ALL
RL/MDL Factor: 1

Method Ref: SW846 8081B
Pesticide TCL List

LJ52699
LJ1046

Compound	CAS No.	RL	MDL	Units	Control Limits (%) Rev: 3/30/17			
					MS/MSD	RPD	BS	DUP
Aldrin	309-00-2	1	0.82	ug/kg	23-143		44 46-120	30
alpha-BHC	319-84-6	1	0.81	ug/kg	18-152		47 45-116	30
beta-BHC	319-85-7	1	0.9	ug/kg	7-143		48 42-121	30
delta-BHC	319-86-8	1	0.96	ug/kg	13-155		49 42-121	30
gamma-BHC (Lindane)	58-89-9	1	0.74	ug/kg	23-138		49 46-118	30
alpha-Chlordane	5103-71-9	1	0.81	ug/kg	16-149		46 49-119	30
gamma-Chlordane	5103-74-2	1	0.45	ug/kg	14-152		45 48-121	30
Dieldrin	60-57-1	1	0.69	ug/kg	14-154		46 48-126	30
4,4'-DDD	72-54-8	1	0.92	ug/kg	18-149		51 47-120	30
4,4'-DDE	72-55-9	1	0.88	ug/kg	10-154		49 48-121	30
4,4'-DDT	50-29-3	1	0.89	ug/kg	10-170		50 45-135	30
Endrin	72-20-8	1	0.78	ug/kg	18-173		49 51-137	30
Endosulfan sulfate	1031-07-8	1	0.78	ug/kg	19-132		50 48-128	30
Endrin aldehyde	7421-93-4	1	0.57	ug/kg	10-160		53 46-125	30
Endosulfan-I	959-98-8	1	0.58	ug/kg	18-143		46 47-118	30
Endosulfan-II	33213-65-9	1	0.62	ug/kg	21-132		46 49-121	30
Heptachlor	76-44-8	1	0.86	ug/kg	22-146		46 48-120	30
Heptachlor epoxide	1024-57-3	1	0.7	ug/kg	21-151		45 46-122	30
Methoxychlor	72-43-5	2	0.8	ug/kg	11-166		50 44-136	30
Endrin ketone	53494-70-5	1	0.72	ug/kg	8-179		51 44-139	30
Toxaphene	8001-35-2	25	23	ug/kg	50-150		30 40-140	30
Tetrachloro-m-xylene	877-09-8				Surrogate Limits:		25-135	
Decachlorobiphenyl	2051-24-3				Surrogate Limits:		10-156	

21 compounds and 2 surrogates reported in list PTCL

Compound List Report

Product: VTO15NYSVLL Volatile Organics-NY Soil Vapor

Matrix: AIR Air

May 08, 2018 10:10 am

Method List: VTO14/15 AIR

Method Ref: TO-15

LJ52514

Report List: VTO15 AIR

VOA TO15 List

LJ40976

RL/MDL Factor: 1

Compound	CAS No.	RL	MDL	Units	Control Limits (%) Rev: 8/15/17			
					MS/MSD	RPD	BS	DUP
Acetone	67-64-1	0.2	0.062	ppbv	60-140		30 70-130	25
1,3-Butadiene	106-99-0	0.2	0.028	ppbv	60-140		30 70-130	25
Benzene	71-43-2	0.2	0.026	ppbv	60-140		30 70-130	25
Bromodichloromethane	75-27-4	0.2	0.029	ppbv	60-140		30 70-130	25
Bromoform	75-25-2	0.2	0.018	ppbv	60-140		30 70-130	25
Bromomethane	74-83-9	0.2	0.033	ppbv	60-140		30 70-130	25
Bromoethene	593-60-2	0.2	0.016	ppbv	70-114		30 70-130	25
Benzyl Chloride	100-44-7	0.2	0.021	ppbv	60-140		30 70-130	25
Carbon disulfide	75-15-0	0.2	0.033	ppbv	60-140		30 70-130	25
Chlorobenzene	108-90-7	0.2	0.017	ppbv	60-140		30 70-130	25
Chloroethane	75-00-3	0.2	0.036	ppbv	60-140		30 70-130	25
Chloroform	67-66-3	0.2	0.031	ppbv	10-140		30 70-130	25
Chloromethane	74-87-3	0.2	0.065	ppbv	60-140		30 70-130	25
3-Chloropropene	107-05-1	0.2	0.037	ppbv	70-130		30 70-130	25
2-Chlorotoluene	95-49-8	0.2	0.036	ppbv	74-119		30 70-130	25
Carbon tetrachloride	56-23-5	0.2	0.02	ppbv	60-140		30 70-130	25
Cyclohexane	110-82-7	0.2	0.035	ppbv	60-140		30 70-130	25
1,1-Dichloroethane	75-34-3	0.2	0.033	ppbv	60-140		30 70-130	25
1,1-Dichloroethylene	75-35-4	0.2	0.033	ppbv	60-140		30 70-130	25
1,2-Dibromoethane	106-93-4	0.2	0.022	ppbv	60-140		30 70-130	25
1,2-Dichloroethane	107-06-2	0.2	0.026	ppbv	60-140		30 70-130	25
1,2-Dichloropropane	78-87-5	0.2	0.033	ppbv	60-140		30 70-130	25
1,4-Dioxane	123-91-1	0.2	0.047	ppbv	60-140		30 70-130	25
Dichlorodifluoromethane	75-71-8	0.2	0.025	ppbv	60-140		30 70-130	25
Dibromochloromethane	124-48-1	0.2	0.025	ppbv	60-140		30 70-130	25
trans-1,2-Dichloroethylene	156-60-5	0.2	0.026	ppbv	60-140		30 70-130	25
cis-1,2-Dichloroethylene	156-59-2	0.2	0.034	ppbv	60-140		30 70-130	25
cis-1,3-Dichloropropene	10061-01-5	0.2	0.023	ppbv	60-140		30 70-130	25
m-Dichlorobenzene	541-73-1	0.2	0.029	ppbv	60-140		30 70-130	25
o-Dichlorobenzene	95-50-1	0.2	0.028	ppbv	60-140		30 70-130	25
p-Dichlorobenzene	106-46-7	0.2	0.029	ppbv	60-140		30 70-130	25
trans-1,3-Dichloropropene	10061-02-6	0.2	0.029	ppbv	60-140		30 70-130	25
Ethanol	64-17-5	0.5	0.095	ppbv	60-140		30 70-130	25
Ethylbenzene	100-41-4	0.2	0.023	ppbv	60-140		30 70-130	25
Ethyl Acetate	141-78-6	0.2	0.065	ppbv	60-140		30 70-130	25
4-Ethyltoluene	622-96-8	0.2	0.028	ppbv	60-140		30 70-130	25
Freon 113	76-13-1	0.2	0.024	ppbv	60-140		30 70-130	25
Freon 114	76-14-2	0.2	0.024	ppbv	60-140		30 70-130	25
Heptane	142-82-5	0.2	0.046	ppbv	60-140		30 70-130	25
Hexachlorobutadiene	87-68-3	0.2	0.024	ppbv	60-140		30 70-130	25
Hexane	110-54-3	0.2	0.026	ppbv	60-140		30 70-130	25
2-Hexanone	591-78-6	0.2	0.041	ppbv	60-140		30 70-130	25
Isopropyl Alcohol	67-63-0	0.2	0.09	ppbv	60-140		30 70-130	25
Methylene chloride	75-09-2	0.2	0.033	ppbv	60-140		30 70-130	25
Methyl ethyl ketone	78-93-3	0.2	0.043	ppbv	60-140		30 70-130	25
Methyl Isobutyl Ketone	108-10-1	0.2	0.057	ppbv	60-140		30 70-130	25
Methyl Tert Butyl Ether	1634-04-4	0.2	0.019	ppbv	60-140		30 70-130	25
Methylmethacrylate	80-62-6	0.2	0.044	ppbv	70-130		30 70-130	25

Propylene	115-07-1	0.5	0.059 ppbv	60-140	30 70-130	25
Styrene	100-42-5	0.2	0.046 ppbv	60-140	30 70-130	25
1,1,1-Trichloroethane	71-55-6	0.2	0.017 ppbv	60-140	30 70-130	25
1,1,2,2-Tetrachloroethane	79-34-5	0.2	0.036 ppbv	60-140	30 70-130	25
1,1,2-Trichloroethane	79-00-5	0.2	0.022 ppbv	60-140	30 70-130	25
1,2,4-Trichlorobenzene	120-82-1	0.2	0.038 ppbv	60-140	30 70-130	25
1,2,4-Trimethylbenzene	95-63-6	0.2	0.051 ppbv	60-140	30 70-130	25
1,3,5-Trimethylbenzene	108-67-8	0.2	0.03 ppbv	60-140	30 70-130	25
2,2,4-Trimethylpentane	540-84-1	0.2	0.026 ppbv	69-119	30 70-130	25
Tertiary Butyl Alcohol	75-65-0	0.2	0.026 ppbv	60-140	30 70-130	25
Tetrachloroethylene	127-18-4	0.04	0.016 ppbv	60-140	30 70-130	25
Tetrahydrofuran	109-99-9	0.2	0.045 ppbv	60-140	30 70-130	25
Toluene	108-88-3	0.2	0.029 ppbv	60-140	30 70-130	25
Trichloroethylene	79-01-6	0.04	0.012 ppbv	60-140	30 70-130	25
Trichlorofluoromethane	75-69-4	0.2	0.015 ppbv	60-140	30 70-130	25
Vinyl chloride	75-01-4	0.2	0.038 ppbv	60-140	30 70-130	25
Vinyl Acetate	108-05-4	0.2	0.027 ppbv	60-140	30 70-130	25
m,p-Xylene		0.2	0.067 ppbv	60-140	30 70-130	25
o-Xylene	95-47-6	0.2	0.035 ppbv	60-140	30 70-130	25
Xylenes (total)	1330-20-7	0.2	0.035 ppbv	60-140	30 70-130	25

4-Bromofluorobenzene 460-00-4 Surrogate Limits: 65-128

68 compounds and 1 surrogates reported in list VTO15

Appendix B

Quality Assurance Project Plan



QUALITY ASSURANCE PROJECT PLAN

For

REMEDIAL INVESTIGATION WORK PLAN

**1801 Falmouth Avenue, New Hyde Park, NY
NYSDEC SITE #130211**

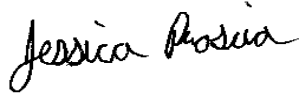
**April 2018
Revised May 2018**

**Prepared for:
SEABOARD ESTATES, INC.
c/o BEVERIDGE & DIAMOND, LLC
477 Madison Avenue, 15th Floor
New York, NY 10022-5802**

**Prepared by:
CA RICH CONSULTANTS, INC.
17 Dupont Street
Plainview, NY 11803-1614**

Quality Assurance Project Plan

1.1 Introduction - The following Quality Assurance Project Plan ("QAPP") has been prepared specifically for the Remedial Investigation Work Plan at 1801 Falmouth Avenue in New Hyde Park, New York. This Plan was prepared and approved as stated below.



Prepared by: _____
Jessica Proscia, Environmental Scientist

5/23/18
Date: _____



Approved by: _____
Richard Izzo, Vice President

5/23/18
Date: _____

1.2 QAPP - Table of Contents

The following elements are included in this QAPP:

- Title Page and Introduction
- Table of Contents
- Project Description
- Project Organization
- Quality Assurance Objectives for Data Measurements
- Sampling Procedure
- Sample and Document Custody Procedures
- Calibration Procedures and Frequency
- Analytical Procedures
- Data Reduction, Validation and Reporting
- Internal Quality Control Checks
- Performance and System Audits
- Preventive Maintenance
- Data Measurement Assessment Procedures
- Corrective Action
- Quality Assurance Reports and Management

1.3 Project Description - The Site Remedial Investigation Work Plan subject to this QAPP have been prepared to address the following issues:

- Determine the nature and extent of the remaining contamination at the subject Property.

The investigative methods that will be used include monitoring well and groundwater sampling, soil vapor probe installation and sampling, and soil sampling. These are described in detail in the Remedial Investigation Work Plan.

1.4 Project Organization – Ms. Proscia will serve as the Project Manager (PM) and will be responsible for the overall scheduling and performance of all investigative activities.

Ms. Proscia will also serve as the Quality Assurance Officer (QAO) for this project. Her duties will include:

- Review of laboratory data packages
- Interface with laboratory
- Performance of Field Audits

Experienced CA RICH staff will perform and/or oversee completion of all the field activities described in the Investigation Work Plan. Appendix A provides a copy of CA RICH résumés.

1.5 Quality Assurance Objectives and Data Measurement – There are two sources of data collection methodology that will provide data information during this Investigation.

Field Screening - Organic vapor readings will be recorded from the head space of soil samples. This data is intended to be used only as a screening tool. To meet these goals, clean sampling tools will be used for each head space measurement and the photo-ionization detector (PID) will be calibrated at the beginning of each screening day on-site.

Chemical Analysis – All environmental samples will delivered to a New York State- ELAP Certified laboratory contracted to CA RICH for chemical analysis. This data is intended to determine the nature and extent of contamination in soil and groundwater. The laboratory will follow the NYSDEC – Analytical Services Protocol dated 2005. All analytical reports will be prepared in NYSDEC ASP Category B deliverables. All samples will be placed in iced-filled coolers and delivered to the laboratory within 48 hours of collection.

Quality assurance objectives are generally defined in terms of five parameters:

- **Representativeness** - Representativeness is the degree to which sampling data accurately and precisely represents site conditions, and is dependent on sampling and analytical variability. The Supplemental Site Investigation Work Plan has been designed to assess the presence of the constituents in the target media at the time of sampling. The Plan presents the rationale for sample quantities and location. The Plan also presents field sampling methodologies and laboratory analytical methodologies.

The use of the prescribed field and laboratory analytical methods with associated holding times and preservation requirements are intended to provide representative data. Further discussion of QC checks is presented in Section 1.11.

- **Comparability** - Comparability is the degree of confidence with which one data set can be compared to another data set. Comparability between this investigation and to the extent possible, with existing data will be maintained through consistent sampling and analytical methodology set forth in the QAPP; the and the Supplemental Site Investigation Work Plan; the NYSDEC ASP analytical methods (2005) with NYSDEC ASP QA/QC requirements (1995); and through use of QA/QC procedures and appropriately trained personnel.
- **Completeness** - Completeness is defined as a measure of the amount of valid data obtained from a sampling event compared to the amount that was expected to be obtained under normal conditions. This will be determined upon assessment of the analytical results.
- **Precision** - Precision is the measure of reproducibility of sample results. The goal is to maintain a level of analytical precision consistent with the objectives of the Work Plan. To maximize precision, sampling and analytical procedures will be followed. All work for the investigation phase of this project will adhere to established protocols presented in the QAPP, Remedial Investigation Work Plan. Checks for analytical precision will include the analysis of matrix spike duplicated, laboratory duplicates, and field duplicates. Checks for field measurement precision will include obtaining duplicate field measurements. Further discussion of precision QC checks is provided in Section 1.11.
- **Accuracy** - Accuracy is the deviation of a measurement from the true value of a known standard. Both field and analytical accuracy will be monitored through initial and continuing calibration of instruments. In addition, internal standards, matrix spikes, blank spikes, and surrogates (system monitoring compounds) will be used to assess the accuracy of the laboratory analytical data.

1.6 Sampling Procedures - The sampling procedures that will be employed are discussed in detail in the Remedial Investigation Work Plan.

1.7 Sample and Document Custody Procedures

- **General** - The Chain-of-Custody program allows for the tracing of possession and handling of the sample from its time of collection through its chemical analysis in the laboratory. Appendix B provides a sample chain of custody. The chain-of-custody program at this site will include:
 - Sample labels
 - Chain-of-Custody records
 - Field records

- **Sample Container Details**

Sample Matrix and Parameters	Container Type and Preservative	Method	Holding Time*
Soil			
Pesticides	1 - 8 oz jar	USEPA 8081	7 Days
Total Metals	1 - 8 oz jar	SW6010/7471B	28 Days**
Groundwater			
Perfluorinated Chemicals	2 - 500 ml with Trizma	USEPA 537MOD	14 Days
VOCs	3 - 40 Vial with HCL	USEPA 8260C	14 Days
SVOCs	1 - 1 Liter Amber Unpreserved	USEPA 8270	7 Days
Pesticides	1 - 1 Liter Amber Unpreserved	USEPA 8081	7 Days
PCBs	1 - 1 Liter Amber Unpreserved	USEPA 8082	7 Days
Total Metals	1 - 500ml Plastic HNO3	SW6010/7471B	28 Days**
Dissolved Metals	1 - 500ml Plastic HNO3	SW6010/7471B	28 Days**
1,4- Dioxane	1 – 1 Liter Amber Unpreserved	USEPA 8270 SIM	7 Days
Soil Vapor, Indoor Air and Ambient Air			
VOCs	1 - Six-liter Summa Canister /None	TO-15	30 Days
*Holding Time is calculated from collection date as per ASP – Exhibit1			
** For Mercury the holding time is 28 days for all other 180 days			
All soil and groundwater samples will be stored at < 4°C +/- 2°			

- **Sample Labels** - To prevent misidentification of samples, a label will be affixed to the sample container and will contain the following information:

- Site Name
- Sample identification number
- Date and time of collection
- Initials of Sampler
- Preservation (if any)
- Type of analysis to be conducted.

- **Chain-of-Custody Records** - To establish the documentation necessary to trace sample possession from the time of collection, a chain-of-custody record (sample attached) will be filled out and will accompany samples at all times. The record will contain the following information:

- Project name:
- Printed name and signature of samplers
- Sample number
- Date and time of collection
- Sampling location
- Number of containers for each sample
- Signature of individuals involved in sample transfer (when relinquishing and accepting samples)
- Inclusive dates and times of possession.

- **Field Records** - Field records will be maintained during each sampling effort in a logbook. All aspects of sample collection, handling and visual observations will be recorded. All sample collection equipment, field analytical equipment and equipment utilized to make physical measurements will be identified in the field logbook.

All calculations, results and calibration data for field sampling, field analytical and field physical measurement equipment will also be recorded in the field logbook. Entries will be dated and initialed. Entries will be made in ink, and will be legible.

1.8 Calibration Procedures and Frequency - The contracted laboratory will follow the NYSDEC Category-B requirements for equipment calibration procedures and frequency.

The QA Officer will be responsible for ensuring that the Field PID is calibrated at the beginning of each day of field sampling using calibration gas supplied by the manufacturer. A log of the meter calibration will be kept in the field logbook.

1.9 Analytical Procedures - All laboratory analysis will follow NYSDEC ASP (2005) protocols with Category B deliverables. The following samples will be collected for QA/QC purposes: 1 trip blank, 1 field blank, 1 duplicate samples, 1 matrix spike, and 1 matrix spike duplicate per every twenty field samples. A qualified data validator will review the laboratory data and a Data Usability Summary Report (DUSR) will be prepared.

1.10 Data Reduction, Validation and Reporting

- **Field Data** - All field data recorded in logbooks or on log sheets will be evaluated in the Office and transferred to word processor text by field personnel or clerical staff. PID readings will be included on the logs. The QAO and/or PM will review this data for accuracy and completeness. Typed test pit logs will be prepared for all test pits. Construction diagrams will be prepared for all monitoring wells and soil vapor probes installed by CA RICH.
- **Laboratory Data** - The laboratory will transfer the instrument readings to laboratory report forms. Ms. Lori Beyer will perform independent data validation of all analytical data using NYSDEC DUSR protocols. Appendix A provides a copy of Ms. Lori Beyers résumé.

The Data Validator will provide CA RICH with a Data Validation Summary Report in accordance with Appendix 2B of DER-10. The data validator will be instructed to apply "JL" qualifiers to VOC data with detections of less than 200 ppb in accordance with EPA Method 5035. The QAO will review the summary report as well as other field data and prepare a Data Usability Report.

CA RICH will prepare summary tables of the validated analytical data using computer spreadsheet software. The data entries will be reviewed using the red check-green check method. All entries will be reviewed and entry errors will be marked in red ink. Once these entries are corrected, the printouts will be marked with green ink and placed in the project file.

1.11 Internal Quality Control Checks

Both field and laboratory quality control checks are proposed for this project. In the event that there are any deviations from these checks, the Project Manager and Quality Assurance Officer will be notified. The proposed field and laboratory control checks are discussed below.

Field Quality Control Checks

- **Field Measurements** - To verify the quality of data collected using field instrumentation, at least one duplicate measurement will be obtained per day and reported for all field analytical measurements.
- **Sample Containers** - Certified-clean sample containers will be supplied by the contracted laboratory.
- **Field Duplicates** – Field duplicates will be collected to check reproducibility of the sampling methods. Field duplicates will be prepared as discussed in the Supplemental Site Investigation Work Plan. Field duplicates will be analyzed every 20 field samples.
- **Field Rinse Blanks** – Field rinse blanks are used to monitor the cleanliness of the sampling equipment and the effectiveness of the cleaning procedures. Field rinse blanks will be prepared and submitted for analysis during this investigation. Field rinse blanks will be prepared by filling sample containers with analyte-free water (supplied by the laboratory), which has been routed through a cleaned sampling device.
- **Trip Blanks** – Trip blanks will be used to assess whether site samples have been exposed to non-site-related volatile constituents during storage and transport. Trip blanks will be analyzed at a frequency of once per day, and will be analyzed for volatile organic constituents. A trip blank will consist of a container filled with analyte-free water (supplied by the laboratory), which remains unopened with field samples throughout the sampling event. Trip blanks will only be analyzed for volatile organic constituents.

1.12 Performance and Systems Audits

Performance and systems audits will be completed in the field and the laboratory during the investigation phase of this project as described below.

- **Field Audits** – CA RICH's Project Manager and Quality Assurance Officer will monitor field performance and field meter calibrations to verify that measurements are taken according to established protocols. The Project Manager will review all field logs. In addition, the Project Manager and the Quality Assurance Officer will review the field rinse and trip blank data to identify potential deficiencies in field sampling and cleaning procedures.
- **Laboratory Audits** – The contracted laboratory will perform internal audits consistent with NYSDEC ASP (1995).

1.13 Preventive Maintenance

Preventive maintenance schedules have been developed for both field and laboratory instruments. A summary of the maintenance activities to be performed is presented below.

- **Field Instruments and Equipment** - Prior to any field sampling, each piece of field equipment will be inspected to assure it is operational. If the equipment is not operational, it must be serviced prior to use. All meters which require charging or batteries will be fully charged or have fresh batteries. If instrument servicing is required, it is the responsibility of the field personnel to follow the maintenance schedule and arrange for prompt service.
- **Laboratory Instruments and Equipment** - The laboratory will document Laboratory instrument and equipment procedures. Documentation includes details of any observed problems, corrective measure(s), routine maintenance, and instrument repair (which will include information regarding the repair and the individual who performed the repair).

Preventive maintenance of laboratory equipment generally will follow the guidelines recommended by the manufacturer. A malfunctioning instrument will be repaired immediately by in-house staff or through a service call from the manufacturer.

1.14 Data Assessment Procedures

The analytical data generated during the Investigation Work Plan will be evaluated with respect to precision, accuracy, and completeness. The procedures utilized when assessing data precision, accuracy, and completeness are presented below.

- **Data Precision Assessment Procedures** - Field precision is difficult to measure because of temporal variations in field parameters. However, precision will be controlled through the use of experienced field personnel, properly calibrated meters, and duplicate field measurements. Field duplicates will be used to assess precision for the entire measurement system including sampling, handling, shipping, storage, preparation and analysis.

Laboratory data precision for organic analyses will be monitored through the use of matrix spike duplicate sample analyses. For other parameters, laboratory data precision will be monitored through the use of field duplicates and/or laboratory duplicates.

The precision of data will be measured by calculation of the standard deviation (SD) and the coefficient of variation (CV) of duplicate sample sets. The SD and CV are calculated for duplicate sample sets by:

$$SD = (A-B)/1.414$$

$$CV = SD/((A+B)/2) = 1.414(A-B)/(A+B)$$

Where:

A = Analytical result from one of two duplicate measurements
B = Analytical result from the second measurement.

Where appropriate, A and B may be either the raw measurement or an appropriate mathematical transformation of the raw measurement (e.g., the logarithm of the concentration of a substance).

Alternately, the relative percent difference (RPD) can be calculated by the following equation:

$$RPD = \frac{(A-B)}{(A+B)/2} \times 100$$

$$RPD = 1.414 (CV)(100)$$

- **Data Accuracy Assessment Procedures** - The accuracy of field measurements will be controlled by experienced field personnel, properly calibrated field meters, and adherence to established protocols. The accuracy of field meters will be assessed by review of calibration and maintenance logs.

Laboratory accuracy will be assessed via the use of matrix spikes, surrogate spikes, and internal standards. Where available and appropriate, QA performance standards will be analyzed periodically to assess laboratory accuracy. Accuracy will be calculated as a percent recovery as follows:

$$\text{Accuracy} = \frac{A-X}{B} \times 100$$

Where:

A = Value measured in spiked sample or standard

X = Value measured in original sample

B = True value of amount added to sample or true value of standard

This formula is derived under the assumption of constant accuracy over the original and spiked measurements. If any accuracy calculated by this formula is outside of the acceptable levels, data will be evaluated to determine whether the deviation represents unacceptable accuracy, or variable, but acceptable accuracy. Accuracy objectives for matrix spike recoveries and surrogate recovery objectives are identified in the NYSDEC, ASP (1995).

- **Data Completeness Assessment Procedures** - Completeness of a field or laboratory data set will be calculated by comparing the number of samples collected or analyzed to the proposed number.

$$\text{Completeness} = \frac{\text{No. Valid Samples Collected or Analyzed}}{\text{No. Proposed Samples Collected or Analyzed}} \times 100$$

As general guidelines, overall project completeness is expected to be at least 90 percent. The assessment of completeness will require professional judgment to determine data usability for intended purposes.

1.15 Corrective Action

Corrective actions are required when field or analytical data are not within the objectives specified in this QAPP, or the Supplemental Investigation Work Plan. Corrective actions include procedures to promptly investigate, document, evaluate, and correct data collection and/or analytical procedures. Field and laboratory corrective action procedures for this project are described below.

- **Field Procedures** - When conducting the investigative fieldwork, if a condition is noted that would have an adverse effect on data quality, corrective action will be taken so as not to repeat this condition. Condition identification, cause and corrective action implemented will be documented as a memo to the project file and reported to the Project Manager.

Examples of situations, which would require corrective actions, are provided below:

- Protocols as defined by the QAPP and the Supplemental Site Investigation Work Plan have not been followed;
- Equipment is not in proper working order or properly calibrated;
- QC requirements have not been met; and
- Issues resulting from performance or systems audits.

Project field personnel will continuously monitor ongoing work performance in the normal course of daily responsibilities.

- **Laboratory Procedures** - In the laboratory, when a condition is noted to have an adverse effect on data quality, corrective action will be taken so as not to repeat this condition. Condition identification, cause and corrective action to be taken will be documented, and reported to the Quality Assurance Officer.

Corrective action may be initiated, at a minimum, under the following conditions:

- Specific laboratory analytical protocols have not been followed;
- Predetermined data acceptance standards are not obtained;
- Equipment is not in proper working order or calibrated;
- Sample and test results are not completely traceable;
- QC requirements have not been met; and
- Issues resulting from performance or systems audits.

Laboratory personnel will continuously monitor ongoing work performance in the normal course of daily responsibilities.

1.16 Quality Assurance Reports and Management

- **Internal Reporting** - The analytical laboratory will submit analytical reports using NYSDEC ASP (1995), Category B requirements. The analytical reports will be submitted to the Data Validator for review. Supporting data (i.e., historic data, related field or laboratory data) will also be reviewed to evaluate data quality, as appropriate. The Quality Assurance Officer will incorporate results of data validation reports (if any) and assessments of data usability into a summary report. This report will be filed in the project file and will include the following:
 - Assessment of data accuracy, precision, and completeness for field & laboratory data;
 - Results of the performance and systems audits;
 - Significant QA/QC problems, solutions, corrections, and potential consequences;
 - Analytical data validation report; and
 - Data usability report.
- **Reporting** - The Site Characterization Report will contain a separate QA/QC section including the DUSR and a summary of data collected and/or used as appropriate to the project DQOs. The Quality Assurance Officer will prepare the QA/QC summary tables and reports and memoranda documenting the data assessment and validation.

1.17 Proposed Sub-Contractors (subject to change based on availability)

- Drilling – Cascade Drilling
- Laboratory – Accutest Laboratories
- Data validator – Lori Beyer

APPENDIX A

Résumés

JESSICA E. PROSCIA, B.S.

▪ **TITLE**

Project Environmental Scientist

▪ **EDUCATION**

Bachelor of Science, Health Science, Environmental Health and Safety, State University of New York at Stony Brook, 2007

▪ **CERTIFICATIONS**

40-hour OSHA Hazardous Waste Operations and Emergency Response Training (OSHA 29 CFR 1910.120)

8-hour OSHA Hazardous Waste Operations and Emergency Response Refresher Training

Standard First Aid Training - American Red Cross

CPR Training – American Red Cross

▪ **PROFESSIONAL EXPERIENCE**

Project Environmental Scientist, C A Rich Consultants, Inc., Oct. 2008 – Present

As a Project Environmental Scientist with CA RICH, Ms. Proscia's responsibilities include the conductance of Phase I and Phase II Environmental Site Assessments (ESAs). Ms. Proscia has also conducted all aspects of environmental investigations including UST removals, supervision of drilling and well installation, sanitary system or dry well clean-outs, groundwater, and soil sampling, soil delineation, excavation, petroleum and hazardous waste disposal, analytical interpretation, groundwater contouring, and report preparation.

Environmental Scientist/Health and Safety Officer, Hydro Tech Environmental Corp., 2007 - 2008

As an Environmental Scientist with Hydro Tech Environmental, Ms. Proscia's responsibilities included Phase I ESA's through Subsurface Investigations. Ms. Proscia was also involved in site supervision on several properties in New York State.

Ms. Proscia performed on site safety inspections for the company's field crew as well as trained staff for the OSHA 40-hour and 8-hour refresher course.

▪ **PROFESSIONAL AFFILIATIONS**

Long Island Association of Professional Geologists (LIAPG)

L.A.B. Validation Corp.
Qualification Summary

Services Overview

L.A.B. Validation is an independent outside source that evaluates data integrity, compliance and usability. L.A.B. Validation utilizes the USEPA National Functional Guidelines, as well as other program specific requirements supplied by the client. L.A.B. Validation has a dedicated office facility and secure data storage area. Projects are scheduled and completed within client specified deadlines. Reports are issued via hardcopy and or fax/email/disk deliverables. L.A.B. Validation Corp. operates under Employer Identification Number 58-238-1714 and maintains General Liability Insurance for all projects.

