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# PHASE II
# ENVIRONMENTAL SITE ASSESSMENT
# WATER DEPARTMENT SITE
# WEST OAKLAND AND SOUTH HARVIN STREETS
# SUMTER, SOUTH CAROLINA

**Prepared For:**

**City of Sumter**
**P.O. Box 1449**
**Sumter, SC 29151**

**Prepared By:**

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**August 29, 2016**

## Signature Page

This document entitled "Phase II Environmental Site Assessment", has been prepared for the City of Sumter to describe investigative activities initiated on City of Sumter owned property near the intersection of West Oakland and South Harvin Streets in Sumter, South Carolina. It has been prepared in accordance with accepted quality control practices.

**Emerald, Inc.**

Ronny L. Lowder, CHMM, REPA
President

**Emerald, Inc.**

William C. McClary, P.G.
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**Phase II**
**Environmental Site Assessment Report**
**Water Department Site**
**West Oakland and South Harvin Streets**
**Sumter, South Carolina**

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## 1.0 Introduction and Scope of Work

The subject site consists of six parcels of real estate within a one block area bounded by East Bartlette Street on the north, South Harvin Street on the east, East Oakland Avenue on the south, and South Main Street on the west. The subject site contains four buildings and one shed, all of which are presently vacant. Within a 500-foot radius of the site are at least six former gasoline stations, two of which have reported prior releases of petroleum product to SCDHEC. One site which is adjacent to the subject site on the southwest corner is a former gasoline station (Spur) in the 1960 City Street Directory provided by Environmental Data Resources. In addition to the gasoline service stations, on-site operations at a former automotive repair facility (Steve's Mr. Fix It) was identified as a possible source of soil and/or groundwater contamination. Figure 1 contains a general location map for the site while Figure 2 contains an USGS map of the site.

A Phase II Environmental Site Assessment was proposed for the site to determine if the historical uses on and surrounding the subject properties had impacted the environment per the results of the Phase I Environmental Site Assessment report dated June 30, 2016. This environmental site assessment was approved by the City of Sumter.

## 2.0 Site Activities

Emerald, Inc. personnel conducted this Phase II Environmental Site Assessment at the subject site to collect soil and groundwater samples for laboratory analysis. These samples were collected to identify any potential soil or groundwater contamination due to historical uses on and surrounding the subject property. Drilling activities at the site were conducted by William Walker of W. Walker Environmental Services of West Columbia, SC. Activities required to generate site-specific information for the subject site are described in detail within the following sections.

## 2.1 Direct Push Soil Sampling

On August 3, 2016, Emerald, Inc. personnel, using direct push sampling equipment, advanced a total of six direct push borings (SB-1 through SB-5 and SB-8) at the site. SB-1 through SB-5 were advanced to a depth of 10 feet below ground surface (BGS) surrounding 8 and 12 East Bartlette Street (Steve's Mr. Fix It). These borings were advanced to determine if surface spills or other releases to the environment have taken place in the area of the auto repair facility. SB-8 was advanced to a depth of 5 feet BGS near the northern property boundary of 5 East Oakland Avenue. This boring was advanced to determine if shallow soil contamination was present adjacent to the former service station located at 112 South Main Street. These sample locations are presented on a site map labeled as Figure 3.

Soil sampling was conducted using direct push sampling techniques. During the advancement of these borings, a Macro-Core sampler was used to collect continuous soil samples from the ground surface to a depth of approximately 10 feet BGS. Soil screening for VOCs was conducted by field personnel who placed a portion of the soil from each interval into a plastic, sealable bag for screening using a properly calibrated Photo-ionization Detector (PID). A soil sample from the interval exhibiting the highest PID reading or the most probable zone of contamination (if PID readings were non detect) was selected for laboratory analysis. These samples were placed in laboratory supplied containers and shipped to Pace Analytical Services of Huntersville, NC, for analysis. Each sample was tested for volatile organic compounds by EPA Method 8260.

Field data was recorded in the Field Activity Logs as found in Appendix A, including sample identification as to boring number, soil descriptions, depth and PID readings. After collection of soil samples at each boring location, the boring was properly abandoned by a licensed driller.

## 2.2 Direct Push Groundwater Sampling

On August 3, 2016, Emerald, Inc. personnel advanced a total of eight direct push borings (GW-1 through GW-8) for the collection of groundwater. Sample locations are presented on the site map labeled as Figure 3. GW-1 through GW-5 were installed surrounding 8 and 12 East Bartlette Street (Steve's Mr. Fix It). GW-6 through GW-8 were installed along the western property line of 5 East Oakland Avenue, adjacent to the former Spur gasoline service station. Each groundwater sample was from the shallow aquifer.

Field screening was conducted using a direct push drilling rig to collect groundwater samples. The direct push rig was used to advance a stainless steel sampler to the desired depth. Once desired depth was reached, the screen was exposed to the formation and a water sample was collected by lowering new polypropylene tubing into the watertable with a peristaltic pump used to bring the sample to the surface. Each sample was placed in laboratory supplied containers and shipped to Pace Analytical Services of Huntersville, NC, for analysis. Each sample was analyzed for volatile organic compounds by EPA Method 8260.

Field data was recorded in the Field Activity Logs as found in Appendix A, including sample identification as to boring number and sampling depth. After collection of samples at each location, the boring was properly abandoned using a portland/bentonite slurry by the well driller. Downhole drilling equipment was properly decontaminated between borings.

## 2.3 Analytical Results

The samples were packed in ice and shipped via overnight carrier to Pace Analytical Services in Huntersville, NC, along with the properly completed chain of custody. The analytical results indicate chemicals of concern are below the Maximum Contaminant Levels (MCL) from the South Carolina Drinking Water Standards and below EPA Regional Screening Levels in groundwater samples GW-1 through GW-6. Analytical results from GW-7 and GW-8 exceeded regulatory limits for multiple constituents. Soil samples collected at the site did not exceed

regulatory limits. Analytical results are presented in tabular form on Table 1 and 2 with the laboratory report provided in Appendix B.

## 3.0 Results and Conclusions

Per the approval of the City of Sumter, Emerald, Inc. conducted this Phase II Environmental Site Assessment at six parcels of real estate within a one block area bounded by East Bartlette Street on the north, South Harvin Street on the east, East Oakland Avenue on the south, and South Main Street on the west. This Phase II Environmental Site Assessment included the collection of five soil and six groundwater samples from two areas of concern on the properties. Soil and groundwater samples were submitted to an independent laboratory for analysis by EPA Method 8260.

Based on the information gathered during this Phase II Environmental Site Assessment, it appears that the groundwater on the subject site has been impacted by volatile compounds at levels above regulatory limits in the area east of the former Spur gasoline service station. Analytical results indicate exceedances of regulatory limits in GW-7 and GW-8. The regulatory exceedances in GW-7 and GW-8 indicate a petroleum source.