Personnel Overview

L.A.B. Validation has a unique blend of technical expertise and environmental laboratory operational experience. Ms. Beyer has 25 years of progressive positions that required analytical and QA working knowledge. She is well versed in Organic and Inorganic analyses and the associated USEPA requirements as well as other Federal Agency (i.e. USCOE) and State regulations. She has completed data validation training for both Organic and Inorganic analyses (see attached Certificates).

References

Mr. Scott Haas
Foster Wheeler Environmental Corporation
4960 Corporate Drive, Suite 140
Huntsville, AL 35805
Phone (256) 830-4100
Program: US NAVY RAC

Mr. Steve Malinowski
CA Rich Consultants
17 Dupont Street
Plainview, New York 11771
Phone (516) 589-0093
Program: USEPA/NYSDEC SUPERFUND

Mr. Chris Candela
Clean Tech
2700 Capitol Trail
Newark, DE 19711
Phone (302) 999-0925
Program: USACOE

Mr. Carl Hsu
Tetrattech, Inc.
58 West Main Street
Christiana, DE 19702
Phone (302) 738-7551
Program: USACOE

Mr. David Allen
The Kevric Company, Inc.
Silver Spring Metro Plaza One
8401 Colesville Road, Suite 610
Silver Spring, Maryland 20910
Program: US NAVY RAC

Mr. Joseph Heaney
Walden Associates
16 Spring Street
Oyster Bay, New York 11771
Phone (516) 624-7200
Program: NYSDEC

Mr. Andy Coenen
Environmental Resources Management
510 Broadhollow Road, Suite 210
Melville, New York 11747
Phone (631) 756-8900
Program: NYSDEC RI/FS

Mr. Dan Palmer
Modern Continental Construction Co., Inc.
950 Fountain Avenue
Brooklyn, New York
Program: NYCDEP

L.A.B. Validation Corp., 14 West Point Drive, East Northport, New York 11731

Lori A. Beyer

SUMMARY:

General Manager/Laboratory Director with a solid technical background combined with Management experience in environmental testing industry. Outstanding organizational, leadership, communication and technical skills. Customer focused, quality oriented professional with consistently high marks in customer/employee satisfaction.

EXPERIENCE:

1998-Present L.A.B. Validation Corporation, 14 West Point Drive, East Northport, NY

President

- Perform Data Validation activities relating to laboratory generated Organic and Inorganic Environmental Data.

1998-Present American Analytical Laboratories, LLC. 56 Toledo Street, Farmingdale, NY

Laboratory Director/Technical Director

- Plan, direct and control the operation, development and implementation of programs for the entire laboratory in order to meet AAL's financial and operational performance standards.
- Ensures that all operations are in compliance with AAL's QA manual and other appropriate regulatory requirements.
- Actively maintains a safe and healthy working environment that is demanded by local laws/regulations.
- Monitors and manages group's performance with respect to data quality, on time delivery, safety, analyst development/goal achievement and any other key performance indices.
- Reviews work for accuracy and completeness prior to release of results to customers.

1996-1998 Nytest Environmental, Inc. (NEI) Port Washington, New York

General Manager

- Responsible for controlling the operation of an 18,000 square foot facility to meet NEI's financial and operational performance standards.
- Management of 65 FTEs including Sales and Operations
- Ensure that all operations are in compliance with NEI's QA procedures
- Ensures that productivity indicators, staffing levels and other cost factors are held within established guidelines
- Maintains a quantified model of laboratory's capacity and uses this model as the basis for controlling the flow of work into and through the lab so as to ensure that customer requirements and lab's revenue and contribution targets are achieved.

1994-1996 Nytest Environmental, Inc. (NEI) Port Washington, New York

Technical Project Manager

- Responsible for the coordination and implementation of environmental testing programs requirements between NEI and their customers
- Supervise Customer Service Department
- Assist in the development of major proposals
- Complete management of all Federal and State Contracts and assigned commercial contracts
- Provide technical assistance to the customer, including data validation and interpretation
- Review and implement Project specific QAPP's.

1995-1996 Nytest Environmental, Inc. (NEI) Port Washington, New York

Corporate QA/QC Officer

- Responsible for the implementation of QA practices as required in the NJDEP and EPA Contracts
- Primary contact for NJDEP QA/QC issues including SOP preparation, review and approval
- Responsible for review, verification and adherence to the Contract requirements and NEI QA Plan

1992-1994 Nytest Environmental, Inc. (NEI) Port Washington, New York

Data Review Manager

- Responsible for the accurate compilation, review and delivery of analytical data to the company's customers. Directly and effectively supervised a department of 22 personnel.
- Managed activities of the data processing software including method development, form creation, and production
- Implement new protocol requirements for report and data management formats
- Maintained control of data storage/archival areas as EPA/CLP document control officer

1987-1991 Nytest Environmental, Inc. (NEI) Port Washington, New York

Data Review Specialist

- Responsible for the review of GC, GC/MS, Metals and Wet Chemistry data in accordance with regulatory requirements
- Proficient with USEPA, NYSDEC, NJDEP and NEESA requirements
- Review data generated in accordance with SW846, NYSDEC ASP, EPA/CLP and 40 CFR Methodologies

1986-1987 Nytest Environmental, Inc. (NEI) Port Washington, New York

GC/MS VOA Analyst

EDUCATION:

1982-1985 State University of New York at Stony Brook, New York; BS Biology/Biochemistry

1981-1982 University of Delaware; Biology/Chemistry

5/91 Rutgers University; Mass Spectral Data Interpretation Course, GC/MS Training

8/92 Westchester Community College; Organic Data Validation Course

9/93 Westchester Community College; Inorganic Data Validation Course

Westchester Community College

Professional Development Center

Awards this Certificate of Achievement To

LORI BEYER

for Successfully Completing

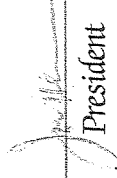
ORGANIC DATA VALIDATION COURSE (35 HOURS)

Dr. John Samuelian

Date AUGUST 1992



Assistant Dean
Professional Development Center



President



The Professional
Development Center



SUNY
WESTCHESTER COMMUNITY COLLEGE
Valhalla, New York 10595

Westchester Community College

Professional Development Center

Awards this Certificate of Achievement To

LORI BEYER

for Successfully Completing

INORGANIC DATA VALIDATION

Instructor: Dale Boshart

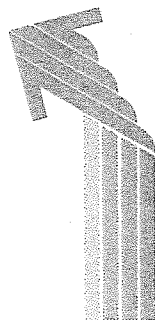
Date MARCH 1993

Arch Alt

Assistant Dean
Professional Development Center

J. B.

President



The Professional
Development Center



SUNY
WESTCHESTER COMMUNITY COLLEGE
Valhalla, New York 10595

State University of New York

State University at Stony Brook

On the Recommendation of the Faculty and by Virtue of the Authority
vested in them the Trustees of the University have conferred on

Lori Ann Isenberg

the Degree of

Bachelor of Science

and have granted this Diploma as evidence thereof
Given at Stony Brook, in the State of New York, in the United States
of America on the twentieth day of December one thousand nine
hundred and eighty-five.

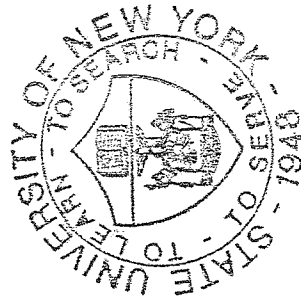
J. M. Plinkan

Chairman of the Board of Trustees

Ernest Aullman

Chairman of the Council,

State University at Stony Brook



E. Vanden

Chancellor of the State University of New York

John H. Marburger, Jr.

President,

State University at Stony Brook

APPENDIX B

Sample Chain of Custody



Client / Reporting Information				Project Information				Requested Analysis (see TEST CODE sheet)												Matrix Codes																					
Company Name		Project Name		Street Address		City		State		Zip		Billing Information (If different from Report to)		Company Name		Street Address		City		State		Zip		Attention:		PO#															
Street Address		Street:		City:		Project#		Client PO#		Project Manager		Collection		MEOH/DI Vial #		Date		Time		Sampled by		Matrix		# of bottles		HCl		NaOH		H2SO4		NONE		DI Water		MEOH		ENCORE		Bisulfate	
Field ID / Point of Collection		SGS Accutest Sample #		Date		Time		Sampled by		Matrix		# of bottles		HCl		NaOH		H2SO4		NONE		DI Water		MEOH		ENCORE		Bisulfate													
Date		Time		Date		Time		Sampled by		Matrix		# of bottles		HCl		NaOH		H2SO4		NONE		DI Water		MEOH		ENCORE		Bisulfate													
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Appendix C

Health and Safety Plan

&

Community Air Monitoring Plan



**HEALTH AND SAFETY PLAN
&
COMMUNITY AIR MONITORING PLAN**

For

REMEDIAL INVESTIGATION WORK PLAN

**1801 Falmouth Avenue, New Hyde Park, NY
NYSDEC SITE #130211**

April 2018

Prepared for:

**SEABOARD ESTATES, INC.
c/o BEVERIDGE & DIAMOND, LLC
477 Madison Avenue, 15th Floor
New York, NY 10022-5802**

Prepared by:

**CA RICH CONSULTANTS, INC.
17 Dupont Street
Plainview, NY 11803-1614**

**HEALTH AND SAFETY PLAN
&
COMMUNITY AIR MONITORING PLAN**

1.0 INTRODUCTION

This Health and Safety Plan (HASP) is developed for implementation during the planned site characterization activities at 1801 Falmouth Avenue, New Hyde Park, New York, NYSDEC Site #130211 (hereinafter referred to as the 'Site'). The HASP is to be enforced by the Project Health and Safety Manager and on-site Health & Safety Coordinator (HSC). The on-site HSC will interface with the Project Manager and is vested with the authority to make field decisions including the termination of on-site activities if an imminent health and safety hazard, condition or related concern arises. Information and protocol in the HASP is applicable to all on-site personnel who will be entering the work zone.

2.0 POTENTIAL HAZARDS

2.1 Chemical Hazards

During the investigation activities, CA RICH Consultants, Inc. (CA RICH) will operate as if the contaminants of concern are 1,1,1-trichloroethane (TCA) and its degradation products, metals, and pesticides.

TCA looks like water and has a mild sweet odor like the odor of chloroform or ether. TCA vapor is heavier than air, so it can collect in very high concentrations in pits, tanks, or other low spots. Acute exposure to significant concentrations of TCA can cause irritation of the skin, eyes and mucus membrane, headache, dizziness, nausea, and in high enough concentrations, loss of consciousness and death (Sax, 1984). It is suspected to be carcinogenic with chronic exposure.

Physical properties and additional toxicological information is included in Appendix A.

2.2 Other Health and Safety Risks

The HASP addresses the environmentally-related chemical hazards identified on the Site. Normal physical hazards associated with using drilling equipment and hand tools as well as hazards associated with adverse climatic conditions (heat & cold) also exist and represent a certain degree of risk to be assumed by on-site personnel.

Certain provisions in this Plan, specifically the use of personnel protective equipment, may tend to increase the risk of physical injury, as well as susceptibility to cold or heat stress. This is primarily due to restrictions in dexterity, hearing, sight, and normal body heat transfer inherent in the use of protective gear.

3.0 RISK MANAGEMENT

3.1 Work / Exclusion Zones

For each proposed investigation activity (eg. monitoring well installation, soil vapor sampling, etc.), a work / exclusion zone will be established surrounding the activity. Access to this area will be limited to properly trained, properly protected personnel directly involved with the on-site activities. Enforcement of the work / exclusion zone boundaries is the responsibility of the on-site Health and Safety Coordinator.

3.2 Personnel Protection

Health & Safety regulatory personnel have developed different levels of personnel protection to deal with differing degrees of potential risks of exposure to chemical constituents. The levels are designated as **A**, **B**, **C**, and **D** and ranked according to the amount of personnel protection afforded by each level. Level **A** is the highest level of protection and Level **D** is the lowest level of protection as described below.

A – Fully encapsulating suit, SCBA, hard hat, chemical-resistant steel-toed boots, boot covers, inner and outer gloves.

B – One-piece, hooded chemical-resistant splash suit, SCBA, hard hat, chemical-resistant steel-toed boots, boot covers, inner and outer gloves.

C – One-piece, hooded chemical-resistant splash suit, hard hat, canister equipped face mask, chemical-resistant steel-toed boots, boot covers, inner and outer gloves.

D – Work clothes, hard hat (optional), work boots/shoes, gloves (as needed).

The different levels are primarily dependent upon the degree of respiratory protection necessary, in conjunction with appropriate protective clothing. Levels of protection mandate a degree of respiratory protection. However, flexibility exists within the lower levels (B, C, and D) concerning proper protective clothing.

The four levels of protection were developed for utilization in situations which involve suspected or known atmospheric and/or environmental hazards including airborne contamination and skin-affecting substances.

It is anticipated that all of the investigation work will be performed using Level D protection (no respiratory protection with protective clothing requirements limited to long sleeved shirts, long pants or coveralls, work gloves and steel-toe leather work boots).

Level D may be modified by the HSC to include protective clothing or equipment (Saran-coated disposable coveralls or PVC splash suits, safety glasses, hard hat with face shield, and chemically resistant boots) based upon physical hazards, skin contact concerns, and real-time monitoring.

Real-time air monitoring for total airborne organics using either a photo-ionization detector will determine if and when an upgrade from Level D to a higher level of respiratory protection is warranted. Decisions for an upgrade from Level D to higher levels of protection, mitigative actions, and/or suspension of work are the responsibility of the Project Manager and/or the designated on-site Health & Safety Coordinator.

3.3 Air Monitoring

The Health & Safety Coordinator or his properly trained assignee will conduct “Real Time” air monitoring for total organic vapor and total particulates. ‘Real-time’ monitoring refers to the utilization of instrumentation, which yields immediate measurements. The utilization of real time monitoring helps determine immediate or long-term risks to on-site personnel and the general public, the appropriate level of personnel respiratory protection necessary, and actions to mitigate the recognized hazard. Air monitoring will be conducted in accordance with NYSDOH's Community Air Monitoring Program.

3.3.1. Particulate Monitoring

a. Instrumentation

Dust particulates in air will be monitored using a light scattering technique MINIRAM Model PDM-3 Miniature Real-time Aerosol Monitor (MINIRAM) or equivalent. The MINIRAM is capable of measuring airborne dust particles within the range of 10 to 100,000 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$).

b. Application

Dust monitoring will occur at regular intervals excavation work activities. Monitoring will be conducted in upgradient and downgradient locations, relative to prevailing wind direction) along the perimeter of the work zone. The HSC or his designee will perform monitoring. As outlined in the NYSDOH Community Air Monitoring Plan, if particulate levels in the downwind location are $150 \text{ mg}/\text{m}^3$ greater than those measured in the upwind location, dust suppression techniques shall be employed.

3.3.2 Organic Vapor

a. Instrumentation

Real-time monitoring for total organic vapor (TOV) utilizes either a photo-ionization detector (PID) or flame ionization detector (FID). The appropriate PID is an intrinsically safe HNU Systems Model PI-101 Photoionization detector (HNU) or MiniRae™ Photo-ionization detector or equivalent, which is factory, calibrated to benzene. The appropriate FID is a Foxboro model 128 Organic vapor Analyzer (OVA) or equivalent, which is factory calibrated to methane.

b. Application

Organic vapor monitoring is performed as outlined in the NYSDOH Community Air Monitoring Plan. Specifically, monitoring shall be conducted at the downwind perimeter of the work zone periodically during work activities. If TOV levels exceed 5 parts per million (ppm) above established pre-work background levels, work activities will be halted and monitoring will be continued under the provision of a Vapor Emission Response Plan (as outlined in the Community Air Monitoring Plan).

3.4 Worker Training

Personnel overseeing the drilling will be trained, fit-tested, and medically certified (OSHA 29 CFR 1910.134). This includes the Health & Safety Coordinator or his/her properly trained assignee.

Prior to any work, all workers involved with the project should be aware of the potential chemical, physical and biological hazards discussed in this document, as well as the general safety practices outlined below. A safety briefing by the on-site HSC and/or assistant designee shall take place at the outset of work activities.

The HSC will be available to address project-related health & safety issues a site worker (such as an equipment operator or laborer) may have regarding the site conditions. Once an issue is brought to the HSC's attention, he or she will evaluate the issue and apply the procedures outlined in this Health & Safety Plan.

3.5 General Safety Practices

All project personnel shall follow the following safety practices:

1. Avoid unnecessary skin exposure to subsurface materials. Long-sleeved shirts tucked into long pants (or coveralls), work gloves, and steel-toe leather work boots are required unless modified gear is approved by the HSC. Remove any excess residual soil from clothes prior to leaving the site.
2. No eating, drinking, gum or tobacco chewing, or smoking allowed in designated work areas. Thoroughly wash hands prior to these activities outside the work area. Avoid sitting on the ground during breaks or while eating and drinking. Thoroughly wash all exposed body areas at the end of the workday.

3. Some symptoms of acute exposure include: nausea, dizziness, light-headedness, impaired coordination, headache, blurred vision, and nose/throat/eye irritation. If these symptoms are experienced or strong odor is detected, leave the work area and immediately report the incident to the on-site HSC.

3.6 Enforcement

Enforcement of the Site Safety Plan will be the responsibility of the HSC. The Coordinator should be on-site on a full-time basis and perform or directly oversee all aspects of Project Health & Safety operations including: air monitoring; environmental mitigation; personnel respiratory and skin protection; general safety practices; documentation; emergency procedures and protocol; and reporting and recordkeeping as described below.

3.7 Reporting and Recordkeeping

Incidents involving injury, symptoms of exposure, discovery of contained (potentially hazardous) materials, or unsafe work practices and/or conditions should be immediately reported to the HSC.

A log book must be maintained on-site to document all aspects of HASP enforcement. The log is paginated and dated with entries made on a daily basis in waterproof ink, initialed by the HSC or designee. Log entries should include date and time of instrument monitoring, instrument type, measurement method, test results, calibration and maintenance information, as well as appropriate mitigative actions responding to detections. Miscellaneous information to be logged may include weather conditions, reported complaints or symptoms, regulatory inspections, and reasons to upgrade personnel protection above the normal specification (Level D).

4.0 EMERGENCIES

4.1 EMERGENCY RESPONSE SERVICES

(1)	HOSPITAL Winthrop University Hospital 259 First Street Mineola, NY 11501 (See Figure 1 for Map Route)	(516) 663-0333
(2)	AMBULANCE	911
(3)	FIRE DEPARTMENT HAZARDOUS MATERIAL	911
(4)	POLICE DEPARTMENT	911
(5)	POISON CONTROL CENTER	(800) 222-1222

The preceding list and associated attached map (Figure 1) illustrating the fastest route to the nearest hospital must be conspicuously posted in areas of worker congregation and adjacent to all on-site telephones (if any).

4.2 EMERGENCY PROCEDURES

4.2.1 Contact or Exposure to Suspected Hazardous Materials

In the event of a fire, chemical discharge, medical emergency, workers are instructed to immediately notify the HSC and proper emergency services (posted). Should physical contact with unknown or questionable materials occur, immediately wash the affected body areas with clean water and notify the HSC. Anyone experiencing symptoms of exposure should exit the work area, notify the HSC, and seek medical attention.

4.2.2 Personnel Decontamination, First Aid, and Fire Protection

The first step in the treatment of skin exposure to most chemicals is to rinse the affected area with water. For this reason, adequate amounts of water and soap are maintained on-site in a clearly designated and readily-accessible location. Portable emergency eyewash stations and a first aid kit must be made available and maintained in the same locations as the potable water. Fire extinguishers are also to be maintained on-site in designated locations. All on-site personnel

are to be made aware of the locations of the above-mentioned on-site Health & Safety accommodations during the initial Health and Safety briefing.

4.2.3 Ingress/egress

Clear paths of ingress/egress to work zones and site entrances/exits must be maintained at all times. Unauthorized personnel are restricted from accessing the site.

5.0 COMMUNITY AIR MONITORING PLAN

Real-time air monitoring, for volatile compounds and particulate levels at the perimeter of the work area is necessary. This plan includes the following:

- Volatile organic compounds must be monitored at the downwind perimeter of the work area on a continuous basis. If total organic vapor levels exceed 5 ppm above background, work activities must be halted and monitoring continued under the provisions of a Vapor Emission Response Plan. All readings must be recorded and be available for State (DEC & DOH) personnel to review.
- Particulates should be continuously monitored upwind, downwind and within the work area at temporary particulate monitoring stations during excavation activities. If the downwind particulate level is 150 $\mu\text{g}/\text{m}^3$ greater than the upwind particulate level, then dust suppression techniques must be employed. All readings must be recorded and be available for State (DEC & DOH) personnel to review.

Vapor Emission Response Plan

If the ambient air concentration of organic vapors exceeds 5 ppm above background at the perimeter of the work area, activities will be halted and monitoring continued. If the organic vapor level decreases below 5 ppm above background, work activities can resume. If the organic vapor levels are greater than 5 ppm over background but less than 25 ppm over background at the perimeter of the work area, activities can resume provided:

- The organic vapor level 200 ft. downwind of the work area or half the distance to the nearest residential or commercial structure, whichever is less, is below 5 ppm over background.

If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown. When work shutdown occurs, downwind air monitoring as directed by the Safety Officer will be implemented to ensure that vapor emission does not impact the nearest residential or commercial structure at levels exceeding those specified in the Major Vapor Emission section.

Major Vapor Emission

If any organic levels greater than 5 ppm over background are identified 200 feet downwind from the work area or half the distance to the nearest residential or commercial property, whichever is less, all work activities must be halted.

If, following the cessation of the work activities, or as the result of an emergency, organic levels persist above 5 ppm above background 200 feet downwind or half the distance to the nearest residential or commercial property from the work area, then the air quality must be monitored within 20 feet of the perimeter of the nearest residential or commercial structure (20 Foot Zone).

If efforts to abate the emission source are unsuccessful and, if organic vapor levels are approaching 5 ppm above background for more than 30 minutes in the 20 Foot Zone, then the Major Vapor Emission Response Plan shall automatically be placed into effect;

However, the Major Vapor Emission Response Plan shall be immediately placed into effect if organic vapor levels are greater than 10 ppm above background.

Major Vapor Emission Response Plan

Upon activation, the following activities will be undertaken:

1. All Emergency Response Contacts as listed in the Health and Safety Plan of the Work Plan will go into effect.
2. The local police authorities will immediately be contacted by the Safety Officer and advised of the situation.
3. Frequent air monitoring will be conducted at 30 minutes intervals within the 20 Foot Zone. If two successive readings below action levels are measured, air monitoring may be halted or modified by the Safety Officer.

6.0 HEALTH AND SAFETY PLAN REFERENCES

1. American Conference Governmental Industrial Hygienists, 1989; Threshold Limit Values And Biological Exposure Indices, 111 Pp.
2. Geoenvironmental Consultants, Inc.; 1987; Safety & Operations At Hazardous Materials Sites
3. NIOSH Guide To Chemical Hazards, 1985, US Department Of Health And Human Services, Centers For Disease Control
4. US Department Of Labor Occupational Safety & Health Administration, 1989; Hazardous Waste Operations And Emergency Response Interim Final Rule, 29 CFR Part 1910
5. Sax, N. I. Dangerous Properties Of Industrial Materials; © 1984

7.0 KEY PERSONNEL

<u>Responsibility Name and Phone Number</u>		<u>Task Description</u>
Project Manager	<u>Jessica Proscia (516) 576-8844</u>	Oversee and coordinate all technical aspects for the project
Site Safety Officer	<u>Jessica Proscia (516) 576-8844</u>	Coordinate and inspect all health and safety operations from the project site
Client Representative	<u>Laurence Gordon (516) 354-4308</u>	
Project Manager Alternate	<u>Jason Cooper (516) 576-8844</u>	
Site Safety Officer Alternate	<u>Jason Cooper (516) 576-8844</u>	

Figure 1

Hospital Route Map

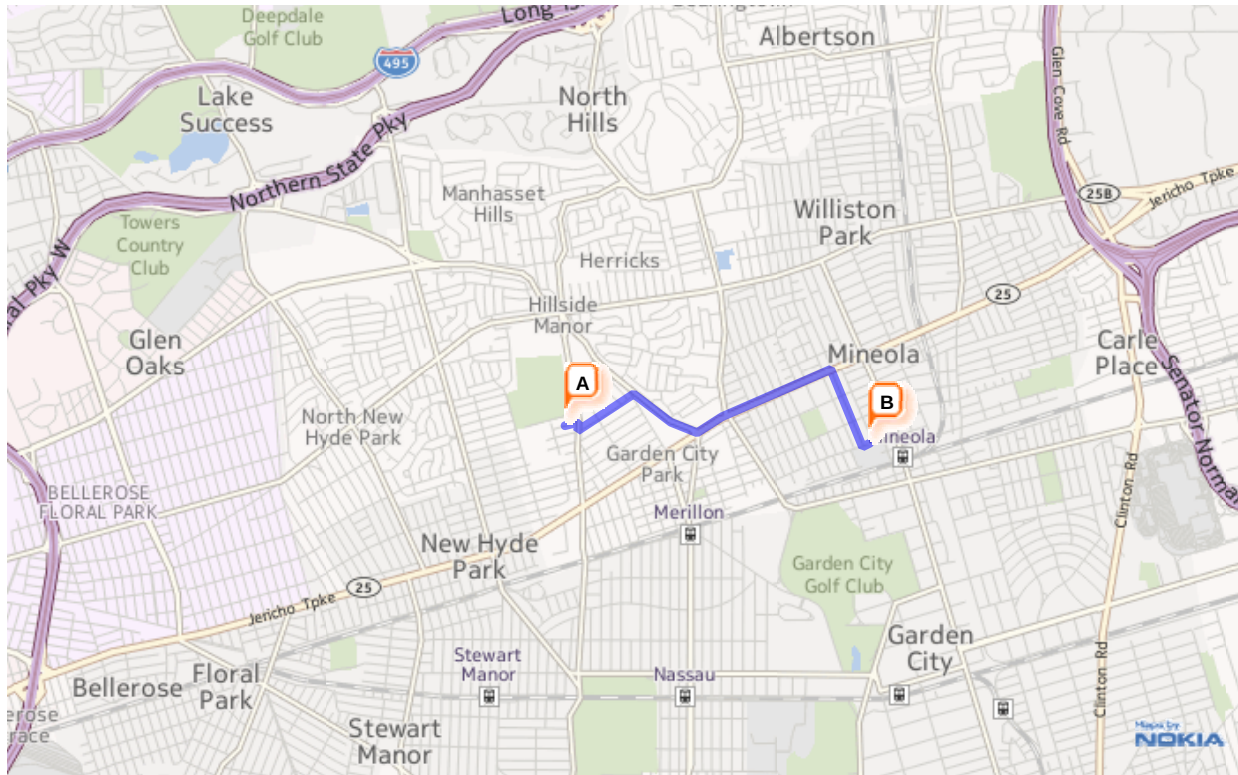


Directions From 1801 Falmouth Avenue to Winthrop University Hospital. 259 First Street, Mineola, NY
516-663-0333

A 1801 Falmouth Ave, New Hyde Park, NY 11040-4028

B 259 1st St, Mineola, NY 11501-3957

Total Distance: **2.04 miles** — Total Time: **6 mins**



A 1801 Falmouth Ave, New Hyde Park, NY 11040-4028

- | | | |
|----|--|----------------|
| 1. | Head toward Denton Ave on Falmouth Ave . | Go for 370 ft. |
| 2. | ➡ Turn right onto Denton Ave . | Go for 255 ft. |
| 3. | ⬅ Turn left onto 7th St . | Go for 0.3 mi. |
| 4. | ➡ Turn right onto Marcus Ave . | Go for 0.4 mi. |
| | ↖ | Go for 0.7 mi. |

5. Bear **left** onto **Jericho Tpke (RT-25)**.

6.  Turn **right** onto **Wellington Rd**.

Go for 0.4 mi.

7.  Turn **left** onto **1st St**.

Go for 180 ft.

8. Your destination on **1st St** is on the **right**. **The trip takes 2.0 mi and 6 mins.**

B 259 1st St, Mineola, NY 11501-3957

When using any driving directions or map, its a good idea to double check and make sure the road still exists, watch out for construction, and follow all traffic safety precautions. This is only to be used as an aid in planning

APPENDIX A

Physical Properties and Toxicological Information

MSDS Number: T4914 ***** Effective Date: 05/26/09 ***** Supersedes: 07/06/06



From: Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08855



24 Hour Emergency Telephone: 908-959-2151
CHEMTREC: 1-800-424-9300

National Response In Canada

CANUTEC: 613-996-6666

Outside U.S. And Canada

Chemtrec: 703-627-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All non-emergency questions should be directed to Customer Service (1-800-592-2637) for assistance

1,1,1-TRICHLOROETHANE

1. Product Identification

Synonyms: Methyl chloroform; trichloroethane; chloroetene

CAS No.: 71-55-6

Molecular Weight: 133.40

Chemical Formula: CH₃CCl₃

Product Codes: 9435, 9437, W509, W510

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Methyl Chloroform	71-55-6	96 + 100%	Yes
Dioxane	123-91-1	< 3%	Yes
1,2-Epoxybutane	106-88-7	< 0.5%	Yes
Actual concentrations proprietary			

3. Hazards Identification

Emergency Overview

WARNING! HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN, AFFECTS CENTRAL NERVOUS SYSTEM, LIVER, KIDNEYS, AND CARDIOVASCULAR SYSTEM, CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT, POSSIBLE CANCER HAZARD. CONTAINS DIOXANE WHICH MAY CAUSE CANCER BASED ON ANIMAL DATA. Risk of cancer depends on duration and level of exposure.

SAF-T-DATA^(tm) Ratings (Provided here for your convenience)

Health Rating: 3 - Severe (Cancer Causing)

Flammability Rating: 1 - Slight

Reactivity Rating: 1 - Slight

Contact Rating: 3 - Severe (Life)

Lab Protective Equip: GOGGLES; LAB COAT; VENT HOOD; PROPER GLOVES

Storage Color Code: Blue (Health)

Potential Health Effects

Inhalation:

Inhalation of vapors will irritate the respiratory tract. Affects the central nervous system. Symptoms include headache, dizziness, weakness, nausea. Higher levels of exposure (> 5000 ppm) can cause irregular heart beat, kidney and liver damage, fall in blood pressure, unconsciousness and even death.

Ingestion:

Harmful if swallowed. Symptoms similar to inhalation will occur along with nausea, vomiting. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. If aspirated, may be rapidly absorbed through the lungs and result in injury to other body systems.

Skin Contact:

Causes mild irritation and redness, especially on prolonged contact. Repeated contact may cause drying or flaking of the skin.

Eye Contact:

Liquids and vapors cause irritation. Symptoms include tearing, redness, stinging, swelling.

Chronic Exposure:

Prolonged or repeated skin contact may cause dermatitis. Chronic exposure may affect the kidneys and liver. Dioxane is a suspected human carcinogen based on animal data.

Aggravation of Pre-existing Conditions:

Personnel with CNS, kidney, liver or heart disease may be more susceptible to the effects of this substance. Use of alcoholic beverages may aggravate symptoms.

4. First Aid Measures

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion:

If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Contact:

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Call a physician.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

5. Fire Fighting Measures

Fire:

Autoignition temperature: 500C (932F)

Flammable limits in air % by volume:

lcl: 7.0; ucl: 16.0

Vapors in containers can explode if subjected to high energy source.

Dioxane has a flash point below 16C (60F).

Explosion:

Can react with strong caustic, such as potash to form a flammable or explosive material. Air/vapor mixtures may explode when heated. Vapors can flow along surfaces to distant ignition source and flash back. Sealed containers may rupture when heated.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Combustion by-products include phosgene and hydrogen chloride gases. Structural firefighters' clothing provides only limited protection to the combustion products of this material.

6. Accidental Release Measures

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! Do not use aluminum, magnesium or zinc metal for storage container. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from any source of heat or ignition. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product. Do not use aluminum equipment or storage containers. Contact with aluminum parts in a pressurized fluid system may cause violent reactions.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

-OSHA Permissible Exposure Limit (PEL):

350 ppm (TWA) for trichloroethane

100 ppm (TWA) skin for dioxane

-ACGIH Threshold Limit Value (TLV):

350 ppm (TWA), 450 ppm (STEL) for trichloroethane

20 ppm (TWA) skin, A3 - Animal Carcinogen for dioxane

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded and engineering controls are not feasible, wear a supplied air, full-facepiece respirator, airlined hood, or full-facepiece self-contained breathing apparatus. Breathing air quality must meet the requirements of the OSHA respiratory protection standard (29CFR 1910.134). This substance has questionable warning properties. Where respirators are required, you must have a written program covering the basic requirements in the OSHA respirator standard. These include training, fit testing, medical approval, cleaning, maintenance, cartridge change schedules, etc. See 29CFR 1910.134 for details.

Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Viton is a recommended material for personal protective equipment.

Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance:
 Clear, colorless liquid.
Odor:
 Mild chloroform-like odor.
Solubility:
 4,400 ppm in water @ 20C (68F)
Specific Gravity:
 1.34 @ 20C/74C
pH:
 No information found.
% Volatiles by volume @ 21C (70F):
 100
Boiling Point:
 74C (165F)
Melting Point:
 -32C (-26F)
Vapor Density (Air=1):
 4.63
Vapor Pressure (mm Hg):
 100 @ 20C (68F)
Evaporation Rate (BuAc=1):
 12.8

10. Stability and Reactivity

Stability:
 Requires inhibitor content to prevent corrosion of metals. Slowly hydrolyzes in water to form hydrochloric and acetic acid.
Hazardous Decomposition Products:
 May produce carbon monoxide, carbon dioxide, hydrogen chloride and phosgene when heated to decomposition. Carbon dioxide and carbon monoxide may form when heated to decomposition.
Hazardous Polymerization:
 Hazardous polymerization can occur in contact with aluminum trichloride.
Incompatibilities:
 Open flames, welding arcs, nitrogen tetroxide, oxygen, liquid oxygen, sodium, sodium hydroxide, and sodium-potassium alloy, strong alkalis, oxidizers, aluminum and other reactive metals.
Conditions to Avoid:
 Insufficient inhibitor, incompatibles, heat, flame and ignition sources

11. Toxicological Information

Oral rat LD50: 9600 mg/kg; inhalation rat LC50: 18000 ppm/4H; investigated as a mutagen, tumorigen, reproductive effector; irritation eye rabbit, Standard Draize, 2mg/24H severe.

-----\Cancer Lists\-----			
Ingredient	---NTP Carcinogen--- Known	Anticipated	IARC Category
Methyl Chloroform (71-55-6)	No	No	3
Dioxane (123-91-1)	No	Yes	2B
1,2-Epoxybutane (106-88-7)	No	No	2B

12. Ecological Information

Environmental Fate:
 When released into the soil, this material is not expected to biodegrade. When released into the soil, this material is expected to leach into groundwater. When released into the soil, this material is expected to quickly evaporate. When released to water, this material is expected to quickly evaporate. This material is not expected to significantly bioaccumulate. When released into the air, this material may be removed from the atmosphere to a moderate extent by wet deposition. When released to the atmosphere, this material has an average global half-life of 6.0 - 6.9 years. When released into the air, this material may adversely affect the ozone layer.
Environmental Toxicity:
 This material is expected to be slightly toxic to aquatic life. The LC50/96-hour values for fish are between 10 and 100 mg/l.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Domestic (Land, D.O.T.)

Proper Shipping Name: 1,1,1-TRICHLOROETHANE
 Hazard Class: 6.1
 UN/NA: UN2831
 Packing Group: III
 Information reported for product/size: 20L

15. Regulatory Information

-----\Chemical Inventory Status - Part 1\-----				
Ingredient	TSCA	EC	Japan	Australia
Methyl Chloroform (71-55-6)	Yes	Yes	Yes	Yes
Dioxane (123-91-1)	Yes	Yes	Yes	Yes
1,2-Epoxybutane (106-88-7)	Yes	Yes	Yes	Yes

-----\Chemical Inventory Status - Part 2\-----				
Ingredient	--Canada--			
	Korea	DSL	NDSL	Phil.
Methyl Chloroform (71-55-6)	Yes	Yes	No	Yes
Dioxane (123-91-1)	Yes	Yes	No	Yes
1,2-Epoxybutane (106-88-7)	Yes	Yes	No	Yes

-----\Federal, State & International Regulations - Part 1\-----				
Ingredient	-SARA 302-		-SARA 311-	
	HQ	TPQ	List	Chemical Catg.
Methyl Chloroform (71-55-6)	No	No	Yes	No
Dioxane (123-91-1)	No	No	Yes	No
1,2-Epoxybutane (106-88-7)	No	No	Yes	No

-----\Federal, State & International Regulations - Part 2\-----			
Ingredient	-RCRA-		-TSCA-
	CERCLA	261.33	8 (d)
Methyl Chloroform (71-55-6)	1000	U226	No
Dioxane (123-91-1)	100	U108	No
1,2-Epoxybutane (106-88-7)	100	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
 SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
 Reactivity: No (Mixture / Liquid)

WARNING:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

Australian Hazchem Code: 2[Z]

Poison Schedule: S6

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Ratings: Health: 2 Flammability: 1 Reactivity: 0

Label Hazard Warning:

WARNING! HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. AFFECTS CENTRAL NERVOUS SYSTEM, LIVER, KIDNEYS, AND CARDIOVASCULAR SYSTEM. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. POSSIBLE CANCER HAZARD. CONTAINS DIOXANE WHICH MAY CAUSE CANCER BASED ON ANIMAL DATA. Risk of cancer depends on duration and level of exposure.

Label Precautions:

Avoid breathing vapor.
 Keep container closed.
 Use only with adequate ventilation.
 Wash thoroughly after handling.
 Avoid contact with eyes, skin and clothing.

Label First Aid:

If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. In all cases call a physician.

Product Use:

Laboratory Reagent.

Revision Information:

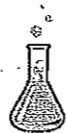
MSDS Section(s) changed since last revision of document include: 3.

Disclaimer:

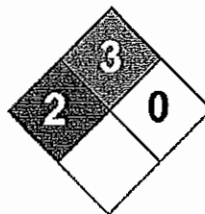
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Prepared by: Environmental Health & Safety
Phone Number: (314) 654-1600 (U.S.A.)



Science Lab.com
Chemicals & Laboratory Equipment



Health	2
Env	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet 1,1-Dichloroethane MSDS

Section 1: Chemical Product and Company Identification

Product Name: 1,1-Dichloroethane

Catalog Codes: SLD3280

CAS#: 75-34-3

RTECS: KI0175000

TSCA: TSCA 8(b) inventory: 1,1-Dichloroethane

CI#: Not available.

Synonym:

Chemical Name: 1,1-Dichloroethane

Chemical Formula: C₂H₄Cl₂

Contact Information:

Sciencelab.com, Inc.

14025 Smith Rd.

Houston, Texas 77396

US Sales: 1-800-901-7247

International Sales: 1-281-441-4400

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-627-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name

CAS #

% by Weight

{1,1-}Dichloroethane

75-34-3

100

Toxicological Data on Ingredients: 1,1-Dichloroethane: ORAL (LD50): Acute: 725 mg/kg [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects: Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Classified 2 (Reasonably anticipated.) by NTP. A4 (Not classifiable for human or animal.) by ACGIH. **MUTAGENIC EFFECTS:** Not available. **TERATOGENIC EFFECTS:** Not available. **DEVELOPMENTAL TOXICITY:** Classified Development toxin [POSSIBLE]. The substance is toxic to kidneys, lungs, liver, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin Contact:

After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:

Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 458°C (856.4°F)

Flash Points: CLOSED CUP: -17°C (1.4°F). OPEN CUP: -6°C (21.2°F).

Flammable Limits: LOWER: 5.6% UPPER: 11.4%

Products of Combustion: These products are carbon oxides (CO, CO₂), halogenated compounds.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

Flammable liquid. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:

Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage**Precautions:**

Keep locked up Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes Keep away from incompatibles such as oxidizing agents, alkalis.

Storage:

Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).

Section 8: Exposure Controls/Personal Protection**Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:

Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

TWA: 100 STEL: 250 (ppm) from ACGIH (TLV) [1999] TWA: 100 (ppm) from OSHA (PEL) Australia: TWA: 200 (ppm) Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid. (Oily liquid.)

Odor: Chloroform like odor (Slight.)

Taste: Not available.

Molecular Weight: 98.96 g/mole

Color: Colorless.

pH (1% soln/water): Not available.

Boiling Point: 57.3°C (135.1°F)

Melting Point: -96.9°C (-142.4°F)

Critical Temperature: 261.5°C (502.7°F)

Specific Gravity: 1.175 (Water = 1)

Vapor Pressure: 180 mm of Hg (@ 20°C)

Vapor Density: 3.44 (Air = 1)

Volatility: Not available.

Odor Threshold: 120 ppm

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties:

Partially dispersed in diethyl ether. See solubility in water, diethyl ether.

Solubility: Partially soluble in diethyl ether.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents, alkalis.

Corrosivity: Corrosive in presence of aluminum.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Will attack some forms of plastic and rubber

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 725 mg/kg [Rat].

Chronic Effects on Humans:

CARCINOGENIC EFFECTS: Classified 2 (Reasonably anticipated,) by NTP. A4 (Not classifiable for human or animal.) by ACGIH. DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE]. The substance is toxic to kidneys, lungs, liver, central nervous system (CNS).

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification:

CLASS 3: Combustible liquid with a flash point greater than 37.8C (100F). Marine pollutant

Identification: : 1,1-Dichloroethane : UN2362 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:

California prop. 65 (no significant risk level): 1,1-Dichloroethane California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: 1,1-Dichloroethane Rhode Island RTK hazardous substances: 1,1-Dichloroethane Pennsylvania RTK: 1,1-Dichloroethane Florida: 1,1-Dichloroethane Minnesota: 1,1-Dichloroethane Massachusetts RTK: 1,1-Dichloroethane New Jersey: 1,1-Dichloroethane New Jersey spill list: 1,1-Dichloroethane TSCA 8(b) inventory: 1,1-Dichloroethane TSCA 8(a) PAIR: 1,1-Dichloroethane TSCA 8(d) H and S data reporting: 1,1-Dichloroethane: June 1999 TSCA 12(b) one time export: 1,1-Dichloroethane SARA 313 toxic chemical notification and release reporting: 1,1-Dichloroethane: 1% CERCLA: Hazardous substances.: 1,1-Dichloroethane: 1000 lbs. (453.6 kg)

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):

CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):

R11- Highly flammable. R22- Harmful if swallowed. R37/38- Irritating to respiratory system and skin. R41- Risk of serious damage to eyes. R52- Harmful to aquatic organisms.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/09/2005 05:07 PM

Last Updated: 11/06/2008 12:00 PM

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Tel : 613-226-4228
Tel : 418-834-7447

Fax : 514-956-7504
Fax : 613-226-4229
Fax : 418-834-3774

1,1-DICHLOROETHYLENE- MATERIAL SAFETY DATA SHEET

TABLE OF CONTENTS:

1. Chemical Product and Company Identification
2. Composition, Information on Ingredients
3. Hazards Identification
4. First Aid Measures
5. Fire Fighting Measures
6. Accidental Release Measures
7. Handling and Storage
8. Exposure Controls, Personal Protection
9. Physical and Chemical Properties
10. Stability and Reactivity
11. Toxicological Information
12. Ecological Information
13. Disposal Considerations
14. Transport Information
15. Regulatory Information
16. Other Information

24 Hour EMERGENCY CONTACT

U.S- CHEMTREC 1-800-
424-9300

CANADA- CANUTEC 613-
996-6666

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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of Contents](#)

Matheson Tri-Gas, Inc.

*The telephone numbers listed below are
emergency numbers, please contact your local
branch for routine inquiries.*

USA

959 Route 46 East
Parsippany, New Jersey
07054-0624 USA
Phone: 973-257-1100

CANADA

530 Watson Street
Whitby, Ontario
L1N 5R9 Canada
Phone: 905-668-3570

SUBSTANCE: 1,1-DICHLOROETHYLENE

SYMBOL: C₂H₂Cl₂

TRADE NAMES/SYNONYMS:

1,1-DICHLOROETHENE; 1,1-DICHLOROETHYLENE; VDC; VINYLIDENE CHLORIDE
MONOMER; VINYLIDENE DICHLORIDE; VINYLIDENE CHLORIDE, INHIBITED; RCRA U078;
UN 1303; C₂H₂CL₂; MAT25070; RTECS KV9275000

CHEMICAL FAMILY: halogens

CREATION DATE: Jan 24 1989

REVISION DATE: Mar 16 1999

2. COMPOSITION, INFORMATION ON INGREDIENTS

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COMPONENT: 1,1-DICHLOROETHYLENE

CAS NUMBER: 75-35-4

EC NUMBER (EINECS): 200-864-0

PERCENTAGE: >99.9

COMPONENT: 4-METHOXYPHENOL

CAS NUMBER: 150-76-5

EC NUMBER (EINECS): 205-769-8

PERCENTAGE: 0.02000

3. HAZARDS IDENTIFICATION

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NFPA RATINGS (SCALE 0-4): HEALTH=2 FIRE=4 REACTIVITY=2

WHMIS CLASSIFICATION: BD2

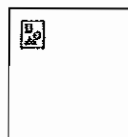
EC CLASSIFICATION (ASSIGNED):

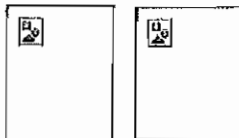
F+ Extremely Flammable

Xn Harmful

R 12-20-40

EC Classification may be inconsistent with independently-researched data.



**EMERGENCY OVERVIEW:**

Color: colorless

Physical Form: volatile liquid

Odor: faint odor, sweet odor

Major Health Hazards: harmful if swallowed, respiratory tract irritation, skin irritation, eye irritation, central nervous system depression

Physical Hazards: Flammable liquid and vapor. Vapor may cause flash fire. May polymerize. Containers may rupture or explode. May form peroxides during prolonged storage.

POTENTIAL HEALTH EFFECTS:**INHALATION:**

Short Term Exposure: irritation, symptoms of drunkenness, lung congestion, liver damage, convulsions

Long Term Exposure: kidney damage, tumors

SKIN CONTACT:

Short Term Exposure: irritation (possibly severe)

Long Term Exposure: same as effects reported in short term exposure

EYE CONTACT:

Short Term Exposure: irritation (possibly severe), eye damage

Long Term Exposure: same as effects reported in short term exposure

INGESTION:

Short Term Exposure: same as effects reported in short term exposure

Long Term Exposure: same as effects reported in short term exposure

CARCINOGEN STATUS:

OSHA: N

NTP: N

IARC: N

4. FIRST AID MEASURES

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INHALATION:

Remove from exposure immediately. Use a bag valve mask or similar device to perform artificial respiration (rescue breathing) if needed. Get medical attention.

SKIN CONTACT:

Remove contaminated clothing, jewelry, and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes). Get medical attention, if needed.

EYE CONTACT:

Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately.

INGESTION:

If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical attention, if needed.

5. FIRE FIGHTING MEASURES

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FIRE AND EXPLOSION HAZARDS:

Severe fire hazard. The vapor is heavier than air. Vapors or gases may ignite at distant ignition sources and flash back. Vapor/air mixtures are explosive above flash point. Containers may rupture or explode if exposed to heat.

EXTINGUISHING MEDIA:

alcohol resistant foam, carbon dioxide, regular dry chemical, water

Large fires: Use alcohol-resistant foam or flood with fine water spray.

FIRE FIGHTING:

Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Stay away from the ends of tanks. For fires in cargo or storage area: Cool containers with water from unmanned hose holder or monitor nozzles until well after fire is out. If this is impossible then take the following precautions: Keep unnecessary people away, isolate hazard area and deny entry. Let the fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. For tank, rail car or tank truck: Evacuation radius: 800 meters (1/2 mile). Do not attempt to extinguish fire unless flow of material can be stopped first. Flood with fine water spray. Do not scatter spilled material with high-pressure water streams. Cool containers with water spray until well after the fire is out. Apply water from a protected location or from a safe distance. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Water may be ineffective.

FLASH POINT:

14 F (-10 C)

LOWER FLAMMABLE LIMIT:

5.6%

UPPER FLAMMABLE LIMIT:

11.4%

AUTOIGNITION:

855 F (457 C)

FLAMMABILITY CLASS (OSHA):

1A

6. ACCIDENTAL RELEASE MEASURES

[Up to Table of Contents](#)

AIR RELEASE:

Reduce vapors with water spray. Stay upwind and keep out of low areas.

SOIL RELEASE:

Dig holding area such as lagoon, pond or pit for containment. Dike for later disposal. Absorb with sand or other non-combustible material.

WATER RELEASE:

Collect with absorbent into suitable container. Collect spilled material using mechanical equipment.

OCCUPATIONAL RELEASE:

Avoid heat, flames, sparks and other sources of ignition. Remove sources of ignition. Stop leak if possible without personal risk. Reduce vapors with water spray. Small spills: Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. Large spills: Dike for later disposal. Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind and keep out of low areas. Reportable Quantity (RQ): Notify Local Emergency Planning Committee and State Emergency Response Commission for release greater than or equal to RQ (U.S. SARA Section 304). If release occurs in the U.S. and is reportable under CERCLA Section 103, notify the National Response Center at (800)424-8802 (USA) or (202)426-2675 (USA).

7. HANDLING AND STORAGE

[Up to Table of Contents](#)

Store and handle in accordance with all current regulations and standards. Subject to storage regulations; U.S. OSHA 29 CFR 1910.106. Grounding and bonding required. Store in a cool, dry place. Store in a well-ventilated area. Keep in the dark. Keep separated from incompatible substances. Store outside or in a detached building. Store with flammable liquids. Store in a tightly closed container. Containers must have overpressure release device. Avoid heat, flames, sparks and other sources of ignition. Keep separated from incompatible substances. Monitor inhibitor content. Avoid exposure to low temperatures or freezing. May form explosive peroxides. Store in a tightly closed container. Avoid contact with light. Store in a cool, dry place. Monitor inhibitor content. Do not evaporate or distill to dryness. Keep separated from incompatible substances.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

[Up to Table of Contents](#)

EXPOSURE LIMITS:**1,1-DICHLOROETHYLENE:**

1 ppm (4 mg/m³) OSHA TWA (vacated by 68 FR 35338, June 30, 1993)

5 ppm (20 mg/m³) ACGIH TWA

20 ppm (80 mg/m³) ACGIH STEL

VENTILATION: Provide local exhaust ventilation system. Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Ensure compliance with applicable exposure limits.

EYE PROTECTION: Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

CLOTHING: Wear appropriate chemical resistant clothing.

GLOVES: Wear appropriate chemical resistant gloves.

RESPIRATOR: The following respirators and maximum use concentrations are drawn from

NIOSH and/or OSHA.

At any detectable concentration -

Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.

Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply.

Escape -

Any air-purifying respirator with a full facepiece and an organic vapor canister.

Any appropriate escape-type, self-contained breathing apparatus.

For Unknown Concentrations or Immediately Dangerous to Life or Health -

Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply.

Any self-contained breathing apparatus with a full facepiece.

9. PHYSICAL AND CHEMICAL PROPERTIES

[Up to Table of Contents](#)

PHYSICAL STATE: liquid

COLOR: colorless

PHYSICAL FORM: volatile liquid

ODOR: faint odor, sweet odor

MOLECULAR WEIGHT: 98.64

MOLECULAR FORMULA: C₂H₂Cl₂

BOILING POINT: 86-90 F (30-32 C)

FREEZING POINT: -188 F (-122 C)

VAPOR PRESSURE: 400 mmHg @ 14.8 C

VAPOR DENSITY (air=1): 3.4

SPECIFIC GRAVITY (water=1): 1.213

WATER SOLUBILITY: 0.04% @ 20 C

PH: Not available

VOLATILITY: Not available

ODOR THRESHOLD: 500 ppm

EVAPORATION RATE: Not available

COEFFICIENT OF WATER/OIL DISTRIBUTION: Not available

SOLVENT SOLUBILITY:

Soluble: organic solvents

10. STABILITY AND REACTIVITY

[Up to Table of Contents](#)

REACTIVITY:

May form explosive peroxides. Avoid contact with temperatures above -40 C. Avoid contact with heat, air, light or moisture and monitor inhibitor content. May polymerize. Closed containers may rupture violently.

CONDITIONS TO AVOID:

Avoid heat, flames, sparks and other sources of ignition. Containers may rupture or explode if exposed to heat.

INCOMPATIBILITIES:

metals, acids, oxidizing materials

HAZARDOUS DECOMPOSITION:

Thermal decomposition products: phosgene, halogenated compounds, oxides of carbon

POLYMERIZATION:

May polymerize. Avoid contact with heat or light and monitor inhibitor content.

11. TOXICOLOGICAL INFORMATION

[Up to Table of Contents](#)

VINYLDENE CHLORIDE:

TOXICITY DATA:

6350 ppm/4 hour(s) inhalation-rat LC50; 200 mg/kg oral-rat LD50

CARCINOGEN STATUS:

IARC: Human Inadequate Evidence, Animal Limited Evidence, Group 3; ACGIH: A3 -Animal Carcinogen

LOCAL EFFECTS:

Irritant: inhalation, skin, eye

ACUTE TOXICITY LEVEL:

Toxic: ingestion

Slightly Toxic: inhalation

TARGET ORGANS:

central nervous system, liver

TUMORIGENIC DATA:

Available.

MUTAGENIC DATA:

Available.

REPRODUCTIVE EFFECTS DATA:

Available.

12. ECOLOGICAL INFORMATION

[Up to Table of Contents](#)

ECOTOXICITY DATA:

FISH TOXICITY:

74000 ug/L 96 hour(s) LC50 (Mortality) Bluegill (*Lepomis macrochirus*)

INVERTEBRATE TOXICITY:

224000 ug/L 96 hour(s) LC50 (Mortality) Opossum shrimp (*Mysidopsis bahia*)

ALGAL TOXICITY:

>712000 ug/L 96 hour(s) EC50 (Photosynthesis) Diatom (*Skeletonema costatum*)

ENVIRONMENTAL SUMMARY:

Moderately toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

[Up to Table of Contents](#)

Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): U078. Hazardous Waste Number(s): D029. Dispose of in accordance with U.S. EPA 40 CFR 262 for concentrations at or above the Regulatory level. Regulatory level- 0.7 mg/L. Dispose in accordance with all applicable regulations.

14. TRANSPORT INFORMATION

[Up to Table of Contents](#)

U.S. DOT 49 CFR 172.101. SHIPPING NAME-UN NUMBER; HAZARD CLASS; PACKING GROUP; LABEL:

Vinylidene chloride, inhibited-UN1303; 3; I; Flammable liquid



15. REGULATORY INFORMATION

[Up to Table of Contents](#)

U.S. REGULATIONS:

TSCA INVENTORY STATUS: Y

TSCA 12(b) EXPORT NOTIFICATION: Not listed.

CERCLA SECTION 103 (40CFR302.4): Y

1,1-Dichloroethylene: 100 LBS RQ

SARA SECTION 302 (40CFR355.30): N

SARA SECTION 304 (40CFR355.40): N

SARA SECTION 313 (40CFR372.65): Y

1,1-Dichloroethylene

SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CFR370.21):

ACUTE: Y

CHRONIC: Y

FIRE: Y

REACTIVE: Y

SUDDEN RELEASE: Y

OSHA PROCESS SAFETY (29CFR1910.119): N

STATE REGULATIONS:

California Proposition 65: N

EUROPEAN REGULATIONS:

EC NUMBER (EINECS): 200-864-0

EC RISK AND SAFETY PHRASES:

R 12	Extremely flammable.
R 20	Harmful by inhalation.
R 40	Possible risks of irreversible effects.
S 2	Keep out of reach of children.
S 7	Keep container tightly closed.
S 16	Keep away from sources of ignition - No smoking.
S 29	Do not empty into drains.

CONCENTRATION LIMITS:

C_≥12.5% Xn R 20-40

1%≤C<12.5% Xn R 40

16. OTHER INFORMATION

[Up to Table of Contents](#)

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Linde Gas



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www.us.lindegas.com

MATERIAL
SAFETY
DATA SHEET

No. 155

PRODUCT NAME Vinyl Chloride	CAS # 75-01-4
TRADE NAME AND SYNONYMS Vinyl chloride, inhibited (D.O.T.)	DOT I.D. No.: UN 1086; RQ 1.0 (0.454)
CHEMICAL NAME AND SYNONYMS Vinyl Chloride, Chloroethylene; Chloroethene	DOT Hazard Class: Division 2.1
ISSUE DATES AND REVISIONS Revised January 1995	Formula C_2H_3Cl or CH_2CHCl
	Chemical Family: Halogenated Alkene

HEALTH HAZARD DATA

TIMEWEIGHTED AVERAGE EXPOSURE LIMIT

TWA = 5 molar ppm with an A1 Carcinogen Rating (ACGIH 1994-1995). AI is a confirmed human carcinogen. OSHA 1993. 1910.1017, 8 Hr. TWA = 1 Molar PPM (Continued on Page 4)

SYMPTOMS OF EXPOSURE

Inhaling high concentrations causes mild symptoms of drowsiness, blurred vision, staggering gait and tingling and numbness in the extremities.

Liquid vinyl chloride may cause severe irritation or burns on skin or eye contact.

TOXICOLOGICAL PROPERTIES

Several workers who handled and used vinyl chloride developed a rare form of liver cancer.

IARC, NTP and OSHA all list vinyl chloride as a carcinogen.

Persons in ill health where such illness would be aggravated by exposure to vinyl chloride should not be allowed to work with or handle this product.

RECOMMENDED FIRST AID TREATMENT

PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE TO VINYL CHLORIDE. RESCUE PERSONNEL SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS AND BE COGNIZANT OF EXTREME FIRE AND EXPLOSION HAZARD.

Inhalation: Conscious persons should be assisted to an uncontaminated area and inhale fresh air. Quick removal from the contaminated area is most important. Unconscious persons should be moved to an uncontaminated area, given assisted respiration and supplemental oxygen. Further treatment should be symptomatic and supportive.

(Continued on Page 4)

Information contained in this material safety data sheet is offered without charge for use by technically qualified personnel at their discretion and risk. All statements, technical information and recommendations contained herein are based on tests and data which we believe to be reliable, but the accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto. This information is not intended as a license to operate under or a recommendation to practice or infringe any patent of this Company or others covering any process, composition of matter or use. Since the Company shall have no control of the use of the product described herein, the Company assumes no liability for loss or damage incurred from the proper or improper use of such product.

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES

Vinyl chloride polymerizes on exposure to sunlight, heat or in the presence of oxygen or air. The addition of phenol or hydroquinone inhibits the polymerization. It is flammable in air.

PHYSICAL DATA

BOILING POINT 7.3°F (-13.7°C)	LIQUID DENSITY AT BOILING POINT 60.6 lb/ft ³ (971 kg/m ³)
VAPOR PRESSURE @ 70°F (21.1°C) = 52 psia (360 kPa)	GAS DENSITY AT 70°F, 1 atm @ 77°F (25°C) = .164 lb/ft ³ (2.63 kg/m ³)
SOLUBILITY IN WATER Slightly Soluble	FREEZING POINT -244.8°F (-153.8°C)
EVAPORATION RATE N/A (Gas)	SPECIFIC GRAVITY (AIR=1) @ 77°F (25°C) = 2.22
APPEARANCE AND ODOR Colorless gas with a pleasant, sweet odor	

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) -108°F (CC)	AUTO IGNITION TEMPERATURE 882°F (472°C)	FLAMMABLE LIMITS % BY VOLUME (See Page 4) LEL 3.6 UEL 33
EXTINGUISHING MEDIA Water, dry chemical, carbon dioxide		ELECTRICAL CLASSIFICATION Class 1, Group Not Specified
SPECIAL FIRE FIGHTING PROCEDURES Attempt to stop the flow of vinyl chloride. Use water spray to cool surrounding containers.		
UNUSUAL FIRE AND EXPLOSION HAZARDS Vinyl chloride vapors are heavier than air and may travel a considerable distance to a source of ignition. Should fire be extinguished and flow of gas continue, increase ventilation to prevent formation of flammable mixtures in low areas or pockets.		

REACTIVITY DATA

STABILITY Unstable		CONDITIONS TO AVOID None
Stable	X	
INCOMPATIBILITY (Materials to avoid) Oxidizers		
HAZARDOUS DECOMPOSITION PRODUCTS None		
HAZARDOUS POLYMERIZATION May Occur	X	CONDITIONS TO AVOID It is inhibited with phenol or hydroquinone to prevent polymerization.
Will Not Occur		

SPILL OR LEAK PROCEDURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Evacuate all personnel from affected area. Use appropriate protective equipment. If leak is in user's equipment, be certain to purge piping with an inert gas prior to attempting repairs. If leak is in container or container valve, contact your closest supplier location or call the emergency telephone number listed herein.