# TABLES

# TABLE 1
# DIRECT PUSH SOIL ANALYTICAL RESULTS
# WATER DEPARTMENT SITE - CITY OF SUMTER
# SUMTER, SOUTH CAROLINA


| Contaminant | Resident Soil Screening Level (mg/kg) | Industrial Soil Screening Level (mg/kg) | Protection of Groundwater Risk Based Soil Screening Levels (mg/kg) | Sample Number | SB-1 | SB-2 |
|---|---|---|---|---|---|---|
| | | | | Depth (Ft. BGS) | (5'-10') | (0'-5') |
| | | | | Units | (mg/kg) | (mg/kg) |
| Acetone | 61,000 | 670,000 | 2.9 | | <0.094 | <0.0090 |
| Acetonitrile | 810 | 3,400 | 0.026 | | <0.047 | <0.023 |
| Acrolein | 0.14 | 0.60 | 0.0000084 | | <0.094 | <0.013 |
| Acrylonitrile | 0.25 | 1.1 | 0.000011 | | <0.094 | <0.090 |
| Allyl chloride | 0.72 | 3.2 | 0.00023 | | <0.047 | <0.045 |
| tert-Amyl Alcohol | 82 | 340 | 0.0013 | | <0.094 | <0.090 |
| tert-Amylmethyl ether | | | | | <0.0094 | <0.0090 |
| Benzene | 1.2 | 5.1 | 0.00023 | | <0.0047 | <0.0045 |
| Bromobenzene | 290 | 1,800 | 0.042 | | <0.0047 | <0.0045 |
| Bromochloromethane | 150 | 630 | 0.021 | | <0.0047 | <0.0045 |
| Bromodichloromethane | 0.29 | 1.3 | 0.000036 | | <0.0047 | <0.0045 |
| Bromoform | 19 | 86 | 0.00087 | | <0.0047 | <0.0045 |
| Bromomethane | 6.8 | 30 | 0.0019 | | <0.0094 | <0.0090 |
| Total BTEX | | | | | <0.0047 | <0.0045 |
| 3,3-Dimethyl-1-Butanol | | | | | <0.094 | <0.090 |
| 2-Butanone (MEK) | 27,000 | 190,000 | 1.2 | | <0.094 | <0.090 |
| tert-Butyl Alcohol | | | | | <0.094 | <0.090 |
| n-Butylbenzene | 3,900 | 58,000 | 3.2 | | <0.0047 | <0.0045 |
| sec-Butylbenzene | 7,800 | 120,000 | 5.9 | | <0.0047 | <0.0045 |
| tert-Butylbenzene | 7,800 | 120,000 | 1.6 | | <0.0047 | <0.0045 |
| tert-Butyl Formate | | | | | <0.047 | <0.045 |
| Carbon disulfide | 770 | 3,500 | 0.24 | | <0.0094 | <0.0090 |
| Carbon tetrachloride | 0.65 | 2.9 | 0.00018 | | <0.0047 | <0.0045 |
| Chlorobenzene | 280 | 1,300 | 0.053 | | <0.0047 | <0.0045 |
| Chloroethane | 14,000 | 57,000 | 5.9 | | <0.0094 | <0.0090 |
| Chloroform | 0.32 | 1.4 | 0.000061 | | <0.0047 | <0.0045 |
| Chloromethane | 110 | 460 | 0.049 | | <0.0094 | <0.0090 |
| Chloroprene | 0.010 | 0.044 | 0.0000098 | | <0.0094 | <0.0090 |
| 2-Chlorotoluene | 1,600 | 23,000 | 0.23 | | <0.0047 | <0.0045 |
| 4-Chlorotoluene | 1,600 | 23,000 | 0.24 | | <0.0047 | <0.0045 |
| Cyclohexane | 6,500 | 27,000 | 13 | | <0.0047 | <0.0045 |
| Cyclohexanone | 28,000 | 130,000 | 0.34 | | <0.24 | <0.22 |
| 1,2 Dibromo-3-chloropropane | 0.0053 | 0.064 | 0.00000014 | | <0.0047 | <0.0045 |
| Dibromochloromethane | 8.3 | 39 | 0.00023 | | <0.0047 | <0.0045 |
| 1,2-Dibromoethane (EDB) | 0.036 | 0.16 | 0.0000021 | | <0.0047 | <0.0045 |
| Dibromomethane | 24 | 99 | 0.0021 | | <0.0047 | <0.0045 |
| 1,2-Dichlorobenzene | 1,800 | 9,300 | 0.30 | | <0.0047 | <0.0045 |
| 1,3-Dichlorobenzene | | | | | <0.0047 | <0.0045 |
| 1,4-Dichlorobenzene | 2.6 | 11 | 0.00046 | | <0.0047 | <0.0045 |
| cis-1,4-Dichloro-2-butene | 0.0074 | 0.032 | 0.00000062 | | <0.0047 | <0.0045 |
| trans-1,4-Dichloro-2-butene | 0.0074 | 0.032 | 0.00000062 | | <0.0047 | <0.0045 |
| Dichlorodifluoromethane | 87 | 370 | 0.30 | | <0.0094 | <0.0090 |
| 1,1-Dichloroethane | 3.6 | 16 | 0.00078 | | <0.0047 | <0.0045 |
| 1,2-Dichloroethane | 0.46 | 2.0 | 0.000048 | | <0.0047 | <0.0045 |
| 1,2-Dichloroethene (Total) | | | | | <0.0047 | <0.0045 |
| 1,1-Dichloroethene | 230 | 1,000 | 0.10 | | <0.0047 | <0.0045 |
| cis-1,2-Dichloroethene | 160 | 2,300 | 0.011 | | <0.0047 | <0.0045 |
| trans-1,2-Dichloroethene | 1,600 | 23,000 | 0.11 | | <0.0047 | <0.0045 |
| 1,2-Dichloropropane | 1.0 | 4.4 | 0.00015 | | <0.0047 | <0.0045 |
| 1,3-Dichloropropane | 1,600 | 23,000 | 0.13 | | <0.0047 | <0.0045 |
| 2,2-Dichloropropane | | | | | <0.0047 | <0.0045 |
| 1,1-Dichloropropene | | | | | <0.0047 | <0.0045 |
| cis-1,3-Dichloropropene | | | | | <0.0047 | <0.0045 |
| trans-1,3-Dichloropropene | | | | | <0.0047 | <0.0045 |
| Diethyl ether (Ethyl ether) | 16,000 | 230,000 | 0.88 | | <0.0047 | <0.0045 |
| Diisopropyl ether | 2,200 | 9,400 | 0.37 | | <0.0047 | <0.0045 |
| 1,4-Dioxane (p-Dioxane) | 5.3 | 24 | 0.000094 | | <0.14 | <0.13 |
| Ethanol | | | | | <0.19 | <0.18 |
| Ethyl acetate | 620 | 2,600 | 0.031 | | <0.094 | <0.090 |
| Ethylbenzene | 5.8 | 25 | 0.0017 | | <0.0047 | <0.0045 |
| Ethyl methacrylate | 1,800 | 7,600 | 0.15 | | <0.0047 | <0.0045 |
| Ethyl-tert-butyl ether | | | | | <0.0094 | <0.0090 |
| Hexachloro-1,3-butadiene | 1.2 | 5.3 | 0.00027 | | <0.0047 | <0.0045 |
| n-Hexane | 540 | 2,500 | 10 | | <0.0047 | <0.0045 |
| 2-Hexanone | 200 | 1,300 | 0.0088 | | <0.047 | <0.045 |
| Iodomethane | | | | | <0.0094 | <0.0090 |
| Isobutanol | 23,000 | 350,000 | 1.2 | | <0.094 | <0.090 |
| Isopropylbenzene(Cumene) | 1,900 | 9,900 | 0.74 | | <0.0047 | <0.0045 |
| p-Isopropyltoluene | | | | | <0.0047 | <0.0045 |
| Methacrylonitrile | 7.5 | 100 | 0.00043 | | <0.047 | <0.045 |
| Methyl acetate | 78,000 | 1,200,000 | 4.1 | | <0.0094 | <0.0090 |
| Methylcyclohexane | | | | | <0.0094 | <0.0090 |
| Methylene Chloride | 57 | 1,000 | 0.0029 | | <0.019 | <0.018 |
| Methyl methacrylate | 4,400 | 19,000 | 0.30 | | <0.0047 | <0.0045 |
| 4-Methyl-2-pentanone (MIBK) | 33,000 | 56,000 | 1.40 | | <0.047 | <0.045 |
| Methyl-tert-butyl ether | 47 | 210 | 0.0032 | | <0.0047 | <0.0045 |
| Naphthalene | 3.8 | 17 | 0.00054 | | <0.0047 | <0.0045 |
| Pentachloroethane | 7.7 | 36 | 0.00031 | | <0.0047 | <0.0045 |
| Propionitrile | | | | | <0.047 | <0.045 |
| n-Propylbenzene | 3,800 | 24,000 | 1.2 | | <0.0047 | <0.0045 |
| Styrene | 6,000 | 35,000 | 1.3 | | <0.0047 | <0.0045 |
| 1,1,1,2-Tetrachloroethane | 2.0 | 8.8 | 0.00022 | | <0.0047 | <0.0045 |
| 1,1,2,2-Tetrachloroethane | 0.60 | 2.7 | 0.000030 | | <0.0047 | <0.0045 |
| Tetrachloroethene | 24 | 100 | 0.0051 | | <0.0047 | <0.0045 |
| Tetrahydrofuran | 18,000 | 96,000 | 0.75 | | <0.047 | <0.045 |
| Toluene | 4,900 | 47,000 | 0.76 | | <0.0047 | <0.0045 |
| 1,2,3-Trichlorobenzene | 63 | 930 | 0.021 | | <0.0047 | <0.0045 |
| 1,2,4-Trichlorobenzene | 24 | 110 | 0.0034 | | <0.0047 | <0.0045 |
| 1,1,1-Trichloroethane | 8,100 | 36,000 | 2.8 | | <0.0047 | <0.0045 |
| 1,1,2-Trichloroethane | 1.1 | 5.0 | 0.000089 | | <0.0047 | <0.0045 |
| Trichloroethene | 0.94 | 6.0 | 0.00018 | | <0.0047 | <0.0045 |
| Trichlorofluoromethane | 23,000 | 350,000 | 3.30 | | <0.0047 | <0.0045 |
| 1,2,3-Trichloropropane | 0.0051 | 0.11 | 0.00000032 | | <0.0047 | <0.0045 |
| 1,1,2-Trichlorotrifluoroethane | 40,000 | 170,000 | 140 | | <0.0047 | <0.0045 |
| 1,2,3-Trimethylbenzene | 49 | 210 | 0.015 | | <0.0047 | <0.0045 |
| 1,2,4-Trimethylbenzene | 58 | 240 | 0.021 | | <0.0047 | <0.0045 |
| 1,3,5-Trimethylbenzene | 780 | 12,000 | 0.17 | | <0.0047 | <0.0045 |
| Vinyl acetate | 910 | 3,800 | 0.087 | | <0.047 | <0.045 |
| Vinyl chloride | 0.059 | 1.7 | 0.0000065 | | <0.0094 | <0.0090 |
| Xylene (Total) | 580 | 2,500 | 0.19 | | <0.0094 | <0.0090 |
| m&p-Xylene | | | | | <0.0094 | <0.0090 |
| o-Xylene | 650 | 2,800 | 0.19 | | <0.0047 | <0.0045 |

Notes: 1. All results are mg/kg = milligrams per kilogram
2. Samples were collected using direct push sampling techniques
3. "J" values denote estimated concentrations above the adjusted method detection limit and below the adjusted reporting limit
4. Screening Levels as presented in the EPA Regional Screening Level Summary Table (TR-1E-6, HQ=1) dated May 2016
5. Samples Collected on August 3, 2016

# TABLE 1 cont'd
# DIRECT PUSH SOIL ANALYTICAL RESULTS
# WATER DEPARTMENT SITE - CITY OF SUMTER
# SUMTER, SOUTH CAROLINA


| Contaminant | Resident Soil Screening Level (mg/kg) | Industrial Soil Screening Level (mg/kg) | Protection of Groundwater Risk Based Soil Screening Levels (mg/kg) | Sample Number | SB-3 | SB-4 | SB-5 |
|---|---|---|---|---|---|---|---|
| | | | | Depth (Ft. BGS) | (5'-10') | (0'-5') | (0'-5') |
| | | | | Units | (mg/kg) | (mg/kg) | (mg/kg) |
| Acetone | 61,000 | 670,000 | 2.9 | | <0.097 | <0.092 | <0.096 |
| Acetonitrile | 810 | 3,400 | 0.026 | | <0.049 | <0.046 | <0.048 |
| Acrolein | 0.14 | 0.60 | 0.0000084 | | <0.097 | <0.092 | <0.096 |
| Acrylonitrile | 0.25 | 1.1 | 0.000011 | | <0.097 | <0.092 | <0.096 |
| Allyl chloride | 0.72 | 3.2 | 0.00023 | | <0.049 | <0.046 | <0.048 |
| tert-Amyl Alcohol | 82 | 340 | 0.0013 | | <0.097 | <0.092 | <0.096 |
| tert-Amylmethyl ether | | | | | <0.0097 | <0.0092 | <0.0096 |
| Benzene | 1.2 | 5.1 | 0.00023 | | <0.0049 | <0.0046 | <0.0048 |
| Bromobenzene | 290 | 1,800 | 0.042 | | <0.0049 | <0.0046 | <0.0048 |
| Bromochloromethane | 150 | 630 | 0.021 | | <0.0049 | <0.0046 | <0.0048 |
| Bromodichloromethane | 0.29 | 1.3 | 0.000036 | | <0.0049 | <0.0046 | <0.0048 |
| Bromoform | 19 | 86 | 0.00087 | | <0.0049 | <0.0046 | <0.0048 |
| Bromomethane | 6.8 | 30 | 0.0019 | | <0.0097 | <0.0092 | <0.0096 |
| Total BTEX | | | | | <0.0049 | <0.0046 | <0.0048 |
| 3,3-Dimethyl-1-Butanol | | | | | <0.097 | <0.092 | <0.096 |
| 2-Butanone (MEK) | 27,000 | 190,000 | 1.2 | | <0.097 | <0.092 | <0.096 |
| tert-Butyl Alcohol | | | | | <0.097 | <0.092 | <0.096 |
| n-Butylbenzene | 3,900 | 58,000 | 3.2 | | <0.0049 | <0.0046 | <0.0048 |
| sec-Butylbenzene | 7,800 | 120,000 | 5.9 | | <0.0049 | <0.0046 | <0.0048 |
| tert-Butylbenzene | 7,800 | 120,000 | 1.6 | | <0.0049 | <0.0046 | <0.0048 |
| tert-Butyl Formate | | | | | <0.049 | <0.046 | <0.048 |
| Carbon disulfide | 770 | 3,500 | 0.24 | | <0.0097 | <0.0092 | <0.0096 |
| Carbon tetrachloride | 0.65 | 2.9 | 0.00018 | | <0.0049 | <0.0046 | <0.0048 |
| Chlorobenzene | 280 | 1,300 | 0.053 | | <0.0049 | <0.0046 | <0.0048 |
| Chloroethane | 14,000 | 57,000 | 5.9 | | <0.0097 | <0.0092 | <0.0096 |
| Chloroform | 0.32 | 1.4 | 0.000061 | | <0.0049 | <0.0092 | <0.0048 |
| Chloromethane | 110 | 460 | 0.049 | | <0.0097 | <0.0092 | <0.0096 |
| Chloroprene | 0.010 | 0.044 | 0.0000098 | | <0.0097 | <0.0046 | <0.0096 |
| 2-Chlorotoluene | 1,600 | 23,000 | 0.23 | | <0.0049 | <0.0046 | <0.0048 |
| 4-Chlorotoluene | 1,600 | 23,000 | 0.24 | | <0.0049 | <0.0046 | <0.0048 |
| Cyclohexane | 6,500 | 27,000 | 13 | | <0.0049 | <0.0046 | <0.0048 |
| Cyclohexanone | 28,000 | 130,000 | 0.34 | | <0.24 | <0.23 | <0.24 |
| 1,2 Dibromo-3-chloropropane | 0.0053 | 0.064 | 0.00000014 | | <0.0049 | <0.0046 | <0.0048 |
| Dibromochloromethane | 8.3 | 39 | 0.00023 | | <0.0049 | <0.0046 | <0.0048 |
| 1,2-Dibromoethane (EDB) | 0.036 | 0.16 | 0.0000021 | | <0.0049 | <0.0046 | <0.0048 |
| Dibromomethane | 24 | 99 | 0.0021 | | <0.0049 | <0.0046 | <0.0048 |
| 1,2-Dichlorobenzene | 1,800 | 9,300 | 0.30 | | <0.0049 | <0.0046 | <0.0048 |
| 1,3-Dichlorobenzene | | | | | <0.0049 | <0.0046 | <0.0048 |
| 1,4-Dichlorobenzene | 2.6 | 11 | 0.00046 | | <0.0049 | <0.0046 | <0.0048 |
| cis-1,4-Dichloro-2-butene | 0.0074 | 0.032 | 0.00000062 | | <0.0049 | <0.0046 | <0.0048 |
| trans-1,4-Dichloro-2-butene | 0.0074 | 0.032 | 0.00000062 | | <0.0049 | <0.0046 | <0.0048 |
| Dichlorodifluoromethane | 87 | 370 | 0.30 | | <0.0097 | <0.0092 | <0.0096 |
| 1,1-Dichloroethane | 3.6 | 16 | 0.00078 | | <0.0049 | <0.0046 | <0.0048 |
| 1,2-Dichloroethane | 0.46 | 2.0 | 0.000048 | | <0.0049 | <0.0046 | <0.0048 |
| 1,2-Dichloroethene (Total) | | | | | <0.0049 | <0.0046 | <0.0048 |
| 1,1-Dichloroethene | 230 | 1,000 | 0.10 | | <0.0049 | <0.0046 | <0.0048 |
| cis-1,2-Dichloroethene | 160 | 2,300 | 0.011 | | <0.0049 | <0.0046 | <0.0048 |
| trans-1,2-Dichloroethene | 1,600 | 23,000 | 0.11 | | <0.0049 | <0.0046 | <0.0048 |
| 1,2-Dichloropropane | 1.0 | 4.4 | 0.00015 | | <0.0049 | <0.0046 | <0.0048 |
| 1,3-Dichloropropane | 1,600 | 23,000 | 0.13 | | <0.0049 | <0.0046 | <0.0048 |
| 2,2-Dichloropropane | | | | | <0.0049 | <0.0046 | <0.0048 |
| 1,1-Dichloropropene | | | | | <0.0049 | <0.0046 | <0.0048 |
| cis-1,3-Dichloropropene | | | | | <0.0049 | <0.0046 | <0.0048 |
| trans-1,3-Dichloropropene | | | | | <0.0049 | <0.0046 | <0.0048 |
| Diethyl ether (Ethyl ether) | 16,000 | 230,000 | 0.88 | | <0.0049 | <0.0046 | <0.0048 |
| Diisopropyl ether | 2,200 | 9,400 | 0.37 | | <0.0049 | <0.0046 | <0.0048 |
| 1,4-Dioxane (p-Dioxane) | 5.3 | 24 | 0.000094 | | <0.15 | <0.14 | <0.14 |
| Ethanol | | | | | <0.19 | <0.18 | <0.19 |
| Ethyl acetate | 620 | 2,600 | 0.031 | | <0.097 | <0.092 | <0.096 |
| Ethylbenzene | 5.8 | 25 | 0.0017 | | <0.0049 | <0.0046 | <0.0048 |
| Ethyl methacrylate | 1,800 | 7,600 | 0.15 | | <0.0049 | <0.0046 | <0.0048 |
| Ethyl-tert-butyl ether | | | | | <0.0097 | <0.0092 | <0.0096 |
| Hexachloro-1,3-butadiene | 1.2 | 5.3 | 0.00027 | | <0.0049 | <0.0046 | <0.0048 |
| n-Hexane | 540 | 2,500 | 10 | | <0.0049 | <0.0046 | <0.0048 |
| 2-Hexanone | 200 | 1,300 | 0.0088 | | <0.049 | <0.046 | <0.048 |
| Iodomethane | | | | | <0.0097 | <0.0092 | <0.0096 |
| Isobutanol | 23,000 | 350,000 | 1.2 | | <0.097 | <0.092 | <0.096 |
| Isopropylbenzene(Cumene) | 1,900 | 9,900 | 0.74 | | <0.0049 | <0.0046 | <0.0048 |
| p-Isopropyltoluene | | | | | <0.0049 | <0.0046 | <0.0048 |
| Methacrylonitrile | 7.5 | 100 | 0.00043 | | <0.049 | <0.046 | <0.048 |
| Methyl acetate | 78,000 | 1,200,000 | 4.1 | | <0.0097 | <0.0092 | <0.0096 |
| Methylcyclohexane | | | | | <0.0097 | <0.0092 | <0.0096 |
| Methylene Chloride | 57 | 1,000 | 0.0029 | | <0.019 | <0.018 | <0.019 |
| Methyl methacrylate | 4,400 | 19,000 | 0.30 | | <0.0049 | <0.0046 | <0.0048 |
| 4-Methyl-2-pentanone (MIBK) | 33,000 | 56,000 | 1.40 | | <0.049 | <0.046 | <0.048 |
| Methyl-tert-butyl ether | 47 | 210 | 0.0032 | | <0.0049 | <0.0046 | <0.0048 |
| Naphthalene | 3.8 | 17 | 0.00054 | | <0.0049 | <0.0046 | <0.0048 |
| Pentachloroethane | 7.7 | 36 | 0.00031 | | <0.0049 | <0.0046 | <0.048 |
| Propionitrile | | | | | <0.049 | <0.046 | <0.0048 |
| n-Propylbenzene | 3,800 | 24,000 | 1.2 | | <0.0049 | <0.0046 | <0.0048 |
| Styrene | 6,000 | 35,000 | 1.3 | | <0.0049 | <0.0046 | <0.0048 |
| 1,1,1,2-Tetrachloroethane | 2.0 | 8.8 | 0.00022 | | <0.0049 | <0.0046 | <0.0048 |
| 1,1,2,2-Tetrachloroethane | 0.60 | 2.7 | 0.000030 | | <0.0049 | <0.0046 | <0.0048 |
| Tetrachloroethene | 24 | 100 | 0.0051 | | <0.0049 | <0.0046 | <0.0048 |
| Tetrahydrofuran | 18,000 | 96,000 | 0.75 | | <0.049 | <0.046 | <0.048 |
| Toluene | 4,900 | 47,000 | 0.76 | | <0.0049 | <0.0046 | <0.0048 |
| 1,2,3-Trichlorobenzene | 63 | 930 | 0.021 | | <0.0049 | <0.0046 | <0.0048 |
| 1,2,4-Trichlorobenzene | 24 | 110 | 0.0034 | | <0.0049 | <0.0046 | <0.0048 |
| 1,1,1-Trichloroethane | 8,100 | 36,000 | 2.8 | | <0.0049 | <0.0046 | <0.0048 |
| 1,1,2-Trichloroethane | 1.1 | 5.0 | 0.000089 | | <0.0049 | <0.0046 | <0.0048 |
| Trichloroethene | 0.94 | 6.0 | 0.00018 | | <0.0049 | <0.0046 | <0.0048 |
| Trichlorofluoromethane | 23,000 | 350,000 | 3.30 | | <0.0049 | <0.0046 | <0.0048 |
| 1,2,3-Trichloropropane | 0.0051 | 0.11 | 0.00000032 | | <0.0049 | <0.0046 | <0.0048 |
| 1,1,2-Trichlorotrifluoroethane | 40,000 | 170,000 | 140 | | <0.0049 | <0.0046 | <0.0048 |
| 1,2,3-Trimethylbenzene | 49 | 210 | 0.015 | | <0.0049 | <0.0046 | <0.0048 |
| 1,2,4-Trimethylbenzene | 58 | 240 | 0.021 | | <0.0049 | <0.0046 | <0.0048 |
| 1,3,5-Trimethylbenzene | 780 | 12,000 | 0.17 | | <0.0049 | <0.0046 | <0.0048 |
| Vinyl acetate | 910 | 3,800 | 0.087 | | <0.049 | <0.046 | <0.048 |
| Vinyl chloride | 0.059 | 1.7 | 0.0000065 | | <0.0097 | <0.0092 | <0.0096 |
| Xylene (Total) | 580 | 2,500 | 0.19 | | <0.0097 | <0.0097 | <0.0096 |
| m&p-Xylene | | | | | <0.0097 | <0.0097 | <0.0096 |
| o-Xylene | 650 | 2,800 | 0.19 | | <0.0049 | <0.0046 | <0.0048 |