WASTE DISPOSAL METHOD

Do not attempt to dispose of waste or unused quantities. Return in the shipping container properly labeled, with any valve outlet plugs or caps secured and valve protection cap in place to your supplier. For emergency disposal assistance, contact your closest supplier location or call the emergency telephone number listed herein.

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Positive pressure air line with mask or self-contained breathing apparatus should be available for emergency use.		
VENTILATION Hood with forced ventilation	LOCAL EXHAUST To prevent accumulation above the TWA	SPECIAL N/A
	MECHANICAL (Gen.) In accordance with electrical codes	OTHER N/A
PROTECTIVE GLOVES Most materials except natural rubber		
EYE PROTECTION Safety goggles or glasses		
OTHER PROTECTIVE EQUIPMENT Safety shoes, safety shower, eyewash "fountain," transparent face shield		

SPECIAL PRECAUTIONS*

SPECIAL LABELING INFORMATION DOT Shipping Name: Vinyl chloride, inhibited DOT Shipping Label: Flammable Gas			I.D. No.: DOT Hazard Class:	UN 1086; RQ 1.0(0.454) Division 2.1
SPECIAL HANDLING RECOMMENDATIONS Use only in well-ventilated areas. Valve protection caps must remain in place unless container is secured with valve outlet piped to use point. Do not drag, slide or roll cylinders. Use a suitable hand truck for cylinder movement. Use a pressure reducing regulator when connecting cylinder to lower pressure (<150 psig) piping or systems. Do not heat cylinder by any means to increase the discharge rate of product from the cylinder. Use a check valve or trap in the discharge line to prevent hazardous back flow into the cylinder. For additional handling recommendations, consult Compressed Gas Association's Pamphlets I P-1 and P-10.				
SPECIAL STORAGE RECOMMENDATIONS Protect cylinders from physical damage. Store in cool, dry, well-ventilated area of noncombustible construction away from heavily trafficked areas and emergency exits. Do not allow the temperature where cylinders are stored to exceed 125F (52C). Cylinders should be stored upright and firmly secured to prevent falling or being knocked over. Full and empty cylinders should be segregated. Use a "first in - first out" inventory system to prevent full cylinders being stored for excessive periods of time. Post "No Smoking or Open Flames" signs in the storage or use area. There should be no sources of ignition in the storage or use area. For additional storage recommendations, consult Compressed Gas Association's Pamphlet P-1 and P-10.				
SPECIAL PACKAGING RECOMMENDATIONS Most metals except copper and its alloys may be used with vinyl chloride. Copper and its alloys could form explosive acetylides by reacting with the acetylene impurity in the product. Teflon® is the preferred gasketing material.				
OTHER RECOMMENDATIONS OR PRECAUTIONS Earth-ground and bond all lines and equipment associated with the vinyl chloride system. Electrical equipment should be non-sparking or explosion proof. Compressed gas cylinders should not be refilled except by qualified producers of compressed gases. Shipment of a compressed gas cylinder which has not been filled by the owner or with his (written) consent is a violation of federal Law (49CFR).				

(Continued on Page 4)

*Various Government Agencies (i.e. Department of Transportation, Occupational Safety and Health Administration, Food and Drug Administration and others) may have specific regulations concerning the transportation, handling, storage or use of this product which will not be reflected in this data sheet. The customer should review these regulations to ensure that he is in full compliance.

HEALTH HAZARD DATA

TWA DATA: (continued)

(<5 Molar PPM averaged over any period not exceeding 15 minutes) with the prohibition of any personal direct contact with vinyl chloride liquid and it is classified as a cancer suspect agent.

RECOMMENDED FIRST AID TREATMENT: (Continued)

Eye Contact: PERSONS WITH POTENTIAL EXPOSURE TO VINYL CHLORIDE SHOULD NOT WEAR CONTACT LENSES.

Flush contaminated eye(s) with copious quantities of water. Part eyelids with fingers to assure complete flushing. Continue for minimum of 15 minutes. An eye specialist should be summoned promptly.

Skin Contact: Flush affected areas with copious quantities of water. Remove affected clothing as rapidly as possible. A physician should see the patient. Follow the water flush with a soap and water wash.

SPECIAL PRECAUTIONS

OTHER RECOMMENDATIONS OR PRECAUTIONS: (Continued)

Always secure cylinders in an upright position before transporting them. Never transport cylinders in trunks OT vehicles, enclosed vans, truck cabs or in passenger compartments. Transport cylinders secured in open flatbed or in open pick-up type vehicles.

Vinyl chloride is a toxic chemical and it is subject to the reporting requirements of SARA, Title III, Section 313.

Material Safety Data Sheet

Ethyl Chloride

Airgas

Section 1. Chemical product and company identification

Product name : Ethyl Chloride
Supplier : AIRGAS INC., on behalf of its subsidiaries
259 North Radnor-Chester Road
Suite 100
Radnor, PA 19087-5283
1-610-687-5253
Product use : Synthetic/Analytical chemistry.
Synonym : Ethane, chloro-; Aethylis; Aethylis chloridum; Anodynon; Chelen; Chlorene; Chloretethyl;
Chloridum; Chloroethane; Chloryl; Chloryl anesthetic; Cloretillo; Dublofix; Ether
chloratus; Ether hydrochloric; Ether muriatic; Hydrochloric ether; Kelene;
Monochloretthane; Monochloroethane; Muriatic ether; Narcotile; C2H5Cl; Aethylchlorid;
Chloorethaan; Chloroethan; Chlorure D'ethyle; Cloroetano; Cloruro di etile; Etylu
chlorek; NCI-C06224; UN 1037; Aethylisaethylis chloridum; Chloryle anesthetic; 1-
Chloroethane
MSDS # : 001023
Date of Preparation/Revision : 4/26/2010.
In case of emergency : 1-866-734-3438

Section 2. Hazards identification

Physical state : Gas. [COLORLESS LIQUID OR GAS WITH A PUNGENT, ETHER-LIKE ODOR]
Emergency overview : WARNING!
FLAMMABLE GAS.
MAY CAUSE FLASH FIRE.
MAY CAUSE EYE AND SKIN IRRITATION.
MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA.
CONTENTS UNDER PRESSURE.
Keep away from heat, sparks and flame. Do not puncture or incinerate container. Avoid
contact with eyes, skin and clothing. May cause target organ damage, based on animal
data. Use only with adequate ventilation. Wash thoroughly after handling. Keep
container closed.
Contact with rapidly expanding gases can cause frostbite.
Target organs : May cause damage to the following organs: kidneys, liver, mucous membranes,
cardiovascular system, upper respiratory tract, skin, eyes, central nervous system
(CNS).
Routes of entry : Inhalation Dermal Eyes
Potential acute health effects
Eyes : Moderately irritating to eyes. Contact with rapidly expanding gas may cause burns or
frostbite.
Skin : Moderately irritating to the skin. Contact with rapidly expanding gas may cause burns or
frostbite.
Inhalation : Acts as a simple asphyxiant.
Ingestion : Ingestion is not a normal route of exposure for gases
Potential chronic health effects : **CARCINOGENIC EFFECTS:** Classified + (Proven.) by NIOSH. Classified A3 (Proven for
animals.) by ACGIH, 3 (Possible for humans.) by European Union. 3 (Not classifiable
for humans.) by IARC.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
Medical conditions aggravated by over-exposure : Pre-existing disorders involving any target organs mentioned in this MSDS as being at
risk may be aggravated by over-exposure to this product.

Ethyl Chloride

See toxicological information (section 11)

Section 3. Composition, Information on Ingredients

Name	CAS number	% Volume	Exposure limits
Ethyl Chloride	75-00-3	100	ACGIH TLV (United States, 1/2009). Absorbed through skin. TWA: 264 mg/m ³ 8 hour(s). TWA: 100 ppm 8 hour(s). OSHA PEL (United States, 11/2006). TWA: 2600 mg/m ³ 8 hour(s). TWA: 1000 ppm 8 hour(s). OSHA PEL 1989 (United States, 3/1989). TWA: 2600 mg/m ³ 8 hour(s). TWA: 1000 ppm 8 hour(s).

Section 4. First aid measures

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Eye contact	: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Skin contact	: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. To avoid the risk of static discharges and gas ignition, soak contaminated clothing thoroughly with water before removing it. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
Frostbite	: Try to warm up the frozen tissues and seek medical attention.
Inhalation	: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
Ingestion	: As this product is a gas, refer to the inhalation section.

Section 5. Fire-fighting measures

Flammability of the product	: Flammable.
Auto-ignition temperature	: 518.75°C (965.8°F)
Flash point	: Closed cup: -50.15°C (-58.3°F).
Flammable limits	: Lower: 3.8% Upper: 15.4%
Products of combustion	: Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds carbonyl halides
Fire hazards in the presence of various substances	: Extremely flammable in the presence of the following materials or conditions: open flames, sparks and static discharge, heat and oxidizing materials.
Fire-fighting media and instructions	: In case of fire, use water spray (fog), foam or dry chemical. In case of fire, allow gas to burn if flow cannot be shut off immediately. Apply water from a safe distance to cool container and protect surrounding area. If involved in fire, shut off flow immediately if it can be done without risk. Contains gas under pressure. Flammable gas. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Ethyl Chloride

Section 6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Shut off gas supply if this can be done safely. Isolate area until gas has dispersed.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : Immediately contact emergency personnel. Stop leak if without risk. Use spark-proof tools and explosion-proof equipment. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Section 7. Handling and storage

- Handling** : Use only with adequate ventilation. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Wash thoroughly after handling. Do not puncture or incinerate container. Use equipment rated for cylinder pressure. Close valve after each use and when empty. Keep container closed. Avoid contact with skin and clothing. Avoid contact with eyes. Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Protect cylinders from physical damage; do not drag, roll, slide, or drop. Use a suitable hand truck for cylinder movement.
- Storage** : Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Segregate from oxidizing materials. Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Cylinder temperatures should not exceed 52 °C (125 °F).

Section 8. Exposure controls/personal protection

- Engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Personal protection

- Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- The applicable standards are (US) 29 CFR 1910.134 and (Canada) Z94.4-93
- Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Personal protection in case of a large spill** : Self-contained breathing apparatus (SCBA) should be used to avoid inhalation of the product. Full chemical-resistant suit and self-contained breathing apparatus should be worn only by trained and authorized persons.

Product name

chloroethane

ACGIH TLV (United States, 1/2009). Absorbed through skin.

TWA: 264 mg/m³ 8 hour(s).

TWA: 100 ppm 8 hour(s).

OSHA PEL (United States, 11/2006).

TWA: 2600 mg/m³ 8 hour(s).

TWA: 1000 ppm 8 hour(s).

OSHA PEL 1989 (United States, 3/1989).

TWA: 2600 mg/m³ 8 hour(s).

TWA: 1000 ppm 8 hour(s).

Ethyl Chloride

Consult local authorities for acceptable exposure limits.

Section 9. Physical and chemical properties

Molecular weight	: 64.52 g/mole
Molecular formula	: C ₂ H ₅ Cl
Bolling/condensation point	: 12.2°C (54°F)
Melting/freezing point	: -138.9°C (-218°F)
Critical temperature	: 187.3°C (369.1°F)
Vapor density	: 2.2 (Air = 1)
Specific Volume (ft ³ /lb)	: 6.0241
Gas Density (lb/ft ³)	: 0.166

Section 10. Stability and reactivity

Stability and reactivity	: The product is stable.
Incompatibility with various substances	: Extremely reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization	: Under normal conditions of storage and use, hazardous polymerization will not occur.

Section 11. Toxicological information

Toxicity data

Product/ingredient name	Result	Species	Dose	Exposure
chloroethane	TDLo Oral	Rat	250 mg/kg	-
	LC50 Inhalation Vapor	Rat	152 g/m ³	10 minutes
	LC50 Inhalation Vapor	Rat	152 g/m ³	2 hours
	LC50 Inhalation Vapor	Rat	150000 mg/m ³	2 hours
	LC50 Inhalation Vapor	Rat	150000 mg/m ³	2 hours

IDLH : 3800 ppm

Chronic effects on humans : **CARCINOGENIC EFFECTS:** Classified + (Proven.) by NIOSH. Classified A3 (Proven for animals.) by ACGIH, 3 (Possible for humans.) by European Union. 3 (Not classifiable for humans.) by IARC.
May cause damage to the following organs: kidneys, liver, mucous membranes, cardiovascular system, upper respiratory tract, skin, eyes, central nervous system (CNS).

Other toxic effects on humans : No specific information is available in our database regarding the other toxic effects of this material to humans.

Specific effects

Carcinogenic effects	: No known significant effects or critical hazards.
Mutagenic effects	: No known significant effects or critical hazards.
Reproduction toxicity	: No known significant effects or critical hazards.

Section 12. Ecological information

Aquatic ecotoxicity

Not available.

Products of degradation : Products of degradation: carbon oxides (CO, CO₂) and water, halogenated compounds.

Environmental fate : Not available.

Environmental hazards : No known significant effects or critical hazards.

Toxicity to the environment : Not available.

Ethyl Chloride

Section 13. Disposal considerations

Product removed from the cylinder must be disposed of in accordance with appropriate Federal, State, local regulation. Return cylinders with residual product to Airgas, Inc. Do not dispose of locally.

Section 14. Transport information

Regulatory Information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
DOT Classification	UN1037	ETHYL CHLORIDE	2.1	Not applicable (gas).		Reportable quantity 100 lbs. (45.4 kg) Limited quantity Yes. Packaging Instruction Passenger aircraft Quantity limitation: Forbidden. Cargo aircraft Quantity limitation: 150 kg Special provisions B77, T50
TDG Classification	UN1037	ETHYL CHLORIDE	2.1	Not applicable (gas).		Explosive Limit and Limited Quantity Index 0.125 ERAP Index 3000 Passenger Carrying Road or Rail Index Forbidden
Mexico Classification	UN1037	ETHYL CHLORIDE	2.1	Not applicable (gas).		-

"Refer to CFR 49 (or authority having jurisdiction) to determine the information required for shipment of the product."

Ethyl Chloride

Section 15. Regulatory information

United States

U.S. Federal regulations : **United States inventory (TSCA 8b):** This material is listed or exempted.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: chloroethane
SARA 311/312 MSDS distribution - chemical inventory - hazard identification:
chloroethane: Fire hazard, reactive, Sudden release of pressure, Immediate (acute) health hazard, Delayed (chronic) health hazard
Clean Water Act (CWA) 307: chloroethane
Clean Water Act (CWA) 311: No products were found.
Clean Air Act (CAA) 112 accidental release prevention: chloroethane
Clean Air Act (CAA) 112 regulated flammable substances: chloroethane
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

SARA 313

	<u>Product name</u>	<u>CAS number</u>	<u>Concentration</u>
Form R - Reporting requirements	: Ethyl Chloride	75-00-3	100
Supplier notification	: Ethyl Chloride	75-00-3	100

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

State regulations : **Connecticut Carcinogen Reporting:** This material is not listed.
Connecticut Hazardous Material Survey: This material is not listed.
Florida substances: This material is not listed.
Illinois Chemical Safety Act: This material is not listed.
Illinois Toxic Substances Disclosure to Employee Act: This material is not listed.
Louisiana Reporting: This material is not listed.
Louisiana Spill: This material is not listed.
Massachusetts Spill: This material is not listed.
Massachusetts Substances: This material is listed.
Michigan Critical Material: This material is not listed.
Minnesota Hazardous Substances: This material is not listed.
New Jersey Hazardous Substances: This material is listed.
New Jersey Spill: This material is not listed.
New Jersey Toxic Catastrophe Prevention Act: This material is not listed.
New York Acutely Hazardous Substances: This material is listed.
New York Toxic Chemical Release Reporting: This material is not listed.
Pennsylvania RTK Hazardous Substances: This material is listed.
Rhode Island Hazardous Substances: This material is not listed.

California Prop. 65 : **WARNING:** This product contains a chemical known to the State of California to cause cancer.

<u>Ingredient name</u>	<u>Cancer</u>	<u>Reproductive</u>	<u>No significant risk level</u>	<u>Maximum acceptable dosage level</u>
Ethyl Chloride	Yes.	No.	Yes.	No.

Canada

WHMIS (Canada) : **Class A:** Compressed gas.
Class B-1: Flammable gas.
CEPA Toxic substances: This material is not listed.
Canadian ARET: This material is not listed.
Canadian NPRI: This material is listed.
Alberta Designated Substances: This material is not listed.
Ontario Designated Substances: This material is not listed.
Quebec Designated Substances: This material is not listed.

Ethyl Chloride

Section 16. Other information

United States

Label requirements : FLAMMABLE GAS.
MAY CAUSE FLASH FIRE.
MAY CAUSE EYE AND SKIN IRRITATION.
MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA.
CONTENTS UNDER PRESSURE.

Canada

Label requirements : Class A: Compressed gas.
Class B-1: Flammable gas.

Hazardous Material Information System (U.S.A.)

Health	2
Flammability	4
Physical hazards	0
Reactivity	
Environmental	

National Fire Protection Association (U.S.A.)



Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

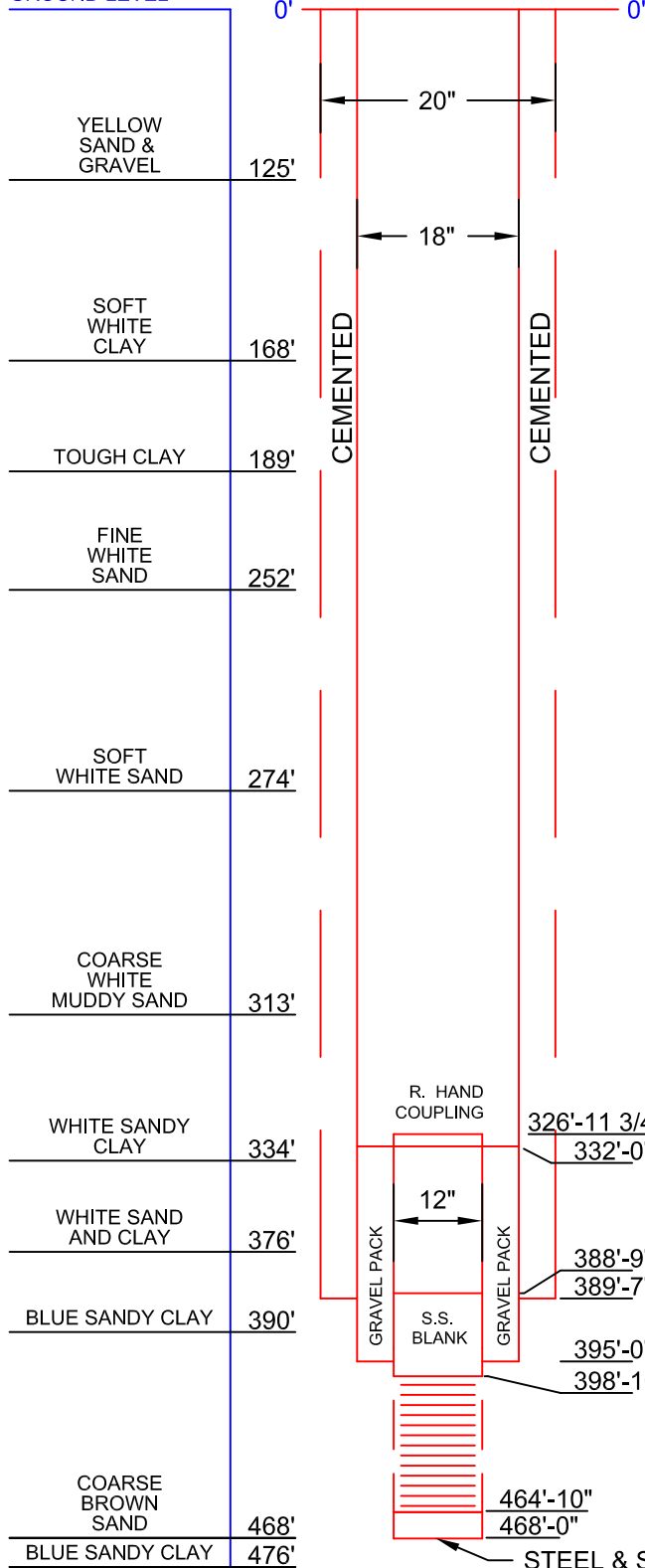
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Appendix D

Off-Site Supply Well Information

MATERIAL

GROUND LEVEL



OUTER CASING	389'-7" OF 20" BLACK STEEL PIPE, WELDED
INNER CASING	395'-0" OF 18" (3/8" WALL) BLACK STEEL PIPE, WELDED
RISER	61'-9.25" OF 12" (3/8" WALL) BLACK STEEL PIPE, WELDED
SCREEN	10'-1" OF 12" 316L SS TW BLANK
SUMP	66'-0" OF 12" NOM WW JOHNSON 316L SS, #50 SLOT
GRAVEL	3'-2" OF 12" NOM WW JOHNSON 316L SS TW BLANK WITH STEEL & S S PLATES WELDED ON BOTTOM
	32" DIA GRAVEL PACKING #1 & #2 MORIE MIX, 75% RETAINED ON US #16 SIEVE, UC<= 1.7

PUMP

TYPE	12RJHC	YEAR NEW	(B) 2001
MAKE	GOULDS	TDH	248'
LUBE	WATER	SHOP No.	13789
SETTING	167'	SIZE	12"
SUCTION	8" x 10'	STAGES	5
BASKET	NONE	IMPELLERS	BRONZE (7.4375")
DISCHARGE	10" x 10' T&C	DISCH HEAD	GOULDS
LAST MAINT.	2001	PRES SETPT.	42 PSI
TUBING	NONE	FLOW RATE	1200 GPM
SHAFTING	1-1/2" SS (2001)	AIR LINE	183'

MOTOR

YEAR NEW	1988	LAST MAINT.	2001
MAKE	US MOTOR	TYPE	RUE
VOLTS	220	RPM	1780
PHASE	3	FORM	VHS
CYCLE	60	SERIAL No.	RO2P3620356R-1
AMP.	256	FRAME	404TP WPI
MODEL		H.P.	100

WELL

OVERHAULED		GUAR.	1200 GPM
CAP.	1200 GPM	PUMPED	1205
STARTED	1/4/85		

DRAWN BY: P. Miloscia DATE: 7/17/2001

CHECKED BY: J. Corbisiero

ACCEPTED 3/4/86

WATER AUTHORITY OF WESTERN NASSAU COUNTY

WELL No. 20

ELEV. 104.68' B.P.

N17

DATE: 7/17/07

SampleID	ClientSampleID	OriginTxt	Well Type	DateCollected	Analyte	Qualifier	Result	Units
1108419-001A	Well #20	Raw Well		1 8/8/2011	Alkalinity, Total (As CaCO3)			23.5 mg/L
1108419-001B	Well #20	Raw Well		1 8/8/2011	Antimony	<		0.4 ug/l
1108419-001B	Well #20	Raw Well		1 8/8/2011	Arsenic	<		1.4 ug/l
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Atrazine	<		0.5 µg/L
1108419-001B	Well #20	Raw Well		1 8/8/2011	Barium			0.008 mg/l
1108419-001B	Well #20	Raw Well		1 8/8/2011	Beryllium	<		0.3 ug/l
1108419-001B	Well #20	Raw Well		1 8/8/2011	Cadmium			1.02 ug/l
1108419-001A	Well #20	Raw Well		1 8/8/2011	Calcium			14.4 mg/L
1108419-001B	Well #20	Raw Well		1 8/8/2011	Chloride			48.6 mg/L
1108419-001B	Well #20	Raw Well		1 8/8/2011	Chromium	<		0.007 mg/l
1108419-001A	Well #20	Raw Well		1 8/8/2011	Color	<		5 units
1108419-001B	Well #20	Raw Well		1 8/8/2011	Copper			0.027 mg/l
1108419-001A	Well #20	Raw Well		1 8/8/2011	Fluoride	<		0.1 mg/L
1108419-001C	Well #20	Raw Well		1 8/8/2011	Free Cyanide	<		10 µg/L
1108419-001B	Well #20	Raw Well		1 8/8/2011	Hardness, Calcium (As CaCO3)			36.0 mg/L
1108419-001B	Well #20	Raw Well		1 8/8/2011	Iron	<		20 ug/L
1108419-001B	Well #20	Raw Well		1 8/8/2011	Lead	<		1 ug/l
1108419-001A	Well #20	Raw Well		1 8/8/2011	LSI			-3.65 SI
1108419-001B	Well #20	Raw Well		1 8/8/2011	Magnesium			7.39 mg/L
1108419-001B	Well #20	Raw Well		1 8/8/2011	Manganese	<		10 ug/l
1108419-001A	Well #20	Raw Well		1 8/8/2011	MBAS	<		0.08 mg/L
1108419-001B	Well #20	Raw Well		1 8/8/2011	Mercury	<		0.2 ug/l
1108419-001B	Well #20	Raw Well		1 8/8/2011	Nickel			0.002 mg/l
110197-001A	Well #20	Raw Well		1 10/5/2011	Nitrate as N			4.06 mg/L
1106C75-001A	Well #20	Raw Well		1 6/28/2011	Nitrate as N			3.83 mg/L
1108419-001A	Well #20	Raw Well		1 8/8/2011	Nitrate as N			3.72 mg/L
1107569-001C	Well #20	Raw Well		1 7/14/2011	Nitrate as N			3.67 mg/L
1108419-001A	Well #20	Raw Well		1 8/8/2011	Nitrite as N	<		0.05 mg/L
1108419-001A	Well #20	Raw Well		1 8/8/2011	Nitrogen, Ammonia (As N)			0.42 mg/L
1108419-001A	Well #20	Raw Well		1 8/8/2011	Odor			0 units
1108419-001A	Well #20	Raw Well		1 8/8/2011	PH (FIELD)	<		5.3 pH Units
1108419-001B	Well #20	Raw Well		1 8/8/2011	Selenium	<		2 ug/l
1108419-001B	Well #20	Raw Well		1 8/8/2011	Silver	<		0.01 mg/l
1108419-001B	Well #20	Raw Well		1 8/8/2011	Sodium			29.0 mg/L
1108419-001A	Well #20	Raw Well		1 8/8/2011	Sulfate			25.5 mg/L
1108419-001B	Well #20	Raw Well		1 8/8/2011	Thallium	<		0.3 ug/l
1108419-001A	Well #20	Raw Well		1 8/8/2011	Total Dissolved Solids			155 mg/L
1108419-001B	Well #20	Raw Well		1 8/8/2011	Total Hardness (As CaCO3)			66.4 mg/L
1108419-001A	Well #20	Raw Well		1 8/8/2011	Turbidity	<		1 NTU
1108419-001B	Well #20	Raw Well		1 8/8/2011	Zinc			0.02 mg/L

SampleID	ClientSampleID	OriginTxt	Well Type	DateCollected	Analyte	Qualifier	Result	Units
1106C74-001A	Well #20	Raw Well		1 6/28/2011	1,2-Dibromo-3-chloropropane	<		0.01 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	1,2-Dibromoethane	<		0.01 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	2,4,5-TP (Silvex)	<		0.13 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	2,4-D	<		0.1 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	3-Hydroxycarbofuran	<		1 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Alachlor	<		1 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Aldicarb	<		0.5 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Aldicarb sulfone	<		0.8 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Aldicarb sulfoxide	<		0.5 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Aldrin	<		0.025 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Benzo(a)pyrene	<		0.1 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	bis(2-Ethylhexyl)adipate	<		1 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Bis(2-ethylhexyl)phthalate	<		2 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Butachlor	<		1 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Carbaryl	<		1 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Carbofuran	<		0.9 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Chlordane	<		0.5 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Dalapon	<		0.7 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Dicamba	<		1 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Dieldrin	<		0.05 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Dinoseb	<		0.2 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Dioxin (See Attached)	<		5 Pg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Diquat	<		1 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Endothall	<		9 ug/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Endrin	<		0.01 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Glyphosate	<		6 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Heptachlor	<		0.025 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Heptachlor epoxide	<		0.02 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Hexachlorobenzene	<		0.25 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Hexachlorocyclopentadiene	<		0.5 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Lindane	<		0.02 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Methomyl	<		1 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Methoxychlor	<		0.1 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Metolachlor	<		1 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Metribuzin	<		0.5 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Oxamyl	<		1 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Pentachlorophenol	<		0.1 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Picloram	<		0.1 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Propachlor	<		1 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Simazine	<		0.5 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Total PCBs	<		0.5 µg/L
1106C74-001A	Well #20	Raw Well		1 6/28/2011	Toxaphene	<		2.5 µg/L