Notes: 1. All results are mg/kg = milligrams per kilogram
2. Samples were collected using direct push sampling techniques
3. "J" values denote estimated concentrations above the adjusted method detection limit and below the adjusted reporting limit
4. Screening Levels as presented in the EPA Regional Screening Level Summary Table (TR-1E-6, HQ=1) dated May 2016
5. Samples Collected on August 3, 2016

# TABLE 2
# GROUNDWATER ANALYTICAL RESULTS
# WATER DEPARTMENT SITE - CITY OF SUMTER
# SUMTER, SOUTH CAROLINA
## Page 1 of 2

| Contaminant | Tapwater (ug/L) | MCL (ug/L) | Sample Number / Units | GW-1 ug/L | GW-2 ug/L | GW-3 ug/L | GW-4 ug/L |
|---|---|---|---|---|---|---|---|
| Acetone | 14,000 | | | <25.0 | <25.0 | <25.0 | <25.0 |
| Acetonitrile | 130 | | | <50.0 | <50.0 | <50.0 | <50.0 |
| Acrolein | 0.042 | | | <100 | <100 | <100 | <100 |
| Acrylonitrile | 0.052 | | | <100 | <100 | <100 | <100 |
| Allyl chloride | 0.73 | | | <50.0 | <50.0 | <50.0 | <50.0 |
| tert-Amyl Alcohol | 6.3 | | | <100 | <100 | <100 | <100 |
| tert-Amylmethyl ether | | | | <10.0 | <10.0 | <10.0 | <10.0 |
| Benzene | 0.46 | 5 | | <5.0 | <5.0 | <5.0 | <5.0 |
| Bromobenzene | 62 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Bromochloromethane | 83 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Bromodichloromethane | 0.13 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Bromoform | 3.3 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Bromomethane | 7.5 | | | <10.0 | <10.0 | <10.0 | <10.0 |
| Total BTEX | | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 3,3-Dimethyl-1-Butanol | | | | <100 | <100 | <100 | <100 |
| 2-Butanone (MEK) | 5,600 | | | <10.0 | <10.0 | <10.0 | <10.0 |
| tert-Butyl Alcohol | | | | <100 | 97.6J | <100 | <100 |
| n-Butylbenzene | 1,000 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| sec-Butylbenzene | 2,000 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| tert-Butylbenzene | 690 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| tert-Butyl Formate | | | | <50.0 | <50.0 | <50.0 | <50.0 |
| Carbon disulfide | 810 | | | <10.0 | <10.0 | <10.0 | <10.0 |
| Carbon tetrachloride | 0.46 | 5 | | <5.0 | <5.0 | <5.0 | <5.0 |
| Chlorobenzene | 78 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Chloroethane | 21,000 | | | <10.0 | <10.0 | <10.0 | <10.0 |
| 2-Chloroethylvinyl ether | | | | <10.0 | <10.0 | <10.0 | <10.0 |
| Chloroform | 0.22 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Chloromethane | 190 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Chloroprene | 0.019 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 2-Chlorotoluene | 240 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 4-Chlorotoluene | 250 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Cyclohexane | 13,000 | | | <250 | <250 | <250 | <250 |
| Cyclohexanone | 1,400 | | | <2.0 | <2.0 | <2.0 | <2.0 |
| 1,2 Dibromo-3-chloropropane | 0.00033 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Dibromochloromethane | 0.87 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,2-Dibromoethane (EDB) | 0.0075 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Dibromomethane | 8.3 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,2-Dichlorobenzene | 300 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,3-Dichlorobenzene | | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,4-Dichlorobenzene | 0.48 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| cis-1,4-Dichloro-2-butene | 0.0013 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| trans-1,4-Dichloro-2-butene | 0.0013 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Dichlorodifluoromethane | 200 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,1-Dichloroethane | 2.8 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,2-Dichloroethane | 0.17 | 5 | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,2-Dichloroethene (Total) | | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,1-Dichloroethene | 280 | 7 | | <5.0 | <5.0 | <5.0 | <5.0 |
| cis-1,2-Dichloroethene | 36 | 70 | | <5.0 | <5.0 | <5.0 | <5.0 |
| trans-1,2-Dichloroethene | 360 | 100 | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,2-Dichloropropane | 0.44 | 5 | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,3-Dichloropropane | 370 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 2,2-Dichloropropane | | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,1-Dichloropropene | | | | <5.0 | <5.0 | <5.0 | <5.0 |
| cis-1,3-Dichloropropene | | | | <5.0 | <5.0 | <5.0 | <5.0 |
| trans-1,3-Dichloropropene | | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Diethyl ether (Ethyl ether) | 3,900 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Diisopropyl ether | 1,500 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,4-Dioxane (p-Dioxane) | 0.46 | | | <150 | <150 | <150 | <150 |
| Ethanol | | | | <200 | <200 | <200 | <200 |
| Ethyl acetate | 140 | | | <100 | <100 | <100 | <100 |
| Ethylbenzene | 1.5 | 700 | | <5.0 | <5.0 | <5.0 | <5.0 |
| Ethyl methacrylate | 630 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Ethyl-tert-butyl ether | | | | <10.0 | <10.0 | <10.0 | <10.0 |
| Hexachloro-1,3-butadiene | 0.14 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| n-Hexane | 1,500 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 2-Hexanone | 38 | | | <10.0 | <10.0 | <10.0 | <10.0 |
| Iodomethane | | | | <10.0 | <10.0 | <10.0 | <10.0 |
| Isobutanol | 5,900 | | | <100 | <100 | <100 | <100 |
| Isopropylbenzene(Cumene) | 450 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| p-Isopropyltoluene | | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Methacrylonitrile | 1.9 | | | <50.0 | <50.0 | <50.0 | <50.0 |
| Methyl acetate | 20,000 | | | <10.0 | <10.0 | <10.0 | <10.0 |
| Methylcyclohexane | | | | <10.0 | <10.0 | <10.0 | <10.0 |
| Methylene Chloride | 11 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Methyl methacrylate | 1,400 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 4-Methyl-2-pentanone (MIBK) | 6,300 | | | <10.0 | <10.0 | <10.0 | <10.0 |
| Methyl-tert-butyl ether | 14 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Naphthalene | 0.17 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Pentachloroethane | 0.65 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Propionitrile | | | | <50.0 | <50.0 | <50.0 | <50.0 |
| n-Propylbenzene | 660 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Styrene | 1,200 | 100 | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,1,1,2-Tetrachloroethane | 0.57 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,1,2,2-Tetrachloroethane | 0.076 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Tetrachloroethene | 11 | 5 | | <5.0 | <5.0 | <5.0 | <5.0 |
| Tetrahydrofuran | 3,400 | | | <50.0 | <50.0 | <50.0 | <50.0 |
| Toluene | 1,100 | 1,000 | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,2,3-Trichlorobenzene | 7 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,2,4-Trichlorobenzene | 1.2 | 70 | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,1,1-Trichloroethane | 8,000 | 200 | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,1,2-Trichloroethane | 0.28 | 5 | | <5.0 | <5.0 | <5.0 | <5.0 |
| Trichloroethene | 0.49 | 5 | | <5.0 | <5.0 | <5.0 | <5.0 |
| Trichlorofluoromethane | 1,100 | | | <10.0 | <10.0 | <10.0 | <10.0 |
| 1,2,3-Trichloropropane | 0.00075 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,1,2-Trichlorofluoroethane | 55,000 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,2,3-Trimethylbenzene | 10 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,2,4-Trimethylbenzene | 15 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,3,5-Trimethylbenzene | 120 | | | <5.0 | <5.0 | <5.0 | <5.0 |
| Vinyl acetate | 410 | | | <10.0 | <10.0 | <10.0 | <10.0 |
| Vinyl chloride | 0.019 | 2 | | <5.0 | <5.0 | <5.0 | <5.0 |
| Xylene (Total) | 190 | 10,000 | | <10.0 | <10.0 | <10.0 | <10.0 |
| m&p-Xylene | | | | <10.0 | <10.0 | <10.0 | <10.0 |
| o-Xylene | 190 | | | <5.0 | <5.0 | <5.0 | <5.0 |