SampleID	ClientSampleID	OriginTxt	Well Type	DateCollected	Analyte	Qualifier	Result	Units
1212750-001B	Well 20	Raw Well		1 12/13/2012	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1211054-001B	Well 20	Raw Well		1 11/1/2012	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1210265-001B	Well 20	Raw Well		1 10/3/2012	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1209642-001B	Well 20	Raw Well		1 9/13/2012	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1208B75-001B	Well 20	Raw Well		1 8/22/2012	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1207B87-001B	Well 20	Raw Well		1 7/24/2012	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1206502-001B	Well 20	Raw Well		1 6/12/2012	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1205635-003B	Well 20	Raw Well		1 5/14/2012	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1204807-001B	Well 20	Raw Well		1 4/18/2012	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1203737-001B	Well 20	Raw Well		1 3/20/2012	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1202965-003B	Well 20	Raw Well		1 2/28/2012	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1201739-001B	Well 20	Raw Well		1 1/23/2012	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1212750-001B	Well 20	Raw Well		1 12/13/2012	1,1,1-Trichloroethane	<		0.5 µg/L
1211054-001B	Well 20	Raw Well		1 11/1/2012	1,1,1-Trichloroethane	<		0.5 µg/L
1210265-001B	Well 20	Raw Well		1 10/3/2012	1,1,1-Trichloroethane	<		0.5 µg/L
1209642-001B	Well 20	Raw Well		1 9/13/2012	1,1,1-Trichloroethane	<		0.5 µg/L
1208B75-001B	Well 20	Raw Well		1 8/22/2012	1,1,1-Trichloroethane	<		0.5 µg/L
1207B87-001B	Well 20	Raw Well		1 7/24/2012	1,1,1-Trichloroethane	<		0.5 µg/L
1206502-001B	Well 20	Raw Well		1 6/12/2012	1,1,1-Trichloroethane	<		0.5 µg/L
1205635-003B	Well 20	Raw Well		1 5/14/2012	1,1,1-Trichloroethane	<		0.5 µg/L
1204807-001B	Well 20	Raw Well		1 4/18/2012	1,1,1-Trichloroethane	<		0.5 µg/L
1203737-001B	Well 20	Raw Well		1 3/20/2012	1,1,1-Trichloroethane	<		0.5 µg/L
1202965-003B	Well 20	Raw Well		1 2/28/2012	1,1,1-Trichloroethane	<		0.5 µg/L
1201739-001B	Well 20	Raw Well		1 1/23/2012	1,1,1-Trichloroethane	<		0.5 µg/L
1212750-001B	Well 20	Raw Well		1 12/13/2012	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1211054-001B	Well 20	Raw Well		1 11/1/2012	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1210265-001B	Well 20	Raw Well		1 10/3/2012	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1209642-001B	Well 20	Raw Well		1 9/13/2012	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1208B75-001B	Well 20	Raw Well		1 8/22/2012	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1207B87-001B	Well 20	Raw Well		1 7/24/2012	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1206502-001B	Well 20	Raw Well		1 6/12/2012	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1205635-003B	Well 20	Raw Well		1 5/14/2012	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1204807-001B	Well 20	Raw Well		1 4/18/2012	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1203737-001B	Well 20	Raw Well		1 3/20/2012	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1202965-003B	Well 20	Raw Well		1 2/28/2012	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1201739-001B	Well 20	Raw Well		1 1/23/2012	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1212750-001B	Well 20	Raw Well		1 12/13/2012	1,1,2-Trichloroethane	<		0.5 µg/L
1211054-001B	Well 20	Raw Well		1 11/1/2012	1,1,2-Trichloroethane	<		0.5 µg/L
1210265-001B	Well 20	Raw Well		1 10/3/2012	1,1,2-Trichloroethane	<		0.5 µg/L
1209642-001B	Well 20	Raw Well		1 9/13/2012	1,1,2-Trichloroethane	<		0.5 µg/L
1208B75-001B	Well 20	Raw Well		1 8/22/2012	1,1,2-Trichloroethane	<		0.5 µg/L
1207B87-001B	Well 20	Raw Well		1 7/24/2012	1,1,2-Trichloroethane	<		0.5 µg/L
1206502-001B	Well 20	Raw Well		1 6/12/2012	1,1,2-Trichloroethane	<		0.5 µg/L
1205635-003B	Well 20	Raw Well		1 5/14/2012	1,1,2-Trichloroethane	<		0.5 µg/L
1204807-001B	Well 20	Raw Well		1 4/18/2012	1,1,2-Trichloroethane	<		0.5 µg/L
1203737-001B	Well 20	Raw Well		1 3/20/2012	1,1,2-Trichloroethane	<		0.5 µg/L
1202965-003B	Well 20	Raw Well		1 2/28/2012	1,1,2-Trichloroethane	<		0.5 µg/L
1201739-001B	Well 20	Raw Well		1 1/23/2012	1,1,2-Trichloroethane	<		0.5 µg/L

1210265-001B	Raw Well	1 10/3/2012	1,2,3-Trichloropropane	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	1,2,3-Trichloropropane	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	1,2,3-Trichloropropane	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	1,2,3-Trichloropropane	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	1,2,3-Trichloropropane	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	1,2,3-Trichloropropane	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	1,2,3-Trichloropropane	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	1,2,3-Trichloropropane	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	1,2,3-Trichloropropane	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	1,2,3-Trichloropropane	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	1,2,4-Trichlorobenzene	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	1,2,4-Trichlorobenzene	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	1,2,4-Trichlorobenzene	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	1,2,4-Trichlorobenzene	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	1,2,4-Trichlorobenzene	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	1,2,4-Trichlorobenzene	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	1,2,4-Trichlorobenzene	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	1,2,4-Trichlorobenzene	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	1,2,4-Trichlorobenzene	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	1,2,4-Trichlorobenzene	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	1,2,4-Trichlorobenzene	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	1,2,4-Trimethylbenzene	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	1,2,4-Trimethylbenzene	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	1,2,4-Trimethylbenzene	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	1,2,4-Trimethylbenzene	<	0.5 µg/L
1207B87-001B	Raw Well	1 8/22/2012	1,2,4-Trimethylbenzene	<	0.5 µg/L
1206502-001B	Raw Well	1 7/24/2012	1,2,4-Trimethylbenzene	<	0.5 µg/L
1205635-003B	Raw Well	1 6/12/2012	1,2,4-Trimethylbenzene	<	0.5 µg/L
1204807-001B	Raw Well	1 5/14/2012	1,2,4-Trimethylbenzene	<	0.5 µg/L
1203737-001B	Raw Well	1 4/18/2012	1,2,4-Trimethylbenzene	<	0.5 µg/L
1202965-003B	Raw Well	1 3/20/2012	1,2,4-Trimethylbenzene	<	0.5 µg/L
1201739-001B	Raw Well	1 2/28/2012	1,2,4-Trimethylbenzene	<	0.5 µg/L
1212750-001B	Raw Well	1 1/23/2012	1,2,4-Trimethylbenzene	<	0.5 µg/L
1211054-001B	Raw Well	1 12/13/2012	1,2-Dichlorobenzene	<	0.5 µg/L
1210265-001B	Raw Well	1 11/1/2012	1,2-Dichlorobenzene	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	1,2-Dichlorobenzene	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	1,2-Dichlorobenzene	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	1,2-Dichlorobenzene	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	1,2-Dichlorobenzene	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	1,2-Dichlorobenzene	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	1,2-Dichlorobenzene	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	1,2-Dichlorobenzene	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	1,2-Dichlorobenzene	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	1,2-Dichlorobenzene	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	1,2-Dichlorobenzene	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	1,2-Dichloroethane	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	1,2-Dichloroethane	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	1,2-Dichloroethane	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	1,2-Dichloroethane	<	0.5 µg/L

1208B75-001B	Well 20	Raw Well	1 8/22/2012	1,2-Dichloroethane	<	0.5 µg/L
1207B87-001B	Well 20	Raw Well	1 7/24/2012	1,2-Dichloroethane	<	0.5 µg/L
1206502-001B	Well 20	Raw Well	1 6/12/2012	1,2-Dichloroethane	<	0.5 µg/L
1205635-003B	Well 20	Raw Well	1 5/14/2012	1,2-Dichloroethane	<	0.5 µg/L
1204807-001B	Well 20	Raw Well	1 4/18/2012	1,2-Dichloroethane	<	0.5 µg/L
1203737-001B	Well 20	Raw Well	1 3/20/2012	1,2-Dichloroethane	<	0.5 µg/L
1202965-003B	Well 20	Raw Well	1 2/28/2012	1,2-Dichloroethane	<	0.5 µg/L
1201739-001B	Well 20	Raw Well	1 1/23/2012	1,2-Dichloroethane	<	0.5 µg/L
1212750-001B	Well 20	Raw Well	1 12/13/2012	1,2-Dichloropropane	<	0.5 µg/L
1211054-001B	Well 20	Raw Well	1 11/1/2012	1,2-Dichloropropane	<	0.5 µg/L
1210265-001B	Well 20	Raw Well	1 10/3/2012	1,2-Dichloropropane	<	0.5 µg/L
1209642-001B	Well 20	Raw Well	1 9/13/2012	1,2-Dichloropropane	<	0.5 µg/L
1208B75-001B	Well 20	Raw Well	1 8/22/2012	1,2-Dichloropropane	<	0.5 µg/L
1207B87-001B	Well 20	Raw Well	1 7/24/2012	1,2-Dichloropropane	<	0.5 µg/L
1206502-001B	Well 20	Raw Well	1 6/12/2012	1,2-Dichloropropane	<	0.5 µg/L
1205635-003B	Well 20	Raw Well	1 5/14/2012	1,2-Dichloropropane	<	0.5 µg/L
1204807-001B	Well 20	Raw Well	1 4/18/2012	1,2-Dichloropropane	<	0.5 µg/L
1203737-001B	Well 20	Raw Well	1 3/20/2012	1,2-Dichloropropane	<	0.5 µg/L
1202965-003B	Well 20	Raw Well	1 2/28/2012	1,2-Dichloropropane	<	0.5 µg/L
1201739-001B	Well 20	Raw Well	1 1/23/2012	1,2-Dichloropropane	<	0.5 µg/L
1212750-001B	Well 20	Raw Well	1 12/13/2012	1,3,5-Trimethylbenzene	<	0.5 µg/L
1211054-001B	Well 20	Raw Well	1 11/1/2012	1,3,5-Trimethylbenzene	<	0.5 µg/L
1210265-001B	Well 20	Raw Well	1 10/3/2012	1,3,5-Trimethylbenzene	<	0.5 µg/L
1209642-001B	Well 20	Raw Well	1 9/13/2012	1,3,5-Trimethylbenzene	<	0.5 µg/L
1208B75-001B	Well 20	Raw Well	1 8/22/2012	1,3,5-Trimethylbenzene	<	0.5 µg/L
1207B87-001B	Well 20	Raw Well	1 7/24/2012	1,3,5-Trimethylbenzene	<	0.5 µg/L
1206502-001B	Well 20	Raw Well	1 6/12/2012	1,3,5-Trimethylbenzene	<	0.5 µg/L
1205635-003B	Well 20	Raw Well	1 5/14/2012	1,3,5-Trimethylbenzene	<	0.5 µg/L
1204807-001B	Well 20	Raw Well	1 4/18/2012	1,3,5-Trimethylbenzene	<	0.5 µg/L
1203737-001B	Well 20	Raw Well	1 3/20/2012	1,3,5-Trimethylbenzene	<	0.5 µg/L
1202965-003B	Well 20	Raw Well	1 2/28/2012	1,3,5-Trimethylbenzene	<	0.5 µg/L
1201739-001B	Well 20	Raw Well	1 1/23/2012	1,3,5-Trimethylbenzene	<	0.5 µg/L
1212750-001B	Well 20	Raw Well	1 12/13/2012	1,3-Dichlorobenzene	<	0.5 µg/L
1211054-001B	Well 20	Raw Well	1 11/1/2012	1,3-Dichlorobenzene	<	0.5 µg/L
1210265-001B	Well 20	Raw Well	1 10/3/2012	1,3-Dichlorobenzene	<	0.5 µg/L
1209642-001B	Well 20	Raw Well	1 9/13/2012	1,3-Dichlorobenzene	<	0.5 µg/L
1208B75-001B	Well 20	Raw Well	1 8/22/2012	1,3-Dichlorobenzene	<	0.5 µg/L
1207B87-001B	Well 20	Raw Well	1 7/24/2012	1,3-Dichlorobenzene	<	0.5 µg/L
1206502-001B	Well 20	Raw Well	1 6/12/2012	1,3-Dichlorobenzene	<	0.5 µg/L
1205635-003B	Well 20	Raw Well	1 5/14/2012	1,3-Dichlorobenzene	<	0.5 µg/L
1204807-001B	Well 20	Raw Well	1 4/18/2012	1,3-Dichlorobenzene	<	0.5 µg/L
1203737-001B	Well 20	Raw Well	1 3/20/2012	1,3-Dichlorobenzene	<	0.5 µg/L
1202965-003B	Well 20	Raw Well	1 2/28/2012	1,3-Dichlorobenzene	<	0.5 µg/L
1201739-001B	Well 20	Raw Well	1 1/23/2012	1,3-Dichlorobenzene	<	0.5 µg/L
1212750-001B	Well 20	Raw Well	1 12/13/2012	1,3-Dichloropropane	<	0.5 µg/L
1211054-001B	Well 20	Raw Well	1 11/1/2012	1,3-Dichloropropane	<	0.5 µg/L
1210265-001B	Well 20	Raw Well	1 10/3/2012	1,3-Dichloropropane	<	0.5 µg/L
1209642-001B	Well 20	Raw Well	1 9/13/2012	1,3-Dichloropropane	<	0.5 µg/L
1208B75-001B	Well 20	Raw Well	1 8/22/2012	1,3-Dichloropropane	<	0.5 µg/L
1207B87-001B	Well 20	Raw Well	1 7/24/2012	1,3-Dichloropropane	<	0.5 µg/L

1206502-001B	Well 20	Raw Well	1 6/12/2012	1,3-Dichloropropane	<	0.5 µg/L
1205635-003B	Well 20	Raw Well	1 5/14/2012	1,3-Dichloropropane	<	0.5 µg/L
1204807-001B	Well 20	Raw Well	1 4/18/2012	1,3-Dichloropropane	<	0.5 µg/L
1203737-001B	Well 20	Raw Well	1 3/20/2012	1,3-Dichloropropane	<	0.5 µg/L
1202965-003B	Well 20	Raw Well	1 2/28/2012	1,3-Dichloropropane	<	0.5 µg/L
1201739-001B	Well 20	Raw Well	1 1/23/2012	1,3-Dichloropropane	<	0.5 µg/L
1212750-001B	Well 20	Raw Well	1 12/13/2012	1,4-Dichlorobenzene	<	0.5 µg/L
1211054-001B	Well 20	Raw Well	1 11/1/2012	1,4-Dichlorobenzene	<	0.5 µg/L
1210265-001B	Well 20	Raw Well	1 10/3/2012	1,4-Dichlorobenzene	<	0.5 µg/L
1209642-001B	Well 20	Raw Well	1 9/13/2012	1,4-Dichlorobenzene	<	0.5 µg/L
1208B75-001B	Well 20	Raw Well	1 8/22/2012	1,4-Dichlorobenzene	<	0.5 µg/L
1207B87-001B	Well 20	Raw Well	1 7/24/2012	1,4-Dichlorobenzene	<	0.5 µg/L
1206502-001B	Well 20	Raw Well	1 6/12/2012	1,4-Dichlorobenzene	<	0.5 µg/L
1205635-003B	Well 20	Raw Well	1 5/14/2012	1,4-Dichlorobenzene	<	0.5 µg/L
1204807-001B	Well 20	Raw Well	1 4/18/2012	1,4-Dichlorobenzene	<	0.5 µg/L
1203737-001B	Well 20	Raw Well	1 3/20/2012	1,4-Dichlorobenzene	<	0.5 µg/L
1202965-003B	Well 20	Raw Well	1 2/28/2012	1,4-Dichlorobenzene	<	0.5 µg/L
1201739-001B	Well 20	Raw Well	1 1/23/2012	1,4-Dichlorobenzene	<	0.5 µg/L
1212750-001B	Well 20	Raw Well	1 12/13/2012	2,2-Dichloropropane	<	0.5 µg/L
1211054-001B	Well 20	Raw Well	1 11/1/2012	2,2-Dichloropropane	<	0.5 µg/L
1210265-001B	Well 20	Raw Well	1 10/3/2012	2,2-Dichloropropane	<	0.5 µg/L
1209642-001B	Well 20	Raw Well	1 9/13/2012	2,2-Dichloropropane	<	0.5 µg/L
1208B75-001B	Well 20	Raw Well	1 8/22/2012	2,2-Dichloropropane	<	0.5 µg/L
1207B87-001B	Well 20	Raw Well	1 7/24/2012	2,2-Dichloropropane	<	0.5 µg/L
1206502-001B	Well 20	Raw Well	1 6/12/2012	2,2-Dichloropropane	<	0.5 µg/L
1205635-003B	Well 20	Raw Well	1 5/14/2012	2,2-Dichloropropane	<	0.5 µg/L
1204807-001B	Well 20	Raw Well	1 4/18/2012	2,2-Dichloropropane	<	0.5 µg/L
1203737-001B	Well 20	Raw Well	1 3/20/2012	2,2-Dichloropropane	<	0.5 µg/L
1202965-003B	Well 20	Raw Well	1 2/28/2012	2,2-Dichloropropane	<	0.5 µg/L
1201739-001B	Well 20	Raw Well	1 1/23/2012	2,2-Dichloropropane	<	0.5 µg/L
1212750-001B	Well 20	Raw Well	1 12/13/2012	2/4-Chlorotoluene	<	0.5 µg/L
1211054-001B	Well 20	Raw Well	1 11/1/2012	2/4-Chlorotoluene	<	0.5 µg/L
1210265-001B	Well 20	Raw Well	1 10/3/2012	2/4-Chlorotoluene	<	0.5 µg/L
1209642-001B	Well 20	Raw Well	1 9/13/2012	2/4-Chlorotoluene	<	0.5 µg/L
1208B75-001B	Well 20	Raw Well	1 8/22/2012	2/4-Chlorotoluene	<	0.5 µg/L
1207B87-001B	Well 20	Raw Well	1 7/24/2012	2/4-Chlorotoluene	<	0.5 µg/L
1206502-001B	Well 20	Raw Well	1 6/12/2012	2/4-Chlorotoluene	<	0.5 µg/L
1205635-003B	Well 20	Raw Well	1 5/14/2012	2/4-Chlorotoluene	<	0.5 µg/L
1204807-001B	Well 20	Raw Well	1 4/18/2012	2/4-Chlorotoluene	<	0.5 µg/L
1203737-001B	Well 20	Raw Well	1 3/20/2012	2/4-Chlorotoluene	<	0.5 µg/L
1202965-003B	Well 20	Raw Well	1 2/28/2012	2/4-Chlorotoluene	<	0.5 µg/L
1201739-001B	Well 20	Raw Well	1 1/23/2012	2/4-Chlorotoluene	<	0.5 µg/L
1212750-001B	Well 20	Raw Well	1 12/13/2012	4-Isopropyltoluene	<	0.5 µg/L
1211054-001B	Well 20	Raw Well	1 11/1/2012	4-Isopropyltoluene	<	0.5 µg/L
1210265-001B	Well 20	Raw Well	1 10/3/2012	4-Isopropyltoluene	<	0.5 µg/L
1209642-001B	Well 20	Raw Well	1 9/13/2012	4-Isopropyltoluene	<	0.5 µg/L
1208B75-001B	Well 20	Raw Well	1 8/22/2012	4-Isopropyltoluene	<	0.5 µg/L
1207B87-001B	Well 20	Raw Well	1 7/24/2012	4-Isopropyltoluene	<	0.5 µg/L
1206502-001B	Well 20	Raw Well	1 6/12/2012	4-Isopropyltoluene	<	0.5 µg/L
1205635-003B	Well 20	Raw Well	1 5/14/2012	4-Isopropyltoluene	<	0.5 µg/L

1204807-001B	Raw Well	1 4/18/2012	4-Isopropyltoluene	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	4-Isopropyltoluene	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	4-Isopropyltoluene	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	4-Isopropyltoluene	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Benzene	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Benzene	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Benzene	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Benzene	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Benzene	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Benzene	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Benzene	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Benzene	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Benzene	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Benzene	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Benzene	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Benzene	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Bromobenzene	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Bromobenzene	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Bromobenzene	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Bromobenzene	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Bromobenzene	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Bromobenzene	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Bromobenzene	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Bromobenzene	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Bromobenzene	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Bromobenzene	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Bromobenzene	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Bromobenzene	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Bromochloromethane	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Bromochloromethane	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Bromochloromethane	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Bromochloromethane	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Bromochloromethane	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Bromochloromethane	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Bromochloromethane	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Bromochloromethane	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Bromochloromethane	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Bromochloromethane	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Bromochloromethane	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Bromochloromethane	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Bromodichloromethane	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Bromodichloromethane	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Bromodichloromethane	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Bromodichloromethane	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Bromodichloromethane	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Bromodichloromethane	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Bromodichloromethane	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Bromodichloromethane	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Bromodichloromethane	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Bromodichloromethane	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Bromodichloromethane	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Bromodichloromethane	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Bromodichloromethane	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Bromodichloromethane	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Bromodichloromethane	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Bromodichloromethane	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Bromodichloromethane	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Bromodichloromethane	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Bromodichloromethane	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Bromodichloromethane	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Bromodichloromethane	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Bromodichloromethane	<	0.5 µg/L

1202965-003B	Raw Well	1 2/28/2012	Bromodichloromethane	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Bromodichloromethane	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Bromoform	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Bromoform	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Bromoform	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Bromoform	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Bromoform	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Bromoform	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Bromoform	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Bromoform	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Bromoform	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Bromoform	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Bromoform	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Bromoform	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Bromomethane	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Bromomethane	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Bromomethane	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Bromomethane	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Bromomethane	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Bromomethane	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Bromomethane	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Bromomethane	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Bromomethane	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Bromomethane	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Bromomethane	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Bromomethane	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Carbon tetrachloride	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Carbon tetrachloride	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Carbon tetrachloride	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Carbon tetrachloride	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Carbon tetrachloride	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Carbon tetrachloride	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Carbon tetrachloride	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Carbon tetrachloride	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Carbon tetrachloride	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Carbon tetrachloride	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Carbon tetrachloride	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Carbon tetrachloride	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Chlorobenzene	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Chlorobenzene	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Chlorobenzene	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Chlorobenzene	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Chlorobenzene	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Chlorobenzene	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Chlorobenzene	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Chlorobenzene	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Chlorobenzene	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Chlorobenzene	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Chlorobenzene	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Chlorobenzene	<	0.5 µg/L

1212750-001B	Raw Well	1 12/13/2012	Chloroethane	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Chloroethane	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Chloroethane	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Chloroethane	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Chloroethane	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Chloroethane	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Chloroethane	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Chloroethane	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Chloroethane	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Chloroethane	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Chloroethane	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Chloroethane	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Chloroform	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Chloroform	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Chloroform	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Chloroform	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Chloroform	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Chloroform	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Chloroform	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Chloroform	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Chloroform	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Chloroform	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Chloroform	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Chloroform	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Chloromethane	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Chloromethane	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Chloromethane	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Chloromethane	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Chloromethane	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Chloromethane	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Chloromethane	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Chloromethane	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Chloromethane	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Chloromethane	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Chloromethane	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Chloromethane	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	cis-1,2-Dichloroethene	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	cis-1,2-Dichloroethene	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	cis-1,2-Dichloroethene	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	cis-1,2-Dichloroethene	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	cis-1,2-Dichloroethene	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	cis-1,2-Dichloroethene	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	cis-1,2-Dichloroethene	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	cis-1,2-Dichloroethene	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	cis-1,2-Dichloroethene	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	cis-1,2-Dichloroethene	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	cis-1,2-Dichloroethene	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	cis-1,2-Dichloroethene	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	cis-1,3-Dichloropropene	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	cis-1,3-Dichloropropene	<	0.5 µg/L

1210265-001B	Raw Well	1 10/3/2012	cis-1,3-Dichloropropene	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	cis-1,3-Dichloropropene	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	cis-1,3-Dichloropropene	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	cis-1,3-Dichloropropene	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	cis-1,3-Dichloropropene	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	cis-1,3-Dichloropropene	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	cis-1,3-Dichloropropene	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	cis-1,3-Dichloropropene	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	cis-1,3-Dichloropropene	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	cis-1,3-Dichloropropene	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Dibromochloromethane	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Dibromochloromethane	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Dibromochloromethane	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Dibromochloromethane	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Dibromochloromethane	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Dibromochloromethane	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Dibromochloromethane	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Dibromochloromethane	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Dibromochloromethane	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Dibromochloromethane	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Dibromochloromethane	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Dibromochloromethane	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Dibromomethane	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Dibromomethane	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Dibromomethane	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Dibromomethane	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Dibromomethane	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Dibromomethane	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Dibromomethane	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Dibromomethane	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Dibromomethane	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Dibromomethane	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Dibromomethane	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Dibromomethane	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Dichlorodifluoromethane	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Dichlorodifluoromethane	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Dichlorodifluoromethane	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Dichlorodifluoromethane	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Dichlorodifluoromethane	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Dichlorodifluoromethane	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Dichlorodifluoromethane	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Dichlorodifluoromethane	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Dichlorodifluoromethane	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Dichlorodifluoromethane	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Dichlorodifluoromethane	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Dichlorodifluoromethane	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Ethylbenzene	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Ethylbenzene	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Ethylbenzene	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Ethylbenzene	<	0.5 µg/L

1208B75-001B	Raw Well	1 8/22/2012	Ethylbenzene	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Ethylbenzene	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Ethylbenzene	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Ethylbenzene	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Ethylbenzene	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Ethylbenzene	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Ethylbenzene	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Ethylbenzene	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Hexachlorobutadiene	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Hexachlorobutadiene	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Hexachlorobutadiene	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Hexachlorobutadiene	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Hexachlorobutadiene	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Hexachlorobutadiene	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Hexachlorobutadiene	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Hexachlorobutadiene	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Hexachlorobutadiene	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Hexachlorobutadiene	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Hexachlorobutadiene	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Hexachlorobutadiene	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Isopropylbenzene	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Isopropylbenzene	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Isopropylbenzene	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Isopropylbenzene	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Isopropylbenzene	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Isopropylbenzene	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Isopropylbenzene	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Isopropylbenzene	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Isopropylbenzene	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Isopropylbenzene	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Isopropylbenzene	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Isopropylbenzene	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	m,p-Xylene	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	m,p-Xylene	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	m,p-Xylene	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	m,p-Xylene	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	m,p-Xylene	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	m,p-Xylene	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	m,p-Xylene	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	m,p-Xylene	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	m,p-Xylene	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	m,p-Xylene	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	m,p-Xylene	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	m,p-Xylene	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Methyl tert-butyl ether	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Methyl tert-butyl ether	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Methyl tert-butyl ether	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Methyl tert-butyl ether	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Methyl tert-butyl ether	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Methyl tert-butyl ether	<	0.5 µg/L

1206502-001B	Raw Well	1 6/12/2012	Methyl tert-butyl ether	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Methyl tert-butyl ether	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Methyl tert-butyl ether	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Methyl tert-butyl ether	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Methyl tert-butyl ether	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Methyl tert-butyl ether	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Methylene chloride	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Methylene chloride	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Methylene chloride	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Methylene chloride	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Methylene chloride	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Methylene chloride	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Methylene chloride	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Methylene chloride	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Methylene chloride	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Methylene chloride	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Methylene chloride	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Methylene chloride	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	n-Butylbenzene	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	n-Butylbenzene	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	n-Butylbenzene	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	n-Butylbenzene	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	n-Butylbenzene	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	n-Butylbenzene	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	n-Butylbenzene	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	n-Butylbenzene	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	n-Butylbenzene	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	n-Butylbenzene	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	n-Butylbenzene	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	n-Butylbenzene	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	n-Propylbenzene	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	n-Propylbenzene	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	n-Propylbenzene	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	n-Propylbenzene	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	n-Propylbenzene	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	n-Propylbenzene	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	n-Propylbenzene	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	n-Propylbenzene	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	n-Propylbenzene	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	n-Propylbenzene	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	n-Propylbenzene	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	n-Propylbenzene	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	o-Xylene	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	o-Xylene	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	o-Xylene	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	o-Xylene	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	o-Xylene	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	o-Xylene	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	o-Xylene	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	o-Xylene	<	0.5 µg/L

1204807-001B	Raw Well	1 4/18/2012	o-Xylene	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	o-Xylene	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	o-Xylene	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	o-Xylene	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	sec-Butylbenzene	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	sec-Butylbenzene	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	sec-Butylbenzene	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	sec-Butylbenzene	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	sec-Butylbenzene	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	sec-Butylbenzene	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	sec-Butylbenzene	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	sec-Butylbenzene	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	sec-Butylbenzene	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	sec-Butylbenzene	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	sec-Butylbenzene	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Styrene	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	Styrene	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Styrene	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Styrene	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	Styrene	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Styrene	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Styrene	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	Styrene	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	Styrene	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	Styrene	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	Styrene	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Styrene	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	Styrene	<	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	tert-Butylbenzene	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	tert-Butylbenzene	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	tert-Butylbenzene	<	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	tert-Butylbenzene	<	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	tert-Butylbenzene	<	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	tert-Butylbenzene	<	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	tert-Butylbenzene	<	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	tert-Butylbenzene	<	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	tert-Butylbenzene	<	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	tert-Butylbenzene	<	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	tert-Butylbenzene	<	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	tert-Butylbenzene	<	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	Tetrachloroethene	<	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	Tetrachloroethene		7.4 µg/L
1209642-001B	Raw Well	1 9/13/2012	Tetrachloroethene		7.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Tetrachloroethene		8.7 µg/L
1212750-001B	Raw Well	1 12/13/2012	Tetrachloroethene		10.6 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Tetrachloroethene		11.3 µg/L
1206502-001B	Raw Well	1 6/12/2012	Tetrachloroethene		11.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	Tetrachloroethene		11.9 µg/L
					12 µg/L
					12.3 µg/L
					12.4 µg/L