Notes:
1. All results are ug/L = micrograms per Liter
2. Groundwater samples collected on August 3,2016.
3. "J" values denote estimated concentrations above the adjusted method detection limit and below the adjusted reporting limit
4. Screening Levels as presented in the EPA Regional Screening Level Summary Table (TR-1E-6, HQ=1) dated May 2016
5. Maximum Contaminant Levels (MCL) from SC Primary Drinking water Regulations dated October 2014

# TABLE 2 cont'd
# GROUNDWATER ANALYTICAL RESULTS
# WATER DEPARTMENT SITE - CITY OF SUMTER
# SUMTER, SOUTH CAROLINA


| Contaminant | Tapwater (ug/L) | MCL (ug/L) | Sample Number / Units | GW-5 ug/L | GW-6 ug/L | GW-7 ug/L | GW-8 ug/L |
|---|---|---|---|---|---|---|---|
| Acetone | 14,000 | | | <25.0 | <25.0 | <250 | <3,120 |
| Acetonitrile | 130 | | | <50.0 | <50.0 | <500 | <6,250 |
| Acrolein | 0.042 | | | <100 | <100 | <1,000 | <12,500 |
| Acrylonitrile | 0.052 | | | <100 | <100 | <1,000 | <12,500 |
| Allyl chloride | 0.73 | | | <50.0 | <50.0 | <500 | <6,250 |
| tert-Amyl Alcohol | 6.3 | | | <100 | <100 | <1,000 | <12,500 |
| tert-Amylmethyl ether | | | | <10.0 | <10.0 | <100 | <1,250 |
| Benzene | 0.46 | 5 | | <5.0 | <5.0 | <50.0 | **5,000** |
| Bromobenzene | 62 | | | <5.0 | <5.0 | <50.0 | <625 |
| Bromochloromethane | 83 | | | <5.0 | <5.0 | <50.0 | <625 |
| Bromodichloromethane | 0.13 | | | <5.0 | <5.0 | <50.0 | <625 |
| Bromoform | 3.3 | | | <5.0 | <5.0 | <50.0 | <625 |
| Bromomethane | 7.5 | | | <10.0 | <10.0 | <100 | <1,250 |
| Total BTEX | | | | <5.0 | <5.0 | 6,550 | 27,500 |
| 3,3-Dimethyl-1-Butanol | | | | <100 | <100 | <1,000 | <12,500 |
| 2-Butanone (MEK) | 5,600 | | | <10.0 | <10.0 | <100 | <1,250 |
| tert-Butyl Alcohol | | | | <100 | <100 | <1,000 | <12,500 |
| n-Butylbenzene | 1,000 | | | <5.0 | <5.0 | <50.0 | <625 |
| sec-Butylbenzene | 2,000 | | | <5.0 | <5.0 | <50.0 | <625 |
| tert-Butylbenzene | 690 | | | <5.0 | <5.0 | <50.0 | <625 |
| tert-Butyl Formate | | | | <50.0 | <50.0 | <500 | <6,250 |
| Carbon disulfide | 810 | | | <10.0 | <10.0 | <100 | <1,250 |
| Carbon tetrachloride | 0.46 | 5 | | <5.0 | <5.0 | <50.0 | <625 |
| Chlorobenzene | 78 | | | <5.0 | <5.0 | <50.0 | <625 |
| Chloroethane | 21,000 | | | <10.0 | <10.0 | <100 | <1,250 |
| 2-Chloroethylvinyl ether | | | | <10.0 | <10.0 | <100 | <1,250 |
| Chloroform | 0.22 | | | <5.0 | <5.0 | <50.0 | <625 |
| Chloromethane | 190 | | | <5.0 | <5.0 | <50.0 | <625 |
| Chloroprene | 0.019 | | | <5.0 | <5.0 | <50.0 | <625 |
| 2-Chlorotoluene | 240 | | | <5.0 | <5.0 | <50.0 | <625 |
| 4-Chlorotoluene | 250 | | | <5.0 | <5.0 | <50.0 | <625 |
| Cyclohexane | 13,000 | | | <250 | <250 | 65.5 | 1,060 |
| Cyclohexanone | 1,400 | | | <2.0 | <2.0 | <2,500 | <31,200 |
| 1,2 Dibromo-3-chloropropane | 0.00033 | | | <5.0 | <5.0 | <20.0 | <250 |
| Dibromochloromethane | 0.87 | | | <5.0 | <5.0 | <50.0 | <625 |
| 1,2-Dibromoethane (EDB) | 0.0075 | | | <5.0 | <5.0 | <50.0 | <625 |
| Dibromomethane | 8.3 | | | <5.0 | <5.0 | <50.0 | <625 |
| 1,2-Dichlorobenzene | 300 | | | <5.0 | <5.0 | <50.0 | <625 |
| 1,3-Dichlorobenzene | | | | <5.0 | <5.0 | <50.0 | <625 |
| 1,4-Dichlorobenzene | 0.48 | | | <5.0 | <5.0 | <50.0 | <625 |
| cis-1,4-Dichloro-2-butene | 0.0013 | | | <5.0 | <5.0 | <50.0 | <625 |
| trans-1,4-Dichloro-2-butene | 0.0013 | | | <5.0 | <5.0 | <50.0 | <625 |
| Dichlorodifluoromethane | 200 | | | <5.0 | <5.0 | <50.0 | <625 |
| 1,1-Dichloroethane | 2.8 | | | <5.0 | <5.0 | <50.0 | <625 |
| 1,2-Dichloroethane | 0.17 | 5 | | <5.0 | <5.0 | <50.0 | <625 |
| 1,2-Dichloroethene (Total) | | | | <5.0 | <5.0 | <50.0 | <625 |
| 1,1-Dichloroethene | 280 | 7 | | <5.0 | <5.0 | <50.0 | <625 |
| cis-1,2-Dichloroethene | 36 | 70 | | <5.0 | <5.0 | <50.0 | <625 |
| trans-1,2-Dichloroethene | 360 | 100 | | <5.0 | <5.0 | <50.0 | <625 |
| 1,2-Dichloropropane | 0.44 | 5 | | <5.0 | <5.0 | <50.0 | <625 |
| 1,3-Dichloropropane | 370 | | | <5.0 | <5.0 | <50.0 | <625 |
| 2,2-Dichloropropane | | | | <5.0 | <5.0 | <50.0 | <625 |
| 1,1-Dichloropropene | | | | <5.0 | <5.0 | <50.0 | <625 |
| cis-1,3-Dichloropropene | | | | <5.0 | <5.0 | <50.0 | <625 |
| trans-1,3-Dichloropropene | | | | <5.0 | <5.0 | <50.0 | <625 |
| Diethyl ether (Ethyl ether) | 3,900 | | | <5.0 | <5.0 | <50.0 | <625 |
| Diisopropyl ether | 1,500 | | | <5.0 | <5.0 | <50.0 | <625 |
| 1,4-Dioxane (p-Dioxane) | 0.46 | | | <150 | <150 | <1,500 | <18,800 |
| Ethanol | | | | <200 | <200 | <2,000 | <25,000 |
| Ethyl acetate | 140 | | | <100 | <100 | <1,000 | <12,500 |
| Ethylbenzene | 1.5 | 700 | | <5.0 | <5.0 | **1,170** | **1,710** |
| Ethyl methacrylate | 630 | | | <5.0 | <5.0 | <50.0 | <625 |
| Ethyl-tert-butyl ether | | | | <10.0 | <10.0 | <100 | <1,250 |
| Hexachloro-1,3-butadiene | 0.14 | | | <5.0 | <5.0 | <50.0 | <625 |
| n-Hexane | 1,500 | | | <5.0 | <5.0 | 45.7J | 849 |
| 2-Hexanone | 38 | | | <10.0 | <10.0 | <100 | <1,250 |
| Iodomethane | | | | <10.0 | <10.0 | <100 | <1,250 |
| Isobutanol | 5,900 | | | <100 | <100 | <1,000 | <12,500 |
| Isopropylbenzene(Cumene) | 450 | | | <5.0 | <5.0 | 44.1J | <625 |
| p-Isopropyltoluene | | | | <5.0 | <5.0 | <50.0 | <625 |
| Methacrylonitrile | 1.9 | | | <50.0 | <50.0 | <500 | <6,250 |
| Methyl acetate | 20,000 | | | <10.0 | <10.0 | <100 | <1,250 |
| Methylcyclohexane | | | | <10.0 | <10.0 | 72.1J | 1,360 |
| Methylene Chloride | 11 | | | <5.0 | <5.0 | <50.0 | <625 |
| Methyl methacrylate | 1,400 | | | <5.0 | <5.0 | <50.0 | <625 |
| 4-Methyl-2-pentanone (MIBK) | 6,300 | | | <10.0 | <10.0 | <100 | <1,250 |
| Methyl-tert-butyl ether | 14 | | | <5.0 | <5.0 | <50.0 | <625 |
| Naphthalene | 0.17 | | | <5.0 | <5.0 | **309** | **607J** |
| Pentachloroethane | 0.65 | | | <5.0 | <5.0 | <50.0 | <625 |
| Propionitrile | | | | <50.0 | <50.0 | <500 | <6,250 |
| n-Propylbenzene | 660 | | | <5.0 | <5.0 | 83.3 | 257J |
| Styrene | 1,200 | 100 | | <5.0 | <5.0 | 27.3J | <625 |
| 1,1,1,2-Tetrachloroethane | 0.57 | | | <5.0 | <5.0 | <50.0 | <625 |
| 1,1,2,2-Tetrachloroethane | 0.076 | | | <5.0 | <5.0 | <50.0 | <625 |
| Tetrachloroethene | 11 | 5 | | <5.0 | <5.0 | <50.0 | <625 |
| Tetrahydrofuran | 3,400 | | | <50.0 | <50.0 | <500 | <6,250 |
| Toluene | 1,100 | 1,000 | | <5.0 | <5.0 | 933 | **13,000** |
| 1,2,3-Trichlorobenzene | 7 | | | <5.0 | <5.0 | <50.0 | <625 |
| 1,2,4-Trichlorobenzene | 1.2 | 70 | | <5.0 | <5.0 | <50.0 | <625 |
| 1,1,1-Trichloroethane | 8,000 | 200 | | <5.0 | <5.0 | <50.0 | <625 |
| 1,1,2-Trichloroethane | 0.28 | 5 | | <5.0 | <5.0 | <50.0 | <625 |
| Trichloroethene | 0.49 | 5 | | <5.0 | <5.0 | <50.0 | <625 |
| Trichlorofluoromethane | 1,100 | | | <10.0 | <10.0 | <100 | <1,250 |
| 1,2,3-Trichloropropane | 0.00075 | | | <5.0 | <5.0 | <50.0 | <625 |
| 1,1,2-Trichlorofluoroethane | 55,000 | | | <5.0 | <5.0 | <50.0 | <625 |
| 1,2,3-Trimethylbenzene | 10 | | | <5.0 | <5.0 | **204** | **532J** |
| 1,2,4-Trimethylbenzene | 15 | | | <5.0 | <5.0 | **667** | **1,610** |
| 1,3,5-Trimethylbenzene | 120 | | | <5.0 | <5.0 | <50.0 | **525J** |
| Vinyl acetate | 410 | | | <10.0 | <10.0 | <100 | <1,250 |
| Vinyl chloride | 0.019 | 2 | | <5.0 | <5.0 | <50.0 | <625 |
| Xylene (Total) | 190 | 10,000 | | <10.0 | <10.0 | **4,440** | **7,760** |
| m&p-Xylene | | | | <10.0 | <10.0 | 3,040 | 5,340 |
| o-Xylene | 190 | | | <5.0 | <5.0 | **1,400** | **2,410** |

Notes:
1. All results are ug/L = micrograms per Liter
2. Groundwater samples collected on August 3,2016.
3. "J" values denote estimated concentrations above the adjusted method detection limit and below the adjusted reporting limit
4. Screening Levels as presented in the EPA Regional Screening Level Summary Table (TR-1E-6, HQ=1) dated May 2016
5. Maximum Contaminant Levels (MCL) from SC Primary Drinking water Regulations dated October 2014

# FIGURES

DeLorme Street Atlas USA® 2014

Data use subject to license.

© DeLorme. DeLorme Street Atlas USA® 2014.

www.delorme.com

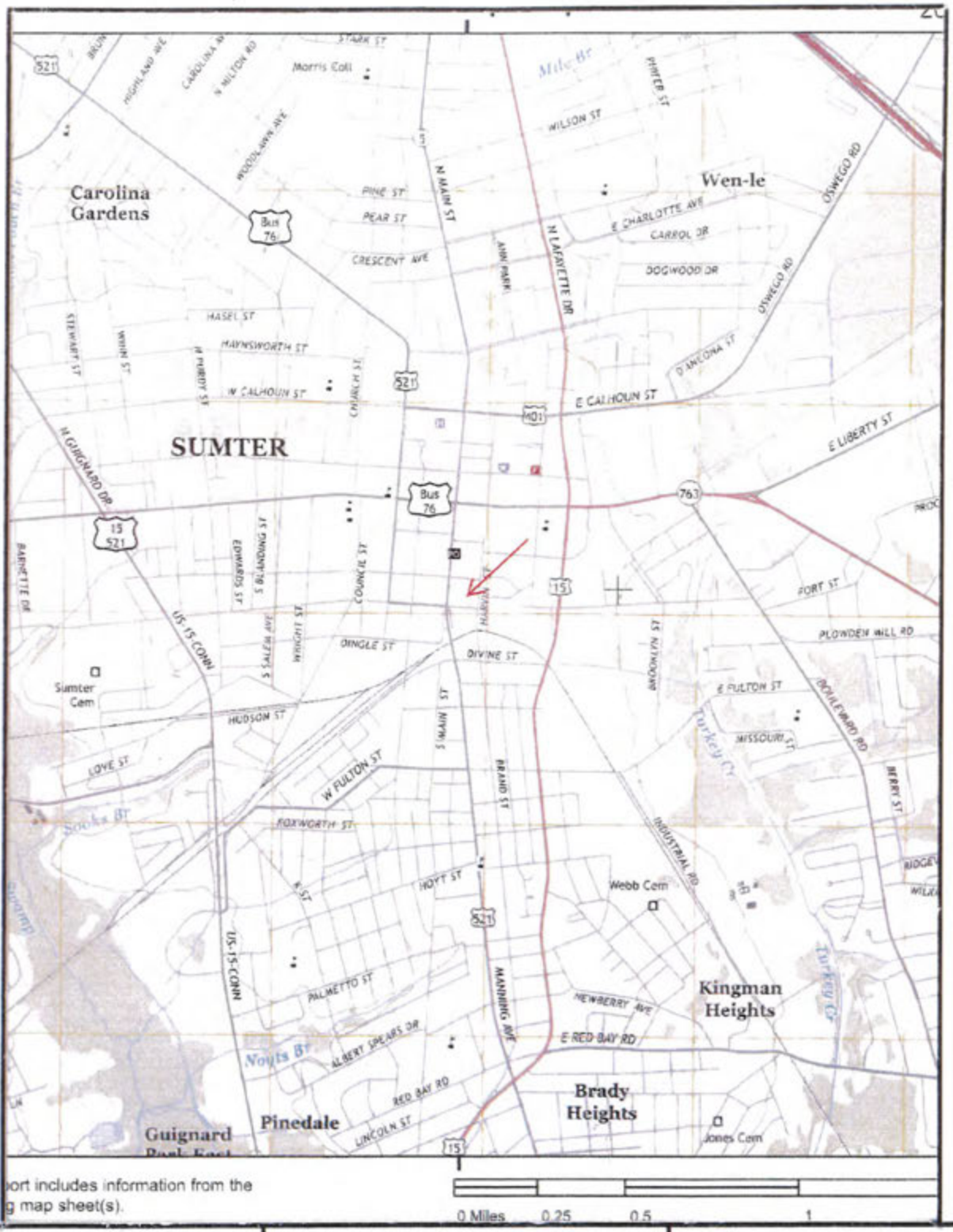
TN

MN (7.8°W)

Scale 1 : 4,800

1" = 400.0 ft

Data Zoom 15-4




port includes information from the
g map sheet(s).