1203737-001B	Raw Well	1 3/20/2012	Tetrachloroethene	12.6 µg/L
1201739-001B	Raw Well	1 1/23/2012	Tetrachloroethene	13.7 µg/L
1212750-001B	Raw Well	1 12/13/2012	Toluene	<
1211054-001B	Raw Well	1 11/1/2012	Toluene	<
1210265-001B	Raw Well	1 10/3/2012	Toluene	<
1209642-001B	Raw Well	1 9/13/2012	Toluene	<
1208B75-001B	Raw Well	1 8/22/2012	Toluene	<
1207B87-001B	Raw Well	1 7/24/2012	Toluene	<
1206502-001B	Raw Well	1 6/12/2012	Toluene	<
1205635-003B	Raw Well	1 5/14/2012	Toluene	<
1204807-001B	Raw Well	1 4/18/2012	Toluene	<
1203737-001B	Raw Well	1 3/20/2012	Toluene	<
1202965-003B	Raw Well	1 2/28/2012	Toluene	<
1201739-001B	Raw Well	1 1/23/2012	Toluene	<
1212750-001B	Raw Well	1 12/13/2012	Total Trihalomethanes	2 µg/L
1211054-001B	Raw Well	1 11/1/2012	Total Trihalomethanes	2 µg/L
1210265-001B	Raw Well	1 10/3/2012	Total Trihalomethanes	<
1209642-001B	Raw Well	1 9/13/2012	Total Trihalomethanes	2 µg/L
1208B75-001B	Raw Well	1 8/22/2012	Total Trihalomethanes	2 µg/L
1207B87-001B	Raw Well	1 7/24/2012	Total Trihalomethanes	2 µg/L
1206502-001B	Raw Well	1 6/12/2012	Total Trihalomethanes	2 µg/L
1205635-003B	Raw Well	1 5/14/2012	Total Trihalomethanes	2 µg/L
1204807-001B	Raw Well	1 4/18/2012	Total Trihalomethanes	2 µg/L
1203737-001B	Raw Well	1 3/20/2012	Total Trihalomethanes	2 µg/L
1202965-003B	Raw Well	1 2/28/2012	Total Trihalomethanes	2 µg/L
1201739-001B	Raw Well	1 1/23/2012	Total Trihalomethanes	2 µg/L
1212750-001B	Raw Well	1 12/13/2012	trans-1,2-Dichloroethene	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	trans-1,2-Dichloroethene	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	trans-1,2-Dichloroethene	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	trans-1,2-Dichloroethene	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	trans-1,2-Dichloroethene	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	trans-1,2-Dichloroethene	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	trans-1,2-Dichloroethene	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	trans-1,2-Dichloroethene	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	trans-1,2-Dichloroethene	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	trans-1,2-Dichloroethene	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	trans-1,2-Dichloroethene	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	trans-1,2-Dichloroethene	0.5 µg/L
1212750-001B	Raw Well	1 12/13/2012	trans-1,3-Dichloropropene	0.5 µg/L
1211054-001B	Raw Well	1 11/1/2012	trans-1,3-Dichloropropene	0.5 µg/L
1210265-001B	Raw Well	1 10/3/2012	trans-1,3-Dichloropropene	0.5 µg/L
1209642-001B	Raw Well	1 9/13/2012	trans-1,3-Dichloropropene	0.5 µg/L
1208B75-001B	Raw Well	1 8/22/2012	trans-1,3-Dichloropropene	0.5 µg/L
1207B87-001B	Raw Well	1 7/24/2012	trans-1,3-Dichloropropene	0.5 µg/L
1206502-001B	Raw Well	1 6/12/2012	trans-1,3-Dichloropropene	0.5 µg/L
1205635-003B	Raw Well	1 5/14/2012	trans-1,3-Dichloropropene	0.5 µg/L
1204807-001B	Raw Well	1 4/18/2012	trans-1,3-Dichloropropene	0.5 µg/L
1203737-001B	Raw Well	1 3/20/2012	trans-1,3-Dichloropropene	0.5 µg/L
1202965-003B	Raw Well	1 2/28/2012	trans-1,3-Dichloropropene	0.5 µg/L
1201739-001B	Raw Well	1 1/23/2012	trans-1,3-Dichloropropene	0.5 µg/L

1209642-001B	Well 20	Raw Well	1	9/13/2012	Trichloroethene	0.9 µg/L
1212750-001B	Well 20	Raw Well	1	12/13/2012	Trichloroethene	1 µg/L
1211054-001B	Well 20	Raw Well	1	11/1/2012	Trichloroethene	1 µg/L
1210265-001B	Well 20	Raw Well	1	10/3/2012	Trichloroethene	1 µg/L
1204807-001B	Well 20	Raw Well	1	4/18/2012	Trichloroethene	1 µg/L
1205635-003B	Well 20	Raw Well	1	5/14/2012	Trichloroethene	1.1 µg/L
1202965-003B	Well 20	Raw Well	1	2/28/2012	Trichloroethene	1.1 µg/L
1208B75-001B	Well 20	Raw Well	1	8/22/2012	Trichloroethene	1.2 µg/L
1206502-001B	Well 20	Raw Well	1	6/12/2012	Trichloroethene	1.2 µg/L
1203737-001B	Well 20	Raw Well	1	3/20/2012	Trichloroethene	1.2 µg/L
1201739-001B	Well 20	Raw Well	1	1/23/2012	Trichloroethene	1.3 µg/L
1207B87-001B	Well 20	Raw Well	1	7/24/2012	Trichloroethene	1.4 µg/L
1212750-001B	Well 20	Raw Well	1	12/13/2012	Trichlorofluoromethane	0.5 µg/L
1211054-001B	Well 20	Raw Well	1	11/1/2012	Trichlorofluoromethane	0.5 µg/L
1210265-001B	Well 20	Raw Well	1	10/3/2012	Trichlorofluoromethane	0.5 µg/L
1209642-001B	Well 20	Raw Well	1	9/13/2012	Trichlorofluoromethane	0.5 µg/L
1208B75-001B	Well 20	Raw Well	1	8/22/2012	Trichlorofluoromethane	0.5 µg/L
1207B87-001B	Well 20	Raw Well	1	7/24/2012	Trichlorofluoromethane	0.5 µg/L
1206502-001B	Well 20	Raw Well	1	6/12/2012	Trichlorofluoromethane	0.5 µg/L
1205635-003B	Well 20	Raw Well	1	5/14/2012	Trichlorofluoromethane	0.5 µg/L
1204807-001B	Well 20	Raw Well	1	4/18/2012	Trichlorofluoromethane	0.5 µg/L
1203737-001B	Well 20	Raw Well	1	3/20/2012	Trichlorofluoromethane	0.5 µg/L
1202965-003B	Well 20	Raw Well	1	2/28/2012	Trichlorofluoromethane	0.5 µg/L
1201739-001B	Well 20	Raw Well	1	1/23/2012	Trichlorofluoromethane	0.5 µg/L
1212750-001B	Well 20	Raw Well	1	12/13/2012	Vinyl chloride	0.5 µg/L
1211054-001B	Well 20	Raw Well	1	11/1/2012	Vinyl chloride	0.5 µg/L
1210265-001B	Well 20	Raw Well	1	10/3/2012	Vinyl chloride	0.5 µg/L
1209642-001B	Well 20	Raw Well	1	9/13/2012	Vinyl chloride	0.5 µg/L
1208B75-001B	Well 20	Raw Well	1	8/22/2012	Vinyl chloride	0.5 µg/L
1207B87-001B	Well 20	Raw Well	1	7/24/2012	Vinyl chloride	0.5 µg/L
1206502-001B	Well 20	Raw Well	1	6/12/2012	Vinyl chloride	0.5 µg/L
1205635-003B	Well 20	Raw Well	1	5/14/2012	Vinyl chloride	0.5 µg/L
1204807-001B	Well 20	Raw Well	1	4/18/2012	Vinyl chloride	0.5 µg/L
1203737-001B	Well 20	Raw Well	1	3/20/2012	Vinyl chloride	0.5 µg/L
1202965-003B	Well 20	Raw Well	1	2/28/2012	Vinyl chloride	0.5 µg/L
1201739-001B	Well 20	Raw Well	1	1/23/2012	Vinyl chloride	0.5 µg/L

SampleID	ClientSampleID	OriginTxt	Well Type	DateCollected	Analyte	Qualifier	Result	Units
1201362-003A	Well 20	Raw Well		1 1/11/2012	Alkalinity, Total (As CaCO3)		22.9	mg/L
1201362-003A	Well 20	Raw Well		1 1/11/2012	Chloride		44.2	mg/L
1201362-003A	Well 20	Raw Well		1 1/11/2012	Color	<		5 units
1201362-003A	Well 20	Raw Well		1 1/11/2012	Fluoride	<		0.1 mg/L
1201362-003A	Well 20	Raw Well		1 1/11/2012	LSI		3.55	SI
1201362-003A	Well 20	Raw Well		1 1/11/2012	MBAS	<		0.08 mg/L
1201362-003A	Well 20	Raw Well		1 1/11/2012	Nitrate as N		4.14	mg/L
1201362-003A	Well 20	Raw Well		1 1/11/2012	Nitrite as N	<		0.05 mg/L
1201362-003A	Well 20	Raw Well		1 1/11/2012	Nitrogen, Ammonia (As N)		0.43	mg/L
1201362-003A	Well 20	Raw Well		1 1/11/2012	Odor		0	units
1201362-003A	Well 20	Raw Well		1 1/11/2012	PH (FIELD)		5.4	pH Units
1201362-003A	Well 20	Raw Well		1 1/11/2012	pH Temperature		13	°C
1201362-003A	Well 20	Raw Well		1 1/11/2012	Sulfate		26.9	mg/L
1201362-003A	Well 20	Raw Well		1 1/11/2012	Total Dissolved Solids		176	mg/L
1201362-003A	Well 20	Raw Well		1 1/11/2012	Turbidity	<		1 NTU
1201362-003B	Well 20	Raw Well		1 1/11/2012	Antimony	<		0.4 ug/l
1201362-003B	Well 20	Raw Well		1 1/11/2012	Arsenic	<		1.4 ug/l
1201362-003B	Well 20	Raw Well		1 1/11/2012	Barium		0.01	mg/l
1201362-003B	Well 20	Raw Well		1 1/11/2012	Beryllium	<		0.3 ug/l
1201362-003B	Well 20	Raw Well		1 1/11/2012	Cadmium	<		1 ug/l
1201362-003B	Well 20	Raw Well		1 1/11/2012	Calcium		15.2	mg/L
1201362-003B	Well 20	Raw Well		1 1/11/2012	Chromium	<		0.007 mg/l
1201362-003B	Well 20	Raw Well		1 1/11/2012	Copper		0.02	mg/l
1201362-003B	Well 20	Raw Well		1 1/11/2012	Hardness, Calcium (As CaCO3)		38.0	mg/L
1201362-003B	Well 20	Raw Well		1 1/11/2012	Iron	<		0.02 mg/L
1201362-003B	Well 20	Raw Well		1 1/11/2012	Lead	<		1 ug/l
1201362-003B	Well 20	Raw Well		1 1/11/2012	Magnesium		7.45	mg/L
1201362-003B	Well 20	Raw Well		1 1/11/2012	Manganese	<		0.01 mg/L
1201362-003B	Well 20	Raw Well		1 1/11/2012	Mercury	<		0.2 ug/l
1201362-003B	Well 20	Raw Well		1 1/11/2012	Nickel		0	mg/l
1201362-003B	Well 20	Raw Well		1 1/11/2012	Selenium	<		2 ug/l
1201362-003B	Well 20	Raw Well		1 1/11/2012	Silver	<		0.01 mg/l
1201362-003B	Well 20	Raw Well		1 1/11/2012	Sodium		26.3	mg/L
1201362-003B	Well 20	Raw Well		1 1/11/2012	Thalium	<		0.3 ug/l
1201362-003B	Well 20	Raw Well		1 1/11/2012	Total Hardness (As CaCO3)		68.7	mg/L
1201362-003B	Well 20	Raw Well		1 1/11/2012	Zinc	<		0.02 mg/L
1201362-003C	Well 20	Raw Well		1 1/11/2012	Free Cyanide	<		10 µg/L
1204802-001A	Well 20	Raw Well		1 4/18/2012	Nitrate as N		3.84	mg/L
1208B82-001A	Well 20	Raw Well		1 8/22/2012	Nitrate as N		4.08	mg/L
1210920-001A	Well 20	Raw Well		1 10/16/2012	Nitrate as N		3.95	mg/L

SampleID	ClientSampleID	OriginTxt	Well Type	DateCollected	Analyte	Qualifier	Result	Units
1201736-001H	Well 20	Raw Well		1 1/23/2012	1,2-Dibromo-3-chloropropane	<		0.0100 µg/L
1201736-001H	Well 20	Raw Well		1 1/23/2012	1,2-Dibromoethane	<		0.0100 µg/L
1201736-001A	Well 20	Raw Well		1 1/23/2012	2,4,5-TP (Silvex)	<		0.1300 µg/L
1201736-001A	Well 20	Raw Well		1 1/23/2012	2,4-D	<		0.1000 µg/L
1201736-001E	Well 20	Raw Well		1 1/23/2012	3-Hydroxycarbofuran	<		1.0000 µg/L
1201736-001G	Well 20	Raw Well		1 1/23/2012	Alachlor	<		0.2000 µg/L
1201736-001E	Well 20	Raw Well		1 1/23/2012	Aldicarb	<		0.5000 µg/L
1201736-001E	Well 20	Raw Well		1 1/23/2012	Aldicarb sulfone	<		0.8000 µg/L
1201736-001E	Well 20	Raw Well		1 1/23/2012	Aldicarb sulfoxide	<		0.5000 µg/L
1201736-001G	Well 20	Raw Well		1 1/23/2012	Aldrin	<		0.0250 µg/L
1201736-001B	Well 20	Raw Well		1 1/23/2012	Atrazine	<		0.1000 µg/L
1201736-001B	Well 20	Raw Well		1 1/23/2012	Benzo(a)pyrene	<		0.1000 µg/L
1201736-001B	Well 20	Raw Well		1 1/23/2012	bis(2-Ethylhexyl)adipate	<		0.6000 µg/L
1201736-001B	Well 20	Raw Well		1 1/23/2012	Bis(2-ethylhexyl)phthalate	<		0.6000 µg/L
1201736-001B	Well 20	Raw Well		1 1/23/2012	Butachlor	<		1.0000 µg/L
1201736-001E	Well 20	Raw Well		1 1/23/2012	Carbaryl	<		1.0000 µg/L
1201736-001E	Well 20	Raw Well		1 1/23/2012	Carbofuran	<		0.9000 µg/L
1201736-001G	Well 20	Raw Well		1 1/23/2012	Chlordane	<		0.5000 µg/L
1201736-001A	Well 20	Raw Well		1 1/23/2012	Dalapon	<		0.7000 µg/L
1201736-001A	Well 20	Raw Well		1 1/23/2012	Dicamba	<		1.0000 µg/L
1201736-001G	Well 20	Raw Well		1 1/23/2012	Dieldrin	<		0.0500 µg/L
1201736-001A	Well 20	Raw Well		1 1/23/2012	Dinoseb	<		0.2000 µg/L
1201736-001I	Well 20	Raw Well		1 1/23/2012	Dioxin (See Attached)	<		5.0000 Pg/L
1201736-001D	Well 20	Raw Well		1 1/23/2012	Diquat	<		1.0000 µg/L
1201736-001C	Well 20	Raw Well		1 1/23/2012	Endothall	<		9.0000 ug/L
1201736-001G	Well 20	Raw Well		1 1/23/2012	Endrin	<		0.0100 µg/L
1201736-001F	Well 20	Raw Well		1 1/23/2012	Glyphosate	<		6.0000 µg/L
1201736-001G	Well 20	Raw Well		1 1/23/2012	Heptachlor	<		0.0250 µg/L
1201736-001G	Well 20	Raw Well		1 1/23/2012	Heptachlor epoxide	<		0.0200 µg/L
1201736-001G	Well 20	Raw Well		1 1/23/2012	Hexachlorobenzene	<		0.1000 µg/L
1201736-001G	Well 20	Raw Well		1 1/23/2012	Hexachlorocyclopentadiene	<		0.1000 µg/L
1201736-001G	Well 20	Raw Well		1 1/23/2012	Lindane	<		0.0200 µg/L
1201736-001E	Well 20	Raw Well		1 1/23/2012	Methomyl	<		1.0000 µg/L
1201736-001G	Well 20	Raw Well		1 1/23/2012	Methoxychlor	<		0.1000 µg/L
1201736-001E	Well 20	Raw Well		1 1/23/2012	Metolachlor	<		1.0000 µg/L
1201736-001B	Well 20	Raw Well		1 1/23/2012	Metribuzin	<		0.5000 µg/L
1201736-001E	Well 20	Raw Well		1 1/23/2012	Oxamyl	<		1.0000 µg/L
1201736-001A	Well 20	Raw Well		1 1/23/2012	Pentachlorophenol	<		0.0400 µg/L
1201736-001A	Well 20	Raw Well		1 1/23/2012	Picloram	<		0.1000 µg/L
1201736-001B	Well 20	Raw Well		1 1/23/2012	Propachlor	<		1.0000 µg/L
1201736-001B	Well 20	Raw Well		1 1/23/2012	Simazine	<		0.1000 µg/L
1201736-001G	Well 20	Raw Well		1 1/23/2012	Total PCBs	<		0.4000 µg/L
1201736-001G	Well 20	Raw Well		1 1/23/2012	Toxaphene	<		2.5000 µg/L

SampleID	ClientSampleID	OriginTxt	Well Type	DateCollected	Analyte	Qualifier	Result	Units
1602E16-001H	Well No. 20	Raw Well	1	2/18/2016	1,2-Dibromo-3-chloropropane	<		0.01 µg/L
1602E16-001H	Well No. 20	Raw Well	1	2/18/2016	1,2-Dibromoethane	<		0.01 µg/L
1602E16-001A	Well No. 20	Raw Well	1	2/18/2016	2,4,5-TP (Silvex)	<		0.13 µg/L
1602E16-001A	Well No. 20	Raw Well	1	2/18/2016	2,4-D	<		0.1 µg/L
1602E16-001E	Well No. 20	Raw Well	1	2/18/2016	3-Hydroxycarbofuran	<		1 µg/L
1602E16-001G	Well No. 20	Raw Well	1	2/18/2016	Alachlor	<		0.2 µg/L
1602E16-001E	Well No. 20	Raw Well	1	2/18/2016	Aldicarb	<		0.5 µg/L
1602E16-001E	Well No. 20	Raw Well	1	2/18/2016	Aldicarb sulfone	<		0.8 µg/L
1602E16-001E	Well No. 20	Raw Well	1	2/18/2016	Aldicarb sulfoxide	<		0.5 µg/L
1602E16-001G	Well No. 20	Raw Well	1	2/18/2016	Aldrin	<		0.025 µg/L
1602E16-001B	Well No. 20	Raw Well	1	2/18/2016	Atrazine	<		0.1 µg/L
1602E16-001B	Well No. 20	Raw Well	1	2/18/2016	Benzo(a)pyrene	<		0.1 µg/L
1602E16-001B	Well No. 20	Raw Well	1	2/18/2016	bis(2-Ethylhexyl)adipate	<		0.6 µg/L
1602E16-001B	Well No. 20	Raw Well	1	2/18/2016	Bis(2-ethylhexyl)phthalate	<		0.6 µg/L
1602E16-001B	Well No. 20	Raw Well	1	2/18/2016	Butachlor	<		1 µg/L
1602E16-001E	Well No. 20	Raw Well	1	2/18/2016	Carbaryl	<		1 µg/L
1602E16-001E	Well No. 20	Raw Well	1	2/18/2016	Carbofuran	<		0.9 µg/L
1602E16-001G	Well No. 20	Raw Well	1	2/18/2016	Chlordane	<		0.5 µg/L
1602E16-001A	Well No. 20	Raw Well	1	2/18/2016	Dalapon	<		0.7 µg/L
1602E16-001A	Well No. 20	Raw Well	1	2/18/2016	Dicamba	<		1 µg/L
1602E16-001G	Well No. 20	Raw Well	1	2/18/2016	Dieldrin	<		0.05 µg/L
1602E16-001A	Well No. 20	Raw Well	1	2/18/2016	Dinoseb	<		0.2 µg/L
1602E16-001I	Well No. 20	Raw Well	1	2/18/2016	Dioxin (See Attached)	<		5 Pg/L
1602E16-001D	Well No. 20	Raw Well	1	2/18/2016	Diquat	<		1 µg/L
1602E16-001C	Well No. 20	Raw Well	1	2/18/2016	Endothall	<		9 µg/L
1602E16-001G	Well No. 20	Raw Well	1	2/18/2016	Endrin	<		0.01 µg/L
1602E16-001F	Well No. 20	Raw Well	1	2/18/2016	Glyphosate	<		6 µg/L
1602E16-001G	Well No. 20	Raw Well	1	2/18/2016	Heptachlor	<		0.025 µg/L
1602E16-001G	Well No. 20	Raw Well	1	2/18/2016	Heptachlor epoxide	<		0.02 µg/L
1602E16-001G	Well No. 20	Raw Well	1	2/18/2016	Hexachlorobenzene	<		0.1 µg/L
1602E16-001G	Well No. 20	Raw Well	1	2/18/2016	Hexachlorocyclopentadiene	<		0.1 µg/L
1602E16-001G	Well No. 20	Raw Well	1	2/18/2016	Lindane	<		0.02 µg/L
1602E16-001E	Well No. 20	Raw Well	1	2/18/2016	Methomyl	<		1 µg/L
1602E16-001G	Well No. 20	Raw Well	1	2/18/2016	Methoxychlor	<		0.1 µg/L
1602E16-001B	Well No. 20	Raw Well	1	2/18/2016	Metolachlor	<		1 µg/L
1602E16-001B	Well No. 20	Raw Well	1	2/18/2016	Metribuzin	<		0.5 µg/L
1602E16-001E	Well No. 20	Raw Well	1	2/18/2016	Oxamyl	<		1 µg/L
1602E16-001G	Well No. 20	Raw Well	1	2/18/2016	PCB Screen	<		0.4 µg/L
1602E16-001A	Well No. 20	Raw Well	1	2/18/2016	Pentachlorophenol	<		0.04 µg/L
1602E16-001A	Well No. 20	Raw Well	1	2/18/2016	Picloram	<		0.1 µg/L
1602E16-001B	Well No. 20	Raw Well	1	2/18/2016	Propachlor	<		1 µg/L
1602E16-001B	Well No. 20	Raw Well	1	2/18/2016	Simazine	<		0.1 µg/L
1602E16-001G	Well No. 20	Raw Well	1	2/18/2016	Toxaphene	<		2.5 µg/L

SampleID	ClientSampleID	OriginTxt	Well Type	DateCollected	Analyte	Qualifier	Result	Units
1602459-001B	Well No. 20	Raw Well		2/4/2016	Antimony	<		0.4 ug/l
1602459-001B	Well No. 20	Raw Well		2/4/2016	Arsenic	<		1.4 ug/l
1602459-001B	Well No. 20	Raw Well		2/4/2016	Beryllium	<		0.3 ug/l
1602459-001B	Well No. 20	Raw Well		2/4/2016	Cadmium	<		1 ug/l
1602459-001B	Well No. 20	Raw Well		2/4/2016	Chromium	<		7 ug/l
1602459-001A	Well No. 20	Raw Well		2/4/2016	Color	<		5 units
1602459-001A	Well No. 20	Raw Well		2/4/2016	Fluoride	<		0.1 mg/L
1602459-001C	Well No. 20	Raw Well		2/4/2016	Free Cyanide	<		10 ug/L
1602459-001B	Well No. 20	Raw Well		2/4/2016	Iron	<		20 ug/L
1602459-001B	Well No. 20	Raw Well		2/4/2016	Lead	<		1 ug/l
1602459-001A	Well No. 20	Raw Well		2/4/2016	MBAS (as LAS Mol wt 320)	<		0.08 mg/L
1602459-001B	Well No. 20	Raw Well		2/4/2016	Mercury	<		0.2 ug/l
1602459-001A	Well No. 20	Raw Well		2/4/2016	Nitrite as N	<		0.05 mg/L
702044020	Well No. 20	Raw Well		10/13/2016	Nitrite as N	<		0.05 mg/L
1602459-001B	Well No. 20	Raw Well		2/4/2016	Selenium	<		2 ug/l
1602459-001B	Well No. 20	Raw Well		2/4/2016	Silver	<		10 ug/l
1602459-001B	Well No. 20	Raw Well		2/4/2016	Thallium	<		0.3 ug/l
1602459-001A	Well No. 20	Raw Well		2/4/2016	Turbidity	<		1 NTU
1602459-001B	Well No. 20	Raw Well		2/4/2016	Zinc	<		0.02 mg/L
1602459-001A	Well No. 20	Raw Well		2/4/2016	Alkalinity, Total (As CaCO3)		23.8	mg/L
1602459-001B	Well No. 20	Raw Well		2/4/2016	Barium		11	ug/l
1602459-001B	Well No. 20	Raw Well		2/4/2016	Calcium		14	mg/L
1602459-001A	Well No. 20	Raw Well		2/4/2016	Chloride		54.7	mg/L
1602459-001A	Well No. 20	Raw Well		2/4/2016	Color pH		6	units
1602459-001B	Well No. 20	Raw Well		2/4/2016	Copper		27	ug/l
1602459-001B	Well No. 20	Raw Well		2/4/2016	Hardness, Calcium (As CaCO3)		36.1	mg/L
1602459-001A	Well No. 20	Raw Well		2/4/2016	LSI		-2.96	SI
1602459-001B	Well No. 20	Raw Well		2/4/2016	Magnesium		7.5	mg/L
1602459-001B	Well No. 20	Raw Well		2/4/2016	Manganese		20	ug/L
1602459-001B	Well No. 20	Raw Well		2/4/2016	Nickel		0.99	ug/l
1607177-005A	Well No. 20	Raw Well		7/21/2016	Nitrate as N		3.26	mg/L
1604Q44-003A	Well No. 20	Raw Well		4/28/2016	Nitrate as N		3.36	mg/L
702044020	Well No. 20	Raw Well		10/13/2016	Nitrate as N		3.4	mg/L
1601E82-001A	Well No. 20	Raw Well		2/4/2016	Nitrate as N		3.64	mg/L
702044020	Well No. 20	Raw Well		1/21/2016	Nitrate as N		3.9	mg/L
1602459-001A	Well No. 20	Raw Well		10/13/2016	Nitrate-Nitrite (as N)		3.5	mg/L
1602459-001A	Well No. 20	Raw Well		2/4/2016	Nitrogen, Ammonia (As N)		0.43	mg/L
1602459-001A	Well No. 20	Raw Well		2/4/2016	Odor at 60°C		0	units
1602459-001A	Well No. 20	Raw Well		2/4/2016	PH (FIELD)		6	pH Units
1602459-001A	Well No. 20	Raw Well		2/4/2016	Temperature (Field)		15	°C
1602459-001B	Well No. 20	Raw Well		2/4/2016	Sodium		32	mg/L
1602459-001A	Well No. 20	Raw Well		2/4/2016	Sulfate		25.5	mg/L
1602459-001A	Well No. 20	Raw Well		2/4/2016	Total Dissolved Solids		146	mg/L
1602459-001B	Well No. 20	Raw Well		2/4/2016	Total Hardness (As CaCO3)		66.9	mg/L

SampleID	ClientSampleID	OriginTxt	Well Type	DateCollected	Analyte	Qualifier	Result	Units
1609068-003A	Well No. 20	Raw Well		9/1/2016	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1608543-003A	Well No. 20	Raw Well		8/4/2016	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1607508-005A	Well No. 20	Raw Well		7/7/2016	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1606916-003A	Well No. 20	Raw Well		6/9/2016	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1605B63-003A	Well No. 20	Raw Well		5/12/2016	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1604E30-001A	Well No. 20	Raw Well		4/14/2016	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1603350-001A	Well No. 20	Raw Well		3/3/2016	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1602456-001A	Well No. 20	Raw Well		2/4/2016	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
1601398-003A	Well No. 20	Raw Well		1/7/2016	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
702044013	Well No. 20	Raw Well		10/13/2016	1,1,1,2-Tetrachloroethane	<		0.5 ug/L
704313003	Well No. 20	Raw Well		11/10/2016	1,1,1,2-Tetrachloroethane	<		0.5 µg/L
706436003	Well No. 20	Raw Well		12/8/2016	1,1,1,2-Tetrachloroethane	<		0.5 ug/L
1609068-003A	Well No. 20	Raw Well		9/1/2016	1,1,1-Trichloroethane	<		0.5 µg/L
1608543-003A	Well No. 20	Raw Well		8/4/2016	1,1,1-Trichloroethane	<		0.5 µg/L
1607508-005A	Well No. 20	Raw Well		7/7/2016	1,1,1-Trichloroethane	<		0.5 µg/L
1606916-003A	Well No. 20	Raw Well		6/9/2016	1,1,1-Trichloroethane	<		0.5 µg/L
1605B63-003A	Well No. 20	Raw Well		5/12/2016	1,1,1-Trichloroethane	<		0.5 µg/L
1604E30-001A	Well No. 20	Raw Well		4/14/2016	1,1,1-Trichloroethane	<		0.5 µg/L
1603350-001A	Well No. 20	Raw Well		3/3/2016	1,1,1-Trichloroethane	<		0.5 µg/L
1602456-001A	Well No. 20	Raw Well		2/4/2016	1,1,1-Trichloroethane	<		0.5 µg/L
1601398-003A	Well No. 20	Raw Well		1/7/2016	1,1,1-Trichloroethane	<		0.5 ug/L
702044013	Well No. 20	Raw Well		10/13/2016	1,1,1-Trichloroethane	<		0.5 ug/L
704313003	Well No. 20	Raw Well		11/10/2016	1,1,1-Trichloroethane	<		0.5 ug/L
706436003	Well No. 20	Raw Well		12/8/2016	1,1,1-Trichloroethane	<		0.5 ug/L
1609068-003A	Well No. 20	Raw Well		9/1/2016	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1608543-003A	Well No. 20	Raw Well		8/4/2016	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1607508-005A	Well No. 20	Raw Well		7/7/2016	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1606916-003A	Well No. 20	Raw Well		6/9/2016	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1605B63-003A	Well No. 20	Raw Well		5/12/2016	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1604E30-001A	Well No. 20	Raw Well		4/14/2016	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1603350-001A	Well No. 20	Raw Well		3/3/2016	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1602456-001A	Well No. 20	Raw Well		2/4/2016	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
1601398-003A	Well No. 20	Raw Well		1/7/2016	1,1,2,2-Tetrachloroethane	<		0.5 µg/L
702044013	Well No. 20	Raw Well		10/13/2016	1,1,2,2-Tetrachloroethane	<		0.5 ug/L
704313003	Well No. 20	Raw Well		11/10/2016	1,1,2,2-Tetrachloroethane	<		0.5 ug/L
706436003	Well No. 20	Raw Well		12/8/2016	1,1,2,2-Tetrachloroethane	<		0.5 ug/L
1609068-003A	Well No. 20	Raw Well		9/1/2016	1,1,2-Trichloroethane	<		0.5 µg/L
1608543-003A	Well No. 20	Raw Well		8/4/2016	1,1,2-Trichloroethane	<		0.5 µg/L
1607508-005A	Well No. 20	Raw Well		7/7/2016	1,1,2-Trichloroethane	<		0.5 µg/L
1606916-003A	Well No. 20	Raw Well		6/9/2016	1,1,2-Trichloroethane	<		0.5 µg/L
1605B63-003A	Well No. 20	Raw Well		5/12/2016	1,1,2-Trichloroethane	<		0.5 µg/L
1604E30-001A	Well No. 20	Raw Well		4/14/2016	1,1,2-Trichloroethane	<		0.5 µg/L
1603350-001A	Well No. 20	Raw Well		3/3/2016	1,1,2-Trichloroethane	<		0.5 µg/L
1602456-001A	Well No. 20	Raw Well		2/4/2016	1,1,2-Trichloroethane	<		0.5 µg/L
1601398-003A	Well No. 20	Raw Well		1/7/2016	1,1,2-Trichloroethane	<		0.5 µg/L
702044013	Well No. 20	Raw Well		10/13/2016	1,1,2-Trichloroethane	<		0.5 ug/L
704313003	Well No. 20	Raw Well		11/10/2016	1,1,2-Trichloroethane	<		0.5 ug/L
706436003	Well No. 20	Raw Well		12/8/2016	1,1,2-Trichloroethane	<		0.5 ug/L

1607508-005A	Well No. 20	Raw Well	1	7/7/2016	1,2,3-Trichloropropane	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	1,2,3-Trichloropropane	<	0.5 µg/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	1,2,3-Trichloropropane	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	1,2,3-Trichloropropane	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	1,2,3-Trichloropropane	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	1,2,3-Trichloropropane	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	1,2,3-Trichloropropane	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	10/13/2016	1,2,3-Trichloropropane	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	1,2,3-Trichloropropane	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	1,2,3-Trichloropropane	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	1,2,4-Trichlorobenzene	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	1,2,4-Trichlorobenzene	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	1,2,4-Trichlorobenzene	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	1,2,4-Trichlorobenzene	<	0.5 µg/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	1,2,4-Trichlorobenzene	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	1,2,4-Trichlorobenzene	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	1,2,4-Trichlorobenzene	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	1,2,4-Trichlorobenzene	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	1,2,4-Trichlorobenzene	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	10/13/2016	1,2,4-Trimethylbenzene	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	1,2,4-Trimethylbenzene	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	1,2,4-Trimethylbenzene	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	1,2,4-Trimethylbenzene	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	1,2,4-Trimethylbenzene	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	1,2,4-Trimethylbenzene	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	1,2,4-Trimethylbenzene	<	0.5 µg/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	1,2,4-Trimethylbenzene	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	1,2,4-Trimethylbenzene	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	1,2,4-Trimethylbenzene	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	1,2,4-Trimethylbenzene	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	1,2,4-Trimethylbenzene	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	10/13/2016	1,2,4-Trimethylbenzene	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	1,2,4-Trimethylbenzene	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	1,2,4-Trimethylbenzene	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	1,2-Dichlorobenzene	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	1,2-Dichlorobenzene	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	1,2-Dichlorobenzene	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	1,2-Dichlorobenzene	<	0.5 µg/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	1,2-Dichlorobenzene	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	1,2-Dichlorobenzene	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	1,2-Dichlorobenzene	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	1,2-Dichlorobenzene	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	1,2-Dichlorobenzene	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	10/13/2016	1,2-Dichlorobenzene	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	1,2-Dichlorobenzene	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	1,2-Dichlorobenzene	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	1,2-Dichloroethane	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	1,2-Dichloroethane	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	1,2-Dichloroethane	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	1,2-Dichloroethane	<	0.5 µg/L

1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	1,2-Dichloroethane	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	1,2-Dichloroethane	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	1,2-Dichloroethane	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	1,2-Dichloroethane	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	1,2-Dichloroethane	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	10/13/2016	1,2-Dichloroethane	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	1,2-Dichloroethane	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	1,2-Dichloroethane	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	1,2-Dichloropropane	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	1,2-Dichloropropane	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	1,2-Dichloropropane	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	1,2-Dichloropropane	<	0.5 µg/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	1,2-Dichloropropane	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	1,2-Dichloropropane	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	1,2-Dichloropropane	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	1,2-Dichloropropane	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	1,2-Dichloropropane	<	0.5 ug/L
702044013	Well No. 20	Raw Well	1	10/13/2016	1,2-Dichloropropane	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	1,2-Dichloropropane	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	1,2-Dichloropropane	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	1,3,5-Trimethylbenzene	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	1,3,5-Trimethylbenzene	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	1,3,5-Trimethylbenzene	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	1,3,5-Trimethylbenzene	<	0.5 µg/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	1,3,5-Trimethylbenzene	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	1,3,5-Trimethylbenzene	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	1,3,5-Trimethylbenzene	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	1,3,5-Trimethylbenzene	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	1,3,5-Trimethylbenzene	<	0.5 ug/L
702044013	Well No. 20	Raw Well	1	10/13/2016	1,3,5-Trimethylbenzene	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	1,3,5-Trimethylbenzene	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	1,3,5-Trimethylbenzene	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	1,3-Dichlorobenzene	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	1,3-Dichlorobenzene	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	1,3-Dichlorobenzene	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	1,3-Dichlorobenzene	<	0.5 µg/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	1,3-Dichlorobenzene	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	1,3-Dichlorobenzene	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	1,3-Dichlorobenzene	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	1,3-Dichlorobenzene	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	1,3-Dichlorobenzene	<	0.5 ug/L
702044013	Well No. 20	Raw Well	1	10/13/2016	1,3-Dichlorobenzene	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	1,3-Dichlorobenzene	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	1,3-Dichlorobenzene	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	1,3-Dichloropropane	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	1,3-Dichloropropane	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	1,3-Dichloropropane	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	1,3-Dichloropropane	<	0.5 µg/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	1,3-Dichloropropane	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	1,3-Dichloropropane	<	0.5 µg/L

1603350-001A	Raw Well	Well No. 20	1	3/3/2016	1,3-Dichloropropane	<	0.5 µg/L
1602456-001A	Raw Well	Well No. 20	1	2/4/2016	1,3-Dichloropropane	<	0.5 µg/L
1601398-003A	Raw Well	Well No. 20	1	1/7/2016	1,3-Dichloropropane	<	0.5 µg/L
702044013	Raw Well	Well No. 20	1	10/13/2016	1,3-Dichloropropane	<	0.5 ug/L
704313003	Raw Well	Well No. 20	1	11/10/2016	1,3-Dichloropropane	<	0.5 ug/L
706436003	Raw Well	Well No. 20	1	12/8/2016	1,3-Dichloropropane	<	0.5 ug/L
1609068-003A	Raw Well	Well No. 20	1	9/1/2016	1,4-Dichlorobenzene	<	0.5 µg/L
1608543-003A	Raw Well	Well No. 20	1	8/4/2016	1,4-Dichlorobenzene	<	0.5 µg/L
1607508-005A	Raw Well	Well No. 20	1	7/7/2016	1,4-Dichlorobenzene	<	0.5 µg/L
1606916-003A	Raw Well	Well No. 20	1	6/9/2016	1,4-Dichlorobenzene	<	0.5 µg/L
1605B63-003A	Raw Well	Well No. 20	1	5/12/2016	1,4-Dichlorobenzene	<	0.5 µg/L
1604E30-001A	Raw Well	Well No. 20	1	4/14/2016	1,4-Dichlorobenzene	<	0.5 µg/L
1603350-001A	Raw Well	Well No. 20	1	3/3/2016	1,4-Dichlorobenzene	<	0.5 µg/L
1602456-001A	Raw Well	Well No. 20	1	2/4/2016	1,4-Dichlorobenzene	<	0.5 µg/L
1601398-003A	Raw Well	Well No. 20	1	1/7/2016	1,4-Dichlorobenzene	<	0.5 µg/L
702044013	Raw Well	Well No. 20	1	10/13/2016	1,4-Dichlorobenzene	<	0.5 ug/L
704313003	Raw Well	Well No. 20	1	11/10/2016	1,4-Dichlorobenzene	<	0.5 ug/L
706436003	Raw Well	Well No. 20	1	12/8/2016	1,4-Dichlorobenzene	<	0.5 ug/L
1609068-003A	Raw Well	Well No. 20	1	9/1/2016	2,2-Dichloropropane	<	0.5 µg/L
1608543-003A	Raw Well	Well No. 20	1	8/4/2016	2,2-Dichloropropane	<	0.5 µg/L
1607508-005A	Raw Well	Well No. 20	1	7/7/2016	2,2-Dichloropropane	<	0.5 µg/L
1606916-003A	Raw Well	Well No. 20	1	6/9/2016	2,2-Dichloropropane	<	0.5 µg/L
1605B63-003A	Raw Well	Well No. 20	1	5/12/2016	2,2-Dichloropropane	<	0.5 µg/L
1604E30-001A	Raw Well	Well No. 20	1	4/14/2016	2,2-Dichloropropane	<	0.5 µg/L
1603350-001A	Raw Well	Well No. 20	1	3/3/2016	2,2-Dichloropropane	<	0.5 µg/L
1602456-001A	Raw Well	Well No. 20	1	2/4/2016	2,2-Dichloropropane	<	0.5 µg/L
1601398-003A	Raw Well	Well No. 20	1	1/7/2016	2,2-Dichloropropane	<	0.5 µg/L
702044013	Raw Well	Well No. 20	1	10/13/2016	2,2-Dichloropropane	<	0.5 ug/L
704313003	Raw Well	Well No. 20	1	11/10/2016	2,2-Dichloropropane	<	0.5 ug/L
706436003	Raw Well	Well No. 20	1	12/8/2016	2,2-Dichloropropane	<	0.5 ug/L
1609068-003A	Raw Well	Well No. 20	1	9/1/2016	2/4-Chlorotoluene	<	0.5 µg/L
1608543-003A	Raw Well	Well No. 20	1	8/4/2016	2/4-Chlorotoluene	<	0.5 µg/L
1607508-005A	Raw Well	Well No. 20	1	7/7/2016	2/4-Chlorotoluene	<	0.5 µg/L
1606916-003A	Raw Well	Well No. 20	1	6/9/2016	2/4-Chlorotoluene	<	0.5 µg/L
1605B63-003A	Raw Well	Well No. 20	1	5/12/2016	2/4-Chlorotoluene	<	0.5 µg/L
1604E30-001A	Raw Well	Well No. 20	1	4/14/2016	2/4-Chlorotoluene	<	0.5 µg/L
1603350-001A	Raw Well	Well No. 20	1	3/3/2016	2/4-Chlorotoluene	<	0.5 µg/L
1602456-001A	Raw Well	Well No. 20	1	2/4/2016	2/4-Chlorotoluene	<	0.5 µg/L
1601398-003A	Raw Well	Well No. 20	1	1/7/2016	2/4-Chlorotoluene	<	0.5 µg/L
702044013	Raw Well	Well No. 20	1	10/13/2016	2-Chlorotoluene	<	0.5 ug/L
704313003	Raw Well	Well No. 20	1	11/10/2016	2-Chlorotoluene	<	0.5 ug/L
706436003	Raw Well	Well No. 20	1	12/8/2016	2-Chlorotoluene	<	0.5 ug/L
1609068-003A	Raw Well	Well No. 20	1	9/1/2016	4-Chlorotoluene	<	0.5 ug/L
1608543-003A	Raw Well	Well No. 20	1	8/4/2016	4-Chlorotoluene	<	0.5 ug/L
1607508-005A	Raw Well	Well No. 20	1	7/7/2016	4-Isopropyltoluene	<	0.5 µg/L
1606916-003A	Raw Well	Well No. 20	1	6/9/2016	4-Isopropyltoluene	<	0.5 µg/L
1605B63-003A	Raw Well	Well No. 20	1	5/12/2016	4-Isopropyltoluene	<	0.5 µg/L

1604E30-001A	Raw Well	1	4/14/2016	4-Isopropyltoluene	<	0.5 µg/L
1603350-001A	Raw Well	1	3/3/2016	4-Isopropyltoluene	<	0.5 µg/L
1602456-001A	Raw Well	1	2/4/2016	4-Isopropyltoluene	<	0.5 µg/L
1601398-003A	Raw Well	1	1/7/2016	4-Isopropyltoluene	<	0.5 µg/L
1609068-003A	Raw Well	1	9/1/2016	Benzene	<	0.5 µg/L
1608543-003A	Raw Well	1	8/4/2016	Benzene	<	0.5 µg/L
1607508-005A	Raw Well	1	7/7/2016	Benzene	<	0.5 µg/L
1606916-003A	Raw Well	1	6/9/2016	Benzene	<	0.5 µg/L
1605B63-003A	Raw Well	1	5/12/2016	Benzene	<	0.5 µg/L
1604E30-001A	Raw Well	1	4/14/2016	Benzene	<	0.5 µg/L
1603350-001A	Raw Well	1	3/3/2016	Benzene	<	0.5 µg/L
1602456-001A	Raw Well	1	2/4/2016	Benzene	<	0.5 µg/L
1601398-003A	Raw Well	1	1/7/2016	Benzene	<	0.5 µg/L
702044013	Raw Well	1	10/13/2016	Benzene	<	0.5 ug/L
704313003	Raw Well	1	11/10/2016	Benzene	<	0.5 ug/L
706436003	Raw Well	1	12/8/2016	Benzene	<	0.5 ug/L
1609068-003A	Raw Well	1	9/1/2016	Bromobenzene	<	0.5 µg/L
1608543-003A	Raw Well	1	8/4/2016	Bromobenzene	<	0.5 µg/L
1607508-005A	Raw Well	1	7/7/2016	Bromobenzene	<	0.5 µg/L
1606916-003A	Raw Well	1	6/9/2016	Bromobenzene	<	0.5 µg/L
1605B63-003A	Raw Well	1	5/12/2016	Bromobenzene	<	0.5 µg/L
1604E30-001A	Raw Well	1	4/14/2016	Bromobenzene	<	0.5 µg/L
1603350-001A	Raw Well	1	3/3/2016	Bromobenzene	<	0.5 µg/L
1602456-001A	Raw Well	1	2/4/2016	Bromobenzene	<	0.5 µg/L
1601398-003A	Raw Well	1	1/7/2016	Bromobenzene	<	0.5 µg/L
702044013	Raw Well	1	10/13/2016	Bromobenzene	<	0.5 ug/L
704313003	Raw Well	1	11/10/2016	Bromobenzene	<	0.5 ug/L
706436003	Raw Well	1	12/8/2016	Bromobenzene	<	0.5 ug/L
1609068-003A	Raw Well	1	9/1/2016	Bromochloromethane	<	0.5 µg/L
1608543-003A	Raw Well	1	8/4/2016	Bromochloromethane	<	0.5 µg/L
1607508-005A	Raw Well	1	7/7/2016	Bromochloromethane	<	0.5 µg/L
1606916-003A	Raw Well	1	6/9/2016	Bromochloromethane	<	0.5 µg/L
1605B63-003A	Raw Well	1	5/12/2016	Bromochloromethane	<	0.5 µg/L
1604E30-001A	Raw Well	1	4/14/2016	Bromochloromethane	<	0.5 µg/L
1603350-001A	Raw Well	1	3/3/2016	Bromochloromethane	<	0.5 µg/L
1602456-001A	Raw Well	1	2/4/2016	Bromochloromethane	<	0.5 µg/L
1601398-003A	Raw Well	1	1/7/2016	Bromochloromethane	<	0.5 µg/L
702044013	Raw Well	1	10/13/2016	Bromochloromethane	<	0.5 ug/L
704313003	Raw Well	1	11/10/2016	Bromochloromethane	<	0.5 ug/L
706436003	Raw Well	1	12/8/2016	Bromochloromethane	<	0.5 ug/L
1609068-003A	Raw Well	1	9/1/2016	Bromodichloromethane	<	0.5 µg/L
1608543-003A	Raw Well	1	8/4/2016	Bromodichloromethane	<	0.5 µg/L
1607508-005A	Raw Well	1	7/7/2016	Bromodichloromethane	<	0.5 µg/L
1606916-003A	Raw Well	1	6/9/2016	Bromodichloromethane	<	0.5 µg/L
1605B63-003A	Raw Well	1	5/12/2016	Bromodichloromethane	<	0.5 µg/L
1604E30-001A	Raw Well	1	4/14/2016	Bromodichloromethane	<	0.5 µg/L
1603350-001A	Raw Well	1	3/3/2016	Bromodichloromethane	<	0.5 µg/L
1602456-001A	Raw Well	1	2/4/2016	Bromodichloromethane	<	0.5 µg/L
1601398-003A	Raw Well	1	1/7/2016	Bromodichloromethane	<	0.5 µg/L
702044013	Raw Well	1	10/13/2016	Bromodichloromethane	<	0.5 ug/L

704313003	Well No. 20	Raw Well	1	11/10/2016	Bromodichloromethane	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	Bromodichloromethane	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	Bromoform	<	0.5 ug/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	Bromoform	<	0.5 ug/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	Bromoform	<	0.5 ug/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	Bromoform	<	0.5 ug/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	Bromoform	<	0.5 ug/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	Bromoform	<	0.5 ug/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	Bromoform	<	0.5 ug/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	Bromoform	<	0.5 ug/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	Bromoform	<	0.5 ug/L
702044013	Well No. 20	Raw Well	1	10/13/2016	Bromoform	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	Bromoform	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	Bromoform	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	Bromomethane	<	0.5 ug/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	Bromomethane	<	0.5 ug/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	Bromomethane	<	0.5 ug/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	Bromomethane	<	0.5 ug/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	Bromomethane	<	0.5 ug/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	Bromomethane	<	0.5 ug/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	Bromomethane	<	0.5 ug/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	Bromomethane	<	0.5 ug/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	Bromomethane	<	0.5 ug/L
702044013	Well No. 20	Raw Well	1	10/13/2016	Bromomethane	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	Bromomethane	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	Bromomethane	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	Carbon tetrachloride	<	0.5 ug/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	Carbon tetrachloride	<	0.5 ug/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	Carbon tetrachloride	<	0.5 ug/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	Carbon tetrachloride	<	0.5 ug/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	Carbon tetrachloride	<	0.5 ug/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	Carbon tetrachloride	<	0.5 ug/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	Carbon tetrachloride	<	0.5 ug/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	Carbon tetrachloride	<	0.5 ug/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	Carbon tetrachloride	<	0.5 ug/L
702044013	Well No. 20	Raw Well	1	10/13/2016	Carbon tetrachloride	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	Carbon tetrachloride	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	Carbon tetrachloride	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	Chlorobenzene	<	0.5 ug/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	Chlorobenzene	<	0.5 ug/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	Chlorobenzene	<	0.5 ug/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	Chlorobenzene	<	0.5 ug/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	Chlorobenzene	<	0.5 ug/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	Chlorobenzene	<	0.5 ug/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	Chlorobenzene	<	0.5 ug/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	Chlorobenzene	<	0.5 ug/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	Chlorobenzene	<	0.5 ug/L
702044013	Well No. 20	Raw Well	1	10/13/2016	Chlorobenzene	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	Chlorobenzene	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	Chlorobenzene	<	0.5 ug/L

1609068-003A	Raw Well	Well No. 20	1	9/1/2016	Chloroethane	<	0.5 µg/L
1608543-003A	Raw Well	Well No. 20	1	8/4/2016	Chloroethane	<	0.5 µg/L
1607508-005A	Raw Well	Well No. 20	1	7/7/2016	Chloroethane	<	0.5 µg/L
1606916-003A	Raw Well	Well No. 20	1	6/9/2016	Chloroethane	<	0.5 µg/L
1605B63-003A	Raw Well	Well No. 20	1	5/12/2016	Chloroethane	<	0.5 µg/L
1604E30-001A	Raw Well	Well No. 20	1	4/14/2016	Chloroethane	<	0.5 µg/L
1603350-001A	Raw Well	Well No. 20	1	3/3/2016	Chloroethane	<	0.5 µg/L
1602456-001A	Raw Well	Well No. 20	1	2/4/2016	Chloroethane	<	0.5 µg/L
1601398-003A	Raw Well	Well No. 20	1	1/7/2016	Chloroethane	<	0.5 µg/L
702044013	Raw Well	Well No. 20	1	10/13/2016	Chloroethane	<	0.5 ug/L
704313003	Raw Well	Well No. 20	1	11/10/2016	Chloroethane	<	0.5 ug/L
706436003	Raw Well	Well No. 20	1	12/8/2016	Chloroethane	<	0.5 ug/L
1609068-003A	Raw Well	Well No. 20	1	9/1/2016	Chloroform	<	0.5 µg/L
1608543-003A	Raw Well	Well No. 20	1	8/4/2016	Chloroform	<	0.5 µg/L
1607508-005A	Raw Well	Well No. 20	1	7/7/2016	Chloroform	<	0.5 µg/L
1606916-003A	Raw Well	Well No. 20	1	6/9/2016	Chloroform	<	0.5 µg/L
1605B63-003A	Raw Well	Well No. 20	1	5/12/2016	Chloroform	<	0.5 µg/L
1604E30-001A	Raw Well	Well No. 20	1	4/14/2016	Chloroform	<	0.5 µg/L
1603350-001A	Raw Well	Well No. 20	1	3/3/2016	Chloroform	<	0.5 µg/L
1602456-001A	Raw Well	Well No. 20	1	2/4/2016	Chloroform	<	0.5 µg/L
1601398-003A	Raw Well	Well No. 20	1	1/7/2016	Chloroform	<	0.5 µg/L
702044013	Raw Well	Well No. 20	1	10/13/2016	Chloroform	<	0.5 ug/L
704313003	Raw Well	Well No. 20	1	11/10/2016	Chloroform	<	0.5 ug/L
706436003	Raw Well	Well No. 20	1	12/8/2016	Chloroform	<	0.5 ug/L
1609068-003A	Raw Well	Well No. 20	1	9/1/2016	Chloromethane	<	0.5 µg/L
1608543-003A	Raw Well	Well No. 20	1	8/4/2016	Chloromethane	<	0.5 µg/L
1607508-005A	Raw Well	Well No. 20	1	7/7/2016	Chloromethane	<	0.5 µg/L
1606916-003A	Raw Well	Well No. 20	1	6/9/2016	Chloromethane	<	0.5 µg/L
1605B63-003A	Raw Well	Well No. 20	1	5/12/2016	Chloromethane	<	0.5 µg/L
1604E30-001A	Raw Well	Well No. 20	1	4/14/2016	Chloromethane	<	0.5 µg/L
1603350-001A	Raw Well	Well No. 20	1	3/3/2016	Chloromethane	<	0.5 µg/L
1602456-001A	Raw Well	Well No. 20	1	2/4/2016	Chloromethane	<	0.5 µg/L
1601398-003A	Raw Well	Well No. 20	1	1/7/2016	Chloromethane	<	0.5 µg/L
702044013	Raw Well	Well No. 20	1	10/13/2016	Chloromethane	<	0.5 ug/L
704313003	Raw Well	Well No. 20	1	11/10/2016	Chloromethane	<	0.5 ug/L
706436003	Raw Well	Well No. 20	1	12/8/2016	Chloromethane	<	0.5 ug/L
1609068-003A	Raw Well	Well No. 20	1	9/1/2016	cis-1,2-Dichloroethene	<	0.5 ug/L
1608543-003A	Raw Well	Well No. 20	1	8/4/2016	cis-1,2-Dichloroethene	<	0.5 µg/L
1607508-005A	Raw Well	Well No. 20	1	7/7/2016	cis-1,2-Dichloroethene	<	0.5 µg/L
1606916-003A	Raw Well	Well No. 20	1	6/9/2016	cis-1,2-Dichloroethene	<	0.5 µg/L
1605B63-003A	Raw Well	Well No. 20	1	5/12/2016	cis-1,2-Dichloroethene	<	0.5 µg/L
1604E30-001A	Raw Well	Well No. 20	1	4/14/2016	cis-1,2-Dichloroethene	<	0.5 µg/L
1603350-001A	Raw Well	Well No. 20	1	3/3/2016	cis-1,2-Dichloroethene	<	0.5 µg/L
1602456-001A	Raw Well	Well No. 20	1	2/4/2016	cis-1,2-Dichloroethene	<	0.5 µg/L
1601398-003A	Raw Well	Well No. 20	1	1/7/2016	cis-1,2-Dichloroethene	<	0.5 µg/L
702044013	Raw Well	Well No. 20	1	10/13/2016	cis-1,2-Dichloroethene	<	0.5 ug/L
704313003	Raw Well	Well No. 20	1	11/10/2016	cis-1,2-Dichloroethene	<	0.5 ug/L
706436003	Raw Well	Well No. 20	1	12/8/2016	cis-1,2-Dichloroethene	<	0.5 ug/L
1609068-003A	Raw Well	Well No. 20	1	9/1/2016	cis-1,3-Dichloropropene	<	0.5 µg/L
1608543-003A	Raw Well	Well No. 20	1	8/4/2016	cis-1,3-Dichloropropene	<	0.5 µg/L

1607508-005A	Well No. 20	Raw Well	1	7/7/2016	cis-1,3-Dichloropropene	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	cis-1,3-Dichloropropene	<	0.5 µg/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	cis-1,3-Dichloropropene	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	cis-1,3-Dichloropropene	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	cis-1,3-Dichloropropene	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	cis-1,3-Dichloropropene	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	cis-1,3-Dichloropropene	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	10/13/2016	cis-1,3-Dichloropropene	<	0.5 µg/L
704313003	Well No. 20	Raw Well	1	11/10/2016	cis-1,3-Dichloropropene	<	0.5 µg/L
706436003	Well No. 20	Raw Well	1	12/8/2016	cis-1,3-Dichloropropene	<	0.5 µg/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	Dibromochloromethane	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	Dibromochloromethane	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	Dibromochloromethane	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	Dibromochloromethane	<	0.5 µg/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	Dibromochloromethane	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	Dibromochloromethane	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	Dibromochloromethane	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	Dibromochloromethane	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	Dibromochloromethane	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	10/13/2016	Dibromochloromethane	<	0.5 µg/L
704313003	Well No. 20	Raw Well	1	11/10/2016	Dibromochloromethane	<	0.5 µg/L
706436003	Well No. 20	Raw Well	1	12/8/2016	Dibromochloromethane	<	0.5 µg/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	Dibromomethane	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	Dibromomethane	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	Dibromomethane	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	Dibromomethane	<	0.5 µg/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	Dibromomethane	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	Dibromomethane	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	Dibromomethane	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	Dibromomethane	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	Dibromomethane	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	10/13/2016	Dibromomethane	<	0.5 µg/L
704313003	Well No. 20	Raw Well	1	11/10/2016	Dibromomethane	<	0.5 µg/L
706436003	Well No. 20	Raw Well	1	12/8/2016	Dibromomethane	<	0.5 µg/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	Dichlorodifluoromethane	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	Dichlorodifluoromethane	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	Dichlorodifluoromethane	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	Dichlorodifluoromethane	<	0.5 µg/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	Dichlorodifluoromethane	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	Dichlorodifluoromethane	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	Dichlorodifluoromethane	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	Dichlorodifluoromethane	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	Dichlorodifluoromethane	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	10/13/2016	Dichlorodifluoromethane	<	0.5 µg/L
704313003	Well No. 20	Raw Well	1	11/10/2016	Dichlorodifluoromethane	<	0.5 µg/L
706436003	Well No. 20	Raw Well	1	12/8/2016	Dichlorodifluoromethane	<	0.5 µg/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	Ethylbenzene	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	Ethylbenzene	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	Ethylbenzene	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	Ethylbenzene	<	0.5 µg/L

1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	Ethylbenzene	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	Ethylbenzene	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	Ethylbenzene	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	Ethylbenzene	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	Ethylbenzene	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	10/13/2016	Ethylbenzene	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	Ethylbenzene	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	Ethylbenzene	<	0.5 ug/L
702044013	Well No. 20	Raw Well	1	10/13/2016	Hexachlorobutadiene	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	Hexachlorobutadiene	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	Hexachlorobutadiene	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	Hexachlorobutadiene	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	Hexachlorobutadiene	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	Hexachlorobutadiene	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	Hexachlorobutadiene	<	0.5 µg/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	Hexachlorobutadiene	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	Hexachlorobutadiene	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	Hexachlorobutadiene	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	Hexachlorobutadiene	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	Hexachlorobutadiene	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	9/1/2016	Isopropylbenzene	<	0.5 µg/L
704313003	Well No. 20	Raw Well	1	8/4/2016	Isopropylbenzene	<	0.5 µg/L
706436003	Well No. 20	Raw Well	1	7/7/2016	Isopropylbenzene	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	6/9/2016	Isopropylbenzene	<	0.5 µg/L
704313003	Well No. 20	Raw Well	1	5/12/2016	Isopropylbenzene	<	0.5 µg/L
706436003	Well No. 20	Raw Well	1	4/14/2016	Isopropylbenzene	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	Isopropylbenzene	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	Isopropylbenzene	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	Isopropylbenzene	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	10/13/2016	Isopropylbenzene	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	Isopropylbenzene	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	Isopropylbenzene	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	10/13/2016	m,p-Xylene	<	0.5 ug/L
1608543-003A	Well No. 20	Raw Well	1	11/10/2016	m,p-Xylene	<	0.5 ug/L
1607508-005A	Well No. 20	Raw Well	1	12/8/2016	m,p-Xylene	<	0.5 ug/L
1606916-003A	Well No. 20	Raw Well	1	9/1/2016	m,p-Xylene	<	0.5 ug/L
1605B63-003A	Well No. 20	Raw Well	1	8/4/2016	m,p-Xylene	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	7/7/2016	m,p-Xylene	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	6/9/2016	m,p-Xylene	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	5/12/2016	m,p-Xylene	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	4/14/2016	m,p-Xylene	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	3/3/2016	m,p-Xylene	<	0.5 µg/L
704313003	Well No. 20	Raw Well	1	2/4/2016	m,p-Xylene	<	0.5 µg/L
706436003	Well No. 20	Raw Well	1	1/7/2016	m,p-Xylene	<	0.5 µg/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	Methyl tert-butyl ether	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	Methyl tert-butyl ether	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	Methyl tert-butyl ether	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	Methyl tert-butyl ether	<	0.5 µg/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	Methyl tert-butyl ether	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	Methyl tert-butyl ether	<	0.5 µg/L

1603350-001A	Well No. 20	Raw Well	1	3/3/2016	Methyl tert-butyl ether	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	Methyl tert-butyl ether	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	Methyl tert-butyl ether	<	0.5 µg/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	Methylene chloride	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	Methylene chloride	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	Methylene chloride	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	Methylene chloride	<	0.5 µg/L
1605863-003A	Well No. 20	Raw Well	1	5/12/2016	Methylene chloride	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	Methylene chloride	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	Methylene chloride	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	Methylene chloride	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	Methylene chloride	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	10/13/2016	Methylene Chloride	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	Methylene Chloride	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	Methylene Chloride	<	0.5 ug/L
702044013	Well No. 20	Raw Well	1	10/13/2016	Methyl tert-butyl ether	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	Methyl tert-butyl ether	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	Methyl tert-butyl ether	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	n-Butylbenzene	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	n-Butylbenzene	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	n-Butylbenzene	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	n-Butylbenzene	<	0.5 µg/L
1605863-003A	Well No. 20	Raw Well	1	5/12/2016	n-Butylbenzene	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	n-Butylbenzene	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	n-Butylbenzene	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	n-Butylbenzene	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	n-Butylbenzene	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	10/13/2016	n-Butylbenzene	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	n-Butylbenzene	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	n-Butylbenzene	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	n-Propylbenzene	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	n-Propylbenzene	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	n-Propylbenzene	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	n-Propylbenzene	<	0.5 µg/L
1605863-003A	Well No. 20	Raw Well	1	5/12/2016	n-Propylbenzene	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	n-Propylbenzene	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	n-Propylbenzene	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	n-Propylbenzene	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	n-Propylbenzene	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	10/13/2016	n-Propylbenzene	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	n-Propylbenzene	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	n-Propylbenzene	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	o-Xylene	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	o-Xylene	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	o-Xylene	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	o-Xylene	<	0.5 µg/L
1605863-003A	Well No. 20	Raw Well	1	5/12/2016	o-Xylene	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	o-Xylene	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	o-Xylene	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	o-Xylene	<	0.5 µg/L

1601398-003A	Raw Well	Well No. 20	1	1/7/2016	o-Xylene	<	0.5 µg/L
702044013	Raw Well	Well No. 20	1	10/13/2016	o-Xylene	<	0.5 µg/L
704313003	Raw Well	Well No. 20	1	11/10/2016	o-Xylene	<	0.5 µg/L
706436003	Raw Well	Well No. 20	1	12/8/2016	o-Xylene	<	0.5 µg/L
702044013	Raw Well	Well No. 20	1	10/13/2016	4-Isopropyltoluene	<	0.5 µg/L
704313003	Raw Well	Well No. 20	1	11/10/2016	4-Isopropyltoluene	<	0.5 µg/L
706436003	Raw Well	Well No. 20	1	12/8/2016	4-Isopropyltoluene	<	0.5 µg/L
1609068-003A	Raw Well	Well No. 20	1	9/1/2016	sec-Butylbenzene	<	0.5 µg/L
1608543-003A	Raw Well	Well No. 20	1	8/4/2016	sec-Butylbenzene	<	0.5 µg/L
1607508-005A	Raw Well	Well No. 20	1	7/7/2016	sec-Butylbenzene	<	0.5 µg/L
1606916-003A	Raw Well	Well No. 20	1	6/9/2016	sec-Butylbenzene	<	0.5 µg/L
1605B63-003A	Raw Well	Well No. 20	1	5/12/2016	sec-Butylbenzene	<	0.5 µg/L
1604E30-001A	Raw Well	Well No. 20	1	4/14/2016	sec-Butylbenzene	<	0.5 µg/L
1603350-001A	Raw Well	Well No. 20	1	3/3/2016	sec-Butylbenzene	<	0.5 µg/L
1602456-001A	Raw Well	Well No. 20	1	2/4/2016	sec-Butylbenzene	<	0.5 µg/L
1601398-003A	Raw Well	Well No. 20	1	1/7/2016	sec-Butylbenzene	<	0.5 µg/L
702044013	Raw Well	Well No. 20	1	10/13/2016	sec-Butylbenzene	<	0.5 µg/L
704313003	Raw Well	Well No. 20	1	11/10/2016	sec-Butylbenzene	<	0.5 µg/L
706436003	Raw Well	Well No. 20	1	12/8/2016	sec-Butylbenzene	<	0.5 µg/L
1609068-003A	Raw Well	Well No. 20	1	9/1/2016	Styrene	<	0.5 µg/L
1608543-003A	Raw Well	Well No. 20	1	8/4/2016	Styrene	<	0.5 µg/L
1607508-005A	Raw Well	Well No. 20	1	7/7/2016	Styrene	<	0.5 µg/L
1606916-003A	Raw Well	Well No. 20	1	6/9/2016	Styrene	<	0.5 µg/L
1605B63-003A	Raw Well	Well No. 20	1	5/12/2016	Styrene	<	0.5 µg/L
1604E30-001A	Raw Well	Well No. 20	1	4/14/2016	Styrene	<	0.5 µg/L
1603350-001A	Raw Well	Well No. 20	1	3/3/2016	Styrene	<	0.5 µg/L
1602456-001A	Raw Well	Well No. 20	1	2/4/2016	Styrene	<	0.5 µg/L
1601398-003A	Raw Well	Well No. 20	1	1/7/2016	Styrene	<	0.5 µg/L
702044013	Raw Well	Well No. 20	1	10/13/2016	Styrene	<	0.5 µg/L
704313003	Raw Well	Well No. 20	1	11/10/2016	Styrene	<	0.5 µg/L
706436003	Raw Well	Well No. 20	1	12/8/2016	Styrene	<	0.5 µg/L
1609068-003A	Raw Well	Well No. 20	1	9/1/2016	tert-Butylbenzene	<	0.5 µg/L
1608543-003A	Raw Well	Well No. 20	1	8/4/2016	tert-Butylbenzene	<	0.5 µg/L
1607508-005A	Raw Well	Well No. 20	1	7/7/2016	tert-Butylbenzene	<	0.5 µg/L
1606916-003A	Raw Well	Well No. 20	1	6/9/2016	tert-Butylbenzene	<	0.5 µg/L
1605B63-003A	Raw Well	Well No. 20	1	5/12/2016	tert-Butylbenzene	<	0.5 µg/L
1604E30-001A	Raw Well	Well No. 20	1	4/14/2016	tert-Butylbenzene	<	0.5 µg/L
1603350-001A	Raw Well	Well No. 20	1	3/3/2016	tert-Butylbenzene	<	0.5 µg/L
1602456-001A	Raw Well	Well No. 20	1	2/4/2016	tert-Butylbenzene	<	0.5 µg/L
1601398-003A	Raw Well	Well No. 20	1	1/7/2016	tert-Butylbenzene	<	0.5 µg/L
702044013	Raw Well	Well No. 20	1	10/13/2016	tert-Butylbenzene	<	0.5 µg/L
704313003	Raw Well	Well No. 20	1	11/10/2016	tert-Butylbenzene	<	0.5 µg/L
706436003	Raw Well	Well No. 20	1	12/8/2016	tert-Butylbenzene	<	0.5 µg/L
1609068-003A	Raw Well	Well No. 20	1	9/1/2016	Toluene	<	0.5 µg/L
1608543-003A	Raw Well	Well No. 20	1	8/4/2016	Toluene	<	0.5 µg/L
1607508-005A	Raw Well	Well No. 20	1	7/7/2016	Toluene	<	0.5 µg/L
1606916-003A	Raw Well	Well No. 20	1	6/9/2016	Toluene	<	0.5 µg/L
1605B63-003A	Raw Well	Well No. 20	1	5/12/2016	Toluene	<	0.5 µg/L
1604E30-001A	Raw Well	Well No. 20	1	4/14/2016	Toluene	<	0.5 µg/L
1603350-001A	Raw Well	Well No. 20	1	3/3/2016	Toluene	<	0.5 µg/L

1602456-001A	Well No. 20	Raw Well	1	2/4/2016	Toluene	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	Toluene	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	10/13/2016	Toluene	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	Toluene	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	Toluene	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	Total Trihalomethanes	<	2 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	Total Trihalomethanes	<	2 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	Total Trihalomethanes	<	2 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	Total Trihalomethanes	<	2 µg/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	Total Trihalomethanes	<	2 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	Total Trihalomethanes	<	2 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	Total Trihalomethanes	<	2 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	Total Trihalomethanes	<	2 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	Total Trihalomethanes	<	2 µg/L
702044013	Well No. 20	Raw Well	1	10/13/2016	Total Trihalomethanes	<	2 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	Total Trihalomethanes	<	2 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	Total Trihalomethanes	<	2 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	trans-1,2-Dichloroethene	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	trans-1,2-Dichloroethene	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	trans-1,2-Dichloroethene	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	trans-1,2-Dichloroethene	<	0.5 µg/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	trans-1,2-Dichloroethene	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	trans-1,2-Dichloroethene	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	trans-1,2-Dichloroethene	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	trans-1,2-Dichloroethene	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	trans-1,2-Dichloroethene	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	10/13/2016	trans-1,2-Dichloroethene	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	trans-1,2-Dichloroethene	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	trans-1,2-Dichloroethene	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	trans-1,3-Dichloropropene	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	trans-1,3-Dichloropropene	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	trans-1,3-Dichloropropene	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	trans-1,3-Dichloropropene	<	0.5 µg/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	trans-1,3-Dichloropropene	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	trans-1,3-Dichloropropene	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	trans-1,3-Dichloropropene	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	trans-1,3-Dichloropropene	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	trans-1,3-Dichloropropene	<	0.5 µg/L
702044013	Well No. 20	Raw Well	1	10/13/2016	trans-1,3-Dichloropropene	<	0.5 ug/L
704313003	Well No. 20	Raw Well	1	11/10/2016	trans-1,3-Dichloropropene	<	0.5 ug/L
706436003	Well No. 20	Raw Well	1	12/8/2016	trans-1,3-Dichloropropene	<	0.5 ug/L
1609068-003A	Well No. 20	Raw Well	1	9/1/2016	Trichlorofluoromethane	<	0.5 µg/L
1608543-003A	Well No. 20	Raw Well	1	8/4/2016	Trichlorofluoromethane	<	0.5 µg/L
1607508-005A	Well No. 20	Raw Well	1	7/7/2016	Trichlorofluoromethane	<	0.5 µg/L
1606916-003A	Well No. 20	Raw Well	1	6/9/2016	Trichlorofluoromethane	<	0.5 µg/L
1605B63-003A	Well No. 20	Raw Well	1	5/12/2016	Trichlorofluoromethane	<	0.5 µg/L
1604E30-001A	Well No. 20	Raw Well	1	4/14/2016	Trichlorofluoromethane	<	0.5 µg/L
1603350-001A	Well No. 20	Raw Well	1	3/3/2016	Trichlorofluoromethane	<	0.5 µg/L
1602456-001A	Well No. 20	Raw Well	1	2/4/2016	Trichlorofluoromethane	<	0.5 µg/L
1601398-003A	Well No. 20	Raw Well	1	1/7/2016	Trichlorofluoromethane	<	0.5 µg/L

702044013	Raw Well	Well No. 20	1	10/13/2016	Trichlorofluoromethane	<	0.5 ug/L
704313003	Raw Well	Well No. 20	1	11/10/2016	Trichlorofluoromethane	<	0.5 ug/L
706436003	Raw Well	Well No. 20	1	12/8/2016	Trichlorofluoromethane	<	0.5 ug/L
1609068-003A	Raw Well	Well No. 20	1	9/1/2016	Vinyl chloride	<	0.5 ug/L
1608543-003A	Raw Well	Well No. 20	1	8/4/2016	Vinyl chloride	<	0.5 ug/L
1607508-005A	Raw Well	Well No. 20	1	7/7/2016	Vinyl chloride	<	0.5 ug/L
1606916-003A	Raw Well	Well No. 20	1	6/9/2016	Vinyl chloride	<	0.5 ug/L
1605B63-003A	Raw Well	Well No. 20	1	5/12/2016	Vinyl chloride	<	0.5 ug/L
1604E30-001A	Raw Well	Well No. 20	1	4/14/2016	Vinyl chloride	<	0.5 ug/L
1603350-001A	Raw Well	Well No. 20	1	3/3/2016	Vinyl chloride	<	0.5 ug/L
1602456-001A	Raw Well	Well No. 20	1	2/4/2016	Vinyl chloride	<	0.5 ug/L
1601398-003A	Raw Well	Well No. 20	1	1/7/2016	Vinyl chloride	<	0.5 ug/L
702044013	Raw Well	Well No. 20	1	10/13/2016	Vinyl chloride	<	0.5 ug/L
704313003	Raw Well	Well No. 20	1	11/10/2016	Vinyl chloride	<	0.5 ug/L
706436003	Raw Well	Well No. 20	1	12/8/2016	Vinyl chloride	<	0.5 ug/L
704313003	Raw Well	Well No. 20	1	11/10/2016	Vinyl chloride	<	0.5 ug/L
702044013	Raw Well	Well No. 20	1	10/13/2016	Trichloroethene	<	0.79 ug/L
1607508-005A	Raw Well	Well No. 20	1	7/7/2016	Trichloroethene		0.8 ug/L
1608543-003A	Raw Well	Well No. 20	1	8/4/2016	Trichloroethene		0.85 ug/L
1605B63-003A	Raw Well	Well No. 20	1	5/12/2016	Trichloroethene		0.88 ug/L
1602456-001A	Raw Well	Well No. 20	1	2/4/2016	Trichloroethene		0.9 ug/L
1603350-001A	Raw Well	Well No. 20	1	3/3/2016	Trichloroethene		0.9 ug/L
706436003	Raw Well	Well No. 20	1	12/8/2016	Trichloroethene		0.91 ug/L
1606916-003A	Raw Well	Well No. 20	1	6/9/2016	Trichloroethene		0.93 ug/L
1601398-003A	Raw Well	Well No. 20	1	1/7/2016	Trichloroethene		0.97 ug/L
1604E30-001A	Raw Well	Well No. 20	1	4/14/2016	Trichloroethene		0.98 ug/L
1609068-003A	Raw Well	Well No. 20	1	9/1/2016	Trichloroethene		1.03 ug/L
1605B63-003A	Raw Well	Well No. 20	1	5/12/2016	Trichloroethene		1.24 ug/L
702044013	Raw Well	Well No. 20	1	10/13/2016	Tetrachloroethene		7.71 ug/L
1608543-003A	Raw Well	Well No. 20	1	8/4/2016	Tetrachloroethene		8.3 ug/L
1607508-005A	Raw Well	Well No. 20	1	7/7/2016	Tetrachloroethene		8.48 ug/L
1604E30-001A	Raw Well	Well No. 20	1	4/14/2016	Tetrachloroethene		8.64 ug/L
1606916-003A	Raw Well	Well No. 20	1	6/9/2016	Tetrachloroethene		9.22 ug/L
706436003	Raw Well	Well No. 20	1	12/8/2016	Tetrachloroethene		9.27 ug/L
704313003	Raw Well	Well No. 20	1	11/10/2016	Tetrachloroethene		9.4 ug/L
1602456-001A	Raw Well	Well No. 20	1	2/4/2016	Tetrachloroethene		9.7 ug/L
1603350-001A	Raw Well	Well No. 20	1	3/3/2016	Tetrachloroethene		10.1 ug/L
1601398-003A	Raw Well	Well No. 20	1	1/7/2016	Tetrachloroethene		10.7 ug/L
1609068-003A	Raw Well	Well No. 20	1	9/1/2016	Tetrachloroethene		10.7 ug/L
							12.3 ug/L

Lab No.	Sample Location	Origin	Well Type	Collection Date	Analyte	Qual	Result	Units
709502001	Well No. 20	Raw Well	1	1/19/2017	pH (Field)		5.53	pH units
709502001	Well No. 20	Raw Well	1	1/19/2017	pH temperature		14.2	degrees C
709502001	Well No. 20	Raw Well	1	1/19/2017	Calcium		15	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Iron	<	0.02	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Magnesium		7.6	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Manganese		0.022	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Sodium		34.6	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Zinc		68.8	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Antimony	<	0.4	ug/l
709502001	Well No. 20	Raw Well	1	1/19/2017	Arsenic	<	1	ug/l
709502001	Well No. 20	Raw Well	1	1/19/2017	Barium		0.011	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Beryllium	<	0.3	ug/l
709502001	Well No. 20	Raw Well	1	1/19/2017	Cadmium	<	1	ug/l
709502001	Well No. 20	Raw Well	1	1/19/2017	Chromium	<	0.0070	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Copper		0.02	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Lead	<	1	ug/l
709502001	Well No. 20	Raw Well	1	1/19/2017	Mercury	<	0.2	ug/l
709502001	Well No. 20	Raw Well	1	1/19/2017	Nickel		0.0014	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Selenium		2.4	ug/l
709502001	Well No. 20	Raw Well	1	1/19/2017	Silver	<	0.001	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Thallium	<	0.3	ug/l
709502001	Well No. 20	Raw Well	1	1/19/2017	Hardness, Calcium (As CaCo3)		37.5	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Total Hardness (As CaCO3)		68.8	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Alkalinity, Total (As CaCO3)		29.4	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Chloride		60.5	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Fluoride	<	0.1	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Sulfate		23.9	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Free Cyanide	<	10.0	ug/l
709502001	Well No. 20	Raw Well	1	1/19/2017	Color		5.0	units
709502001	Well No. 20	Raw Well	1	1/19/2017	LSI		-3.46	SI
709502001	Well No. 20	Raw Well	1	1/19/2017	MBAS	<	0.08	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Nitrogen, Ammonia (As N)		0.42	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Nitrite as N	<	0.05	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Nitrate as N		3.6	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Odor		0	units
709502001	Well No. 20	Raw Well	1	1/19/2017	Total Dissolved Solids		189	mg/L
709502001	Well No. 20	Raw Well	1	1/19/2017	Turbidity	<	1	NTU

Lab No.	Sample Location	Origin	Well Type	Collection Date	Analyte	Qual	Result	Units
708446003	Well No. 20	Raw Well	1	1/5/2017	1,1,1,2- Tetrachloroethane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	1,1,1- Trichloroethane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	1,1,2,2- Tetrachloroethane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	1,1,2- Trichloroethane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	1,1- Dichloroethane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	1,1- Dichloroethene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	1,1- Dichloropropene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	1,2,3- Trichlorobenzene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	1,2,3- Trichloropropane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	1,2,4- Trichlorobenzene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	1,2,4- Trimethylbenzene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	1,2- Dichlorobenzene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	1,2- Dichloroethane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	1,2- Dichloropropane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	1,3,5- Trimethylbenzene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	1,3- Dichlorobenzene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	1,3- Dichloropropane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	1,4- Dichlorobenzene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	2,2- Dichloropropane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	2/4- Chlorotoluene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	4- Isopropyltoluene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Benzene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Bromobenzene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Bromochloromethane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Bromodichloromethane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Bromoform	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Bromomethane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Carbon tetrachloride	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Chlorobenzene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Chloroethane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Chloroform	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Chloromethane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	cis-1,2- Dichloroethane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	cis-1,3- Dichloropropane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Dibromochloromethane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Dibromomethane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Dichlorodifluoromethane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Ethylbenzene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Hexachlorobutadiene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Isopropylbenzene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	m, p- Xylene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Methyl tert-butyl ether	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Methylene chloride	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	n- Butylbenzene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	n- Propylbenzene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	o- Xylene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	sec- Butylbenzene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Styrene	<	0.5	ug/L

708446003	Well No. 20	Raw Well	1	1/5/2017	tert-Butylbenzene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Tetrachloroethene		10	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Toluene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Total Trihalomethanes	<	2	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	trans-1,2-Dichloroethene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	trans-1,3-Dichloropropene	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Trichloroethene		0.84	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Trichlorofluoromethane	<	0.5	ug/L
708446003	Well No. 20	Raw Well	1	1/5/2017	Vinyl chloride	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	1,1,1,2-Tetrachloroethane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	1,1,1-Trichloroethane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	1,1,2,2-Tetrachloroethane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	1,1,2-Trichloroethane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	1,1-Dichloroethane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	1,1-Dichloroethene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	1,1-Dichloropropene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	1,2,3-Trichlorobenzene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	1,2,3-Trichloropropane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	1,2,4-Trichlorobenzene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	1,2,4-Trimethylbenzene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	1,2-Dichlorobenzene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	1,2-Dichloroethane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	1,2-Dichloropropane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	1,3,5-Trimethylbenzene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	1,3-Dichlorobenzene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	1,3-Dichloropropane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	1,4-Dichlorobenzene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	2,2-Dichloropropane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	2/4-Chlorotoluene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	4-Isopropyltoluene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Benzene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Bromobenzene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Bromochloromethane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Bromodichloromethane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Bromoform	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Bromomethane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Carbon tetrachloride	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Chlorobenzene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Chloroethane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Chloroform	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Chloromethane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	cis-1,2-Dichloroethane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	cis-1,3-Dichloropropane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Dibromochloromethane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Dibromomethane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Dichlorodifluoromethane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Ethylbenzene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Hexachlorobutadiene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Isopropylbenzene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	m,p-Xylene	<	0.5	ug/L

7011528001	Well No. 20	Raw Well	1	2/16/2017	Methyl tert-butyl ether	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Methylene chloride	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	n-Butylbenzene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	n-Propylbenzene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	o-Xylene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	sec-Butylbenzene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Styrene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	tert-Butylbenzene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Tetrachloroethene		9.6	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Toluene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Total Trihalomethanes	<	2	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	trans-1,2-Dichloroethene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	trans-1,3-Dichloropropene	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Trichloroethene		0.93	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Trichlorofluoromethane	<	0.5	ug/L
7011528001	Well No. 20	Raw Well	1	2/16/2017	Vinyl chloride	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	1,1,1,2-Tetrachloroethane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	1,1,1-Trichloroethane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	1,1,2,2-Tetrachloroethane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	1,1,2-Trichloroethane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	1,1-Dichloroethane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	1,1-Dichloroethene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	1,1-Dichloropropene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	1,2,3-Trichlorobenzene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	1,2,3-Trichloropropane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	1,2,4-Trichlorobenzene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	1,2,4-Trimethylbenzene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	1,2-Dichlorobenzene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	1,2-Dichloroethane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	1,2-Dichloropropane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	1,3,5-Trimethylbenzene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	1,3-Dichlorobenzene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	1,3-Dichloropropane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	1,4-Dichlorobenzene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	2,2-Dichloropropane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	2/4-Chlorotoluene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	4-Isopropyltoluene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Benzene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Bromobenzene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Bromochloromethane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Bromodichloromethane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Bromoform	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Bromomethane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Carbon tetrachloride	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Chlorobenzene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Chloroethane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Chloroform	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Chloromethane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	cis-1,2-Dichloroethane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	cis-1,3-Dichloropropane	<	0.5	ug/L

7012529001	Well No. 20	Raw Well	1	3/2/2017	Dibromochloromethane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Dibromomethane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Dichlorodifluoromethane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Ethylbenzene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Hexachlorobutadiene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Isopropylbenzene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	m,p-Xylene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Methyl tert-butyl ether	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Methylene chloride	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	n-Butylbenzene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	n-Propylbenzene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	o-Xylene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	sec-Butylbenzene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Styrene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	tert-Butylbenzene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Tetrachloroethene	10.7	ug/L	
7012529001	Well No. 20	Raw Well	1	3/2/2017	Toluene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Total Trihalomethanes	<	2	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	trans-1,2-Dichloroethene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	trans-1,3-Dichloropropene	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Trichloroethene	1.2	ug/L	
7012529001	Well No. 20	Raw Well	1	3/2/2017	Trichlorofluoromethane	<	0.5	ug/L
7012529001	Well No. 20	Raw Well	1	3/2/2017	Vinyl chloride	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	1,1,1,2-Tetrachloroethane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	1,1,1-Trichloroethane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	1,1,2,2-Tetrachloroethane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	1,1,2-Trichloroethane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	1,1-Dichloroethane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	1,1-Dichloroethene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	1,1-Dichloropropene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	1,2,3-Trichlorobenzene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	1,2,3-Trichloropropane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	1,2,4-Trichlorobenzene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	1,2,4-Trimethylbenzene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	1,2-Dichlorobenzene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	1,2-Dichloroethane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	1,2-Dichloropropane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	1,3,5-Trimethylbenzene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	1,3-Dichlorobenzene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	1,3-Dichloropropane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	1,4-Dichlorobenzene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	2,2-Dichloropropane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	2/4-Chlorotoluene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	4-Isopropyltoluene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Benzene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Bromobenzene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Bromochloromethane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Bromodichloromethane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Bromoform	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Bromomethane	<	0.5	ug/L

70115866001	Well No. 20	Raw Well	1	4/13/2017	Carbon tetrachloride	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Chlorobenzene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Chloroethane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Chloroform	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Chloromethane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	cis-1,2-Dichloroethane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	cis-1,3-Dichloropropane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Dibromochloromethane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Dibromomethane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Dichlorodifluoromethane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Ethylbenzene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Hexachlorobutadiene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Isopropylbenzene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	m,p-Xylene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Methyl tert-butyl ether	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Methylene chloride	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	n-Butylbenzene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	n-Propylbenzene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	o-Xylene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	sec-Butylbenzene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Styrene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	tert-Butylbenzene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Tetrachloroethene	<	9.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Toluene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Total Trihalomethanes	<	2	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	trans-1,2-Dichloroethene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	trans-1,3-Dichloropropene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Trichloroethene	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Trichlorofluoromethane	<	0.5	ug/L
70115866001	Well No. 20	Raw Well	1	4/13/2017	Vinyl chloride	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	1,1,1,2-Tetrachloroethane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	1,1,1-Trichloroethane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	1,1,2,2-Tetrachloroethane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	1,1,2-Trichloroethane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	1,1-Dichloroethane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	1,1-Dichloroethene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	1,1-Dichloropropene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	1,2,3-Trichlorobenzene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	1,2,3-Trichloropropane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	1,2,4-Trichlorobenzene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	1,2,4-Trimethylbenzene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	1,2-Dichlorobenzene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	1,2-Dichloroethane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	1,2-Dichloropropane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	1,3,5-Trimethylbenzene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	1,3-Dichlorobenzene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	1,3-Dichloropropane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	1,4-Dichlorobenzene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	2,2-Dichloropropane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	2/4-Chlorotoluene	<	0.5	ug/L

7018459003	Well No. 20	Raw Well	1	5/11/2017	4-Isopropyltoluene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Benzene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Bromobenzene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Bromochloromethane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Bromodichloromethane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Bromoform	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Bromomethane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Carbon tetrachloride	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Chlorobenzene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Chloroethane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Chloroform	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Chloromethane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	cis-1,2-Dichloroethane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	cis-1,3-Dichloropropane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Dibromochloromethane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Dibromomethane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Dichlorodifluoromethane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Ethylbenzene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Hexachlorobutadiene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Isopropylbenzene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	m,p-Xylene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Methyl tert-butyl ether	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Methylene chloride	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	n-Butylbenzene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	n-Propylbenzene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	o-Xylene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	sec-Butylbenzene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Styrene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	tert-Butylbenzene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Tetrachloroethene	<	7.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Toluene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Total Trihalomethanes	<	2	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	trans-1,2-Dichloroethene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	trans-1,3-Dichloropropene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Trichloroethene	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Trichlorofluoromethane	<	0.5	ug/L
7018459003	Well No. 20	Raw Well	1	5/11/2017	Vinyl chloride	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	1,1,1,2-Tetrachloroethane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	1,1,1-Trichloroethane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	1,1,2,2-Tetrachloroethane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	1,1,2-Trichloroethane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	1,1-Dichloroethane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	1,1-Dichloroethene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	1,2,3-Trichlorobenzene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	1,2,3-Trichloropropane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	1,2,4-Trichlorobenzene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	1,2,4-Trimethylbenzene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	1,2-Dichlorobenzene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	1,2-Dichloroethane	<	0.5	ug/L

7020830003	Well No. 20	Raw Well	1	6/8/2017	1,2-Dichloropropane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	1,3,5-Trimethylbenzene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	1,3-Dichlorobenzene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	1,3-Dichloropropane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	1,4-Dichlorobenzene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	2,2-Dichloropropane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	2/4-Chlorotoluene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	4-Isopropyltoluene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Benzene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Bromobenzene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Bromochloromethane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Bromodichloromethane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Bromoform	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Bromomethane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Carbon tetrachloride	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Chlorobenzene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Chloroethane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Chloroform	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Chloromethane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	cis-1,2-Dichloroethane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	cis-1,3-Dichloropropane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Dibromochloromethane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Dibromomethane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Dichlorodifluoromethane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Ethylbenzene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Hexachlorobutadiene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Isopropylbenzene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	m,p-Xylene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Methyl tert-butyl ether	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Methylene chloride	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	n-Butylbenzene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	n-Propylbenzene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	o-Xylene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	sec-Butylbenzene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Styrene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	tert-Butylbenzene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Tetrachloroethene		7.7	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Toluene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Total Trihalomethanes	<	2	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	trans-1,2-Dichloroethene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	trans-1,3-Dichloropropene	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Trichloroethene		0.74	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Trichlorofluoromethane	<	0.5	ug/L
7020830003	Well No. 20	Raw Well	1	6/8/2017	Vinyl chloride	<	0.5	ug/L
7023358003	Well No. 20	Raw Well	1	7/6/2017	1,1,1,2-Tetrachloroethane	<	0.5	ug/L
7023358003	Well No. 20	Raw Well	1	7/6/2017	1,1,1-Trichloroethane	<	0.5	ug/L
7023358003	Well No. 20	Raw Well	1	7/6/2017	1,1,2,2-Tetrachloroethane	<	0.5	ug/L
7023358003	Well No. 20	Raw Well	1	7/6/2017	1,1,2-Trichloroethane	<	0.5	ug/L
7023358003	Well No. 20	Raw Well	1	7/6/2017	1,1-Dichloroethane	<	0.5	ug/L
7023358003	Well No. 20	Raw Well	1	7/6/2017	1,1-Dichloroethene	<	0.5	ug/L

7023358003	Well No. 20	Raw Well	1	7/6/2017	Vinyl chloride	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	1,1,1,2-Tetrachloroethane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	1,1,1-Trichloroethane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	1,1,2,2-Tetrachloroethane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	1,1,2-Trichloroethane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	1,1-Dichloroethane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	1,1-Dichloroethene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	1,1-Dichloropropene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	1,2,3-Trichlorobenzene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	1,2,3-Trichloropropane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	1,2,4-Trichlorobenzene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	1,2,4-Trimethylbenzene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	1,2-Dichlorobenzene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	1,2-Dichloroethane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	1,2-Dichloropropane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	1,3,5-Trimethylbenzene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	1,3-Dichlorobenzene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	1,3-Dichloropropane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	1,4-Dichlorobenzene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	2,2-Dichloropropane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	2/4-Chlorotoluene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	4-Isopropyltoluene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Benzene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Bromobenzene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Bromochloromethane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Bromodichloromethane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Bromoform	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Bromomethane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Carbon tetrachloride	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Chlorobenzene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Chloroethane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Chloroform	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Chloromethane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	cis-1,2-Dichloroethane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	cis-1,3-Dichloropropane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Dibromochloromethane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Dibromomethane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Dichlorodifluoromethane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Ethylbenzene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Hexachlorobutadiene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Isopropylbenzene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	m,p-Xylene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Methyl tert-butyl ether	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Methylene chloride	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	n-Butylbenzene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	n-Propylbenzene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	o-Xylene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	sec-Butylbenzene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Styrene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	tert-Butylbenzene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Tetrachloroethene	<	9	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Toluene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Total Trihalomethanes	<	2	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	trans-1,2-Dichloroethene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	trans-1,3-Dichloropropene	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Trichloroethene	<	0.69	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Trichlorofluoromethane	<	0.5	ug/L
7026166003	Well No. 20	Raw Well	1	8/3/2017	Vinyl chloride	<	0.5	ug/L