0 Miles 0.25 0.5 1

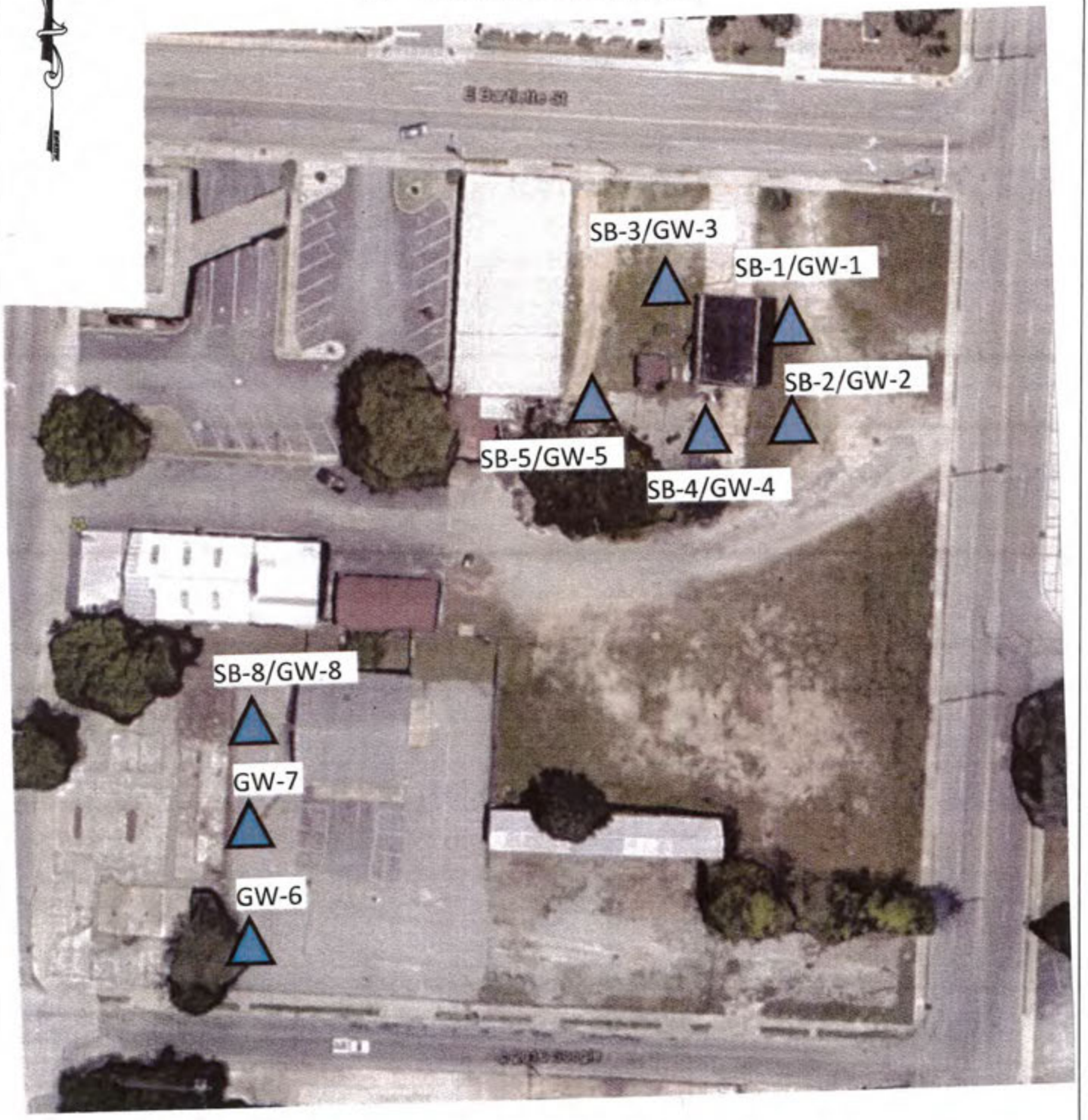
UTILITY BILLING SITE
S. MAIN & E. BARTLETTE STREETS
SUMTER, SOUTH CAROLINA

FIGURE 2
USGS TOPOGRAPHIC MAP
7.5 MINUTE SERIES
"SUMTER EAST, SC" QUADRANGLE

Emerald, Inc.
Sumter, SC

## LEGEND

▲ Direct Push Sampling Location




Approximate Scale 1' = 66 Feet

Map obtained from Sumter County, SC GIS

| PROJECT: | SHEET TITLE: | DATE: | |
|---|---|---|---|
| Water Department Site<br>City of Sumter<br>Oakland and Harvin St.<br>Sumter, South Carolina | Figure 3<br>Site Base Map | 8/29/16 | EMERALD, INC.<br>Sumter, SC |

# APPENDIX A

## BORING LOGS AND WATER WELL RECORDS

D H E C
PROMOTE PROTECT PROSPER

# Water Well Record
## Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

**1. WELL OWNER INFORMATION:**
Name: City of Sumter (last) (first)
Address: P.O. Box 1149
City: Sumter State: SC Zip:
Telephone: Work: Home:

**2. LOCATION OF WELL:** COUNTY: Sumter
Name:
Street Address: South Harvin St
City: Sumter Zip:
Latitude: Longitude:

**3. PUBLIC SYSTEM NAME:** **PUBLIC SYSTEM NUMBER:**

**4. ABANDONMENT:** ☑ Yes ☐ No
Give Details Below
Grouted Depth: from 0 ft. to 10 ft.

| Formation Description | *Thickness of Stratum | Depth to Bottom of Stratum |
|---|---|---|
| See Geologist Logs | | |
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| *Indicate Water Bearing Zones (Use a 2nd sheet if needed) | | |

**5. REMARKS:**
SB-1

**6. TYPE:** ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

**7. PERMIT NUMBER:** MW-10742

**8. USE:**
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☑ Test Well ☐ Monitor Well ☐ Replacement

**9. WELL DEPTH** (completed) Date Started: 8/3/16
10 ft. Date Completed: 8/3/16

**10. CASING:** ☐ Threaded ☐ Welded
Diam.: _____
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

**11. SCREEN:**
Type: _____ Diam.: _____
Slot/Gauge: _____ Length: _____
Set Between: _____ ft. and _____ ft.
_____ ft. and _____ ft.
**NOTE: MULTIPLE SCREENS USE SECOND SHEET**
Sieve Analysis ☐ Yes (please enclose) ☐ No

**12. STATIC WATER LEVEL** _____ ft. below land surface after 24 hours

**13. PUMPING LEVEL** Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

**14. WATER QUALITY**
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

**15. ARTIFICIAL FILTER** (filter pack) ☐ Yes ☐ No
Installed from _____ ft. to _____ ft.
Effective size _____ Uniformity Coefficient _____

**16. WELL GROUTED?** ☐ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:** ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

**18. PUMP:** Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

**19. WELL DRILLER:** William Walker **CERT. NO.:** 2042
Address: (Print) Level: A B C D (circle one)
1317 Hummingbird Dr
West Columbia, SC, 29169
Telephone No.: 803-351-7936 Fax No.:

**20. WATER WELL DRILLER'S CERTIFICATION:** This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 8/29/16
Well Driller

If D Level Driller, provide supervising driller's name:



COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

D H E C
PROMOTE PROTECT PROSPER

# Water Well Record
## Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

**1. WELL OWNER INFORMATION:**
Name: City of Sumter (last) (first)
Address: P.O. Box 1149
City: Sumter State: SC Zip:
Telephone: Work: Home:

**2. LOCATION OF WELL:** COUNTY: Sumter
Name:
Street Address: South Harvin St
City: Sumter Zip:
Latitude: Longitude:

**3. PUBLIC SYSTEM NAME:** **PUBLIC SYSTEM NUMBER:**

**4. ABANDONMENT:** ☑ Yes ☐ No
Give Details Below
Grouted Depth: from 0 ft. to 10 ft.

| Formation Description | *Thickness of Stratum | Depth to Bottom of Stratum |
|---|---|---|
| See Geologist Logs | | |
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| *Indicate Water Bearing Zones (Use a 2nd sheet if needed) | | |

**5. REMARKS:**
SB-2

**6. TYPE:** ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

**7. PERMIT NUMBER:** MW-10742

**8. USE:**
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☑ Test Well ☐ Monitor Well ☐ Replacement

**9. WELL DEPTH** (completed) Date Started: 8/3/16
10 ft. Date Completed: 8/3/16

**10. CASING:** ☐ Threaded ☐ Welded
Diam.: _____
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

**11. SCREEN:**
Type: _____ Diam.: _____
Slot/Gauge: _____ Length: _____
Set Between: _____ ft. and _____ ft.
_____ ft. and _____ ft.
**NOTE: MULTIPLE SCREENS USE SECOND SHEET**
Sieve Analysis ☐ Yes (please enclose) ☐ No

**12. STATIC WATER LEVEL** _____ ft. below land surface after 24 hours

**13. PUMPING LEVEL** Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

**14. WATER QUALITY**
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

**15. ARTIFICIAL FILTER** (filter pack) ☐ Yes ☐ No
Installed from _____ ft. to _____ ft.
Effective size _____ Uniformity Coefficient _____

**16. WELL GROUTED?** ☐ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:** ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

**18. PUMP:** Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine
☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

**19. WELL DRILLER:** William Walker **CERT. NO.:** 2042
Address: (Print) Level: A B C D (circle one)
1317 Hummingbird Dr
West Columbia, SC, 29169
Telephone No.: 803-351-7936 Fax No.:

**20. WATER WELL DRILLER'S CERTIFICATION:** This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 8/29/16
Well Driller

If D Level Driller, provide supervising driller's name:



COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

D H E C
PROMOTE PROTECT PROSPER

# Water Well Record
## Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

**1. WELL OWNER INFORMATION:**
Name: City of Sumter (last) (first)
Address: P.O. Box 1149
City: Sumter State: SC Zip:
Telephone: Work: Home:

**2. LOCATION OF WELL:** COUNTY: Sumter
Name:
Street Address: South Harvin St
City: Sumter Zip:
Latitude: Longitude:

**3. PUBLIC SYSTEM NAME:** **PUBLIC SYSTEM NUMBER:**

**4. ABANDONMENT:** ☑ Yes ☐ No
Give Details Below
Grouted Depth: from 0 ft. to 10 ft.

| Formation Description | *Thickness of Stratum | Depth to Bottom of Stratum |
|---|---|---|
| See Geologist Logs | | |
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| *Indicate Water Bearing Zones (Use a 2nd sheet if needed) | | |

**5. REMARKS:**
SB-3

**6. TYPE:** ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

**7. PERMIT NUMBER:** MW-10742

**8. USE:**
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☑ Test Well ☐ Monitor Well ☐ Replacement

**9. WELL DEPTH** (completed) Date Started: 8/3/16
10 ft. Date Completed: 8/3/16

**10. CASING:** ☐ Threaded ☐ Welded
Diam.: _____
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

**11. SCREEN:**
Type: _____ Diam.: _____
Slot/Gauge: _____ Length: _____
Set Between: _____ ft. and _____ ft.
_____ ft. and _____ ft.
**NOTE: MULTIPLE SCREENS USE SECOND SHEET**
Sieve Analysis ☐ Yes (please enclose) ☐ No

**12. STATIC WATER LEVEL** _____ ft. below land surface after 24 hours

**13. PUMPING LEVEL** Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

**14. WATER QUALITY**
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

**15. ARTIFICIAL FILTER** (filter pack) ☐ Yes ☐ No
Installed from _____ ft. to _____ ft.
Effective size _____ Uniformity Coefficient _____

**16. WELL GROUTED?** ☐ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:** ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

**18. PUMP:** Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

**19. WELL DRILLER:** William Walker **CERT. NO.:** 2042
Address: (Print) Level: A B C D (circle one)
1317 Hummingbird Dr
West Columbia, SC, 29169
Telephone No.: 803-351-7956 Fax No.:

**20. WATER WELL DRILLER'S CERTIFICATION:** This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 8/29/16
Well Driller

If D Level Driller, provide supervising driller's name:



COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

D H E C

PROMOTE PROTECT PROSPER

# Water Well Record
## Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

**1. WELL OWNER INFORMATION:**
Name: City of Sumter (last) (first)
Address: P.O. Box 1149
City: Sumter State: SC Zip:
Telephone: Work: Home:

**2. LOCATION OF WELL:** COUNTY: Sumter
Name:
Street Address: South Harvin St
City: Sumter Zip:
Latitude: Longitude:

**3. PUBLIC SYSTEM NAME:** **PUBLIC SYSTEM NUMBER:**

**4. ABANDONMENT:** ☐ Yes ☐ No
Give Details Below
Grouted Depth: from 0 ft. to 10 ft.

| Formation Description | *Thickness of Stratum | Depth to Bottom of Stratum |
|---|---|---|
| See Geologist Logs | | |
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| *Indicate Water Bearing Zones (Use a 2nd sheet if needed) | | |

**5. REMARKS:**
SB-4

**6. TYPE:** ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

**7. PERMIT NUMBER:** MW-10742

**8. USE:**
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☑ Test Well ☐ Monitor Well ☐ Replacement

**9. WELL DEPTH** (completed) Date Started: 8/3/16
10 ft. Date Completed: 8/3/16

**10. CASING:** ☐ Threaded ☐ Welded
Diam.: _____
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

**11. SCREEN:**
Type: _____ Diam.: _____
Slot/Gauge: _____ Length: _____
Set Between: _____ ft. and _____ ft.
_____ ft. and _____ ft.
**NOTE: MULTIPLE SCREENS USE SECOND SHEET**
Sieve Analysis ☐ Yes (please enclose) ☐ No

**12. STATIC WATER LEVEL** _____ ft. below land surface after 24 hours

**13. PUMPING LEVEL** Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

**14. WATER QUALITY**
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

**15. ARTIFICIAL FILTER** (filter pack) ☐ Yes ☐ No
Installed from _____ ft. to _____ ft.
Effective size _____ Uniformity Coefficient _____

**16. WELL GROUTED?** ☐ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:** ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

**18. PUMP:** Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

**19. WELL DRILLER:** William Walker **CERT. NO.:** 2042
Address: (Print) Level: A B C D (circle one)
1317 Hummingbird Dr
West Columbia, SC, 29169
Telephone No.: 803-351-7956 Fax No.:

**20. WATER WELL DRILLER'S CERTIFICATION:** This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 8/29/16
Well Driller

If D Level Driller, provide supervising driller's name:



COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

D H E C

PROMOTE PROTECT PROSPER

# Water Well Record
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2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

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Name:
Street Address: South Harvin St
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Latitude: Longitude:

**3. PUBLIC SYSTEM NAME:** **PUBLIC SYSTEM NUMBER:**

**4. ABANDONMENT:** ☑ Yes ☐ No
Give Details Below
Grouted Depth: from 0 ft. to 10 ft.

| Formation Description | *Thickness of Stratum | Depth to Bottom of Stratum |
|---|---|---|
| See Geologist Logs | | |
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| *Indicate Water Bearing Zones (Use a 2nd sheet if needed) | | |

**5. REMARKS:**
SB-5

**6. TYPE:** ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

**7. PERMIT NUMBER:** MW-10742

**8. USE:**
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☑ Test Well ☐ Monitor Well ☐ Replacement

**9. WELL DEPTH** (completed) Date Started: 8/3/16
10 ft. Date Completed: 8/3/16

**10. CASING:** ☐ Threaded ☐ Welded
Diam.:
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
in. to ft. depth
in. to ft. depth
Height: Above/Below Surface ft.
Weight lb./ft.
Drive Shoe? ☐ Yes ☐ No

**11. SCREEN:**
Type: Diam.:
Slot/Gauge: Length:
Set Between: ft. and ft.
ft. and ft.
**NOTE: MULTIPLE SCREENS USE SECOND SHEET**
Sieve Analysis ☐ Yes (please enclose) ☐ No

**12. STATIC WATER LEVEL** ft. below land surface after 24 hours

**13. PUMPING LEVEL** Below Land Surface.
ft. after hrs. Pumping G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield:

**14. WATER QUALITY**
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

**15. ARTIFICIAL FILTER** (filter pack) ☐ Yes ☐ No
Installed from ft. to ft.
Effective size Uniformity Coefficient

**16. WELL GROUTED?** ☐ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other
Depth: From ft. to ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:** ft. direction
Type
Well Disinfected ☐ Yes ☐ No Type: Amount:

**18. PUMP:** Date installed: Not installed ☐
Mfr. Name: Model No.:
H.P. Volts Length of drop pipe ft. Capacity gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

**19. WELL DRILLER:** William Walker **CERT. NO.:** 2042
Address: (Print) Level: A B C D (circle one)
1317 Hummingbird Dr
West Columbia, SC, 29169
Telephone No.: 803-351-7930 Fax No.:

**20. WATER WELL DRILLER'S CERTIFICATION:** This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Date: 8/29/16
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

D H E C
PROMOTE PROTECT PROSPER

# Water Well Record
## Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

**1. WELL OWNER INFORMATION:**
Name: City of Sumter (last) (first)
Address: P.O. Box 1149
City: Sumter State: SC Zip:
Telephone: Work: Home:

**2. LOCATION OF WELL:** COUNTY: Sumter
Name:
Street Address: South Harvin St
City: Sumter Zip:
Latitude: Longitude:

**3. PUBLIC SYSTEM NAME:** **PUBLIC SYSTEM NUMBER:**

**4. ABANDONMENT:** ☑ Yes ☐ No
Give Details Below
Grouted Depth: from 0 ft. to 5 ft.

| Formation Description | *Thickness of Stratum | Depth to Bottom of Stratum |
|---|---|---|
| See Geologist Logs | | |
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| *Indicate Water Bearing Zones (Use a 2nd sheet if needed) | | |

**5. REMARKS:**
SB-8

**6. TYPE:** ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

**7. PERMIT NUMBER:** MW-10742

**8. USE:**
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☑ Test Well ☐ Monitor Well ☐ Replacement

**9. WELL DEPTH** (completed) Date Started: 8/3/16
5 ft. Date Completed: 8/3/16

**10. CASING:** ☐ Threaded ☐ Welded
Diam.: ____
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
____ in. to ____ ft. depth
____ in. to ____ ft. depth
Height: Above/Below Surface ____ ft.
Weight ____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

**11. SCREEN:**
Type: ____ Diam.: ____
Slot/Gauge: ____ Length: ____
Set Between: ____ ft. and ____ ft.
____ ft. and ____ ft.
**NOTE: MULTIPLE SCREENS USE SECOND SHEET**
Sieve Analysis ☐ Yes (please enclose) ☐ No

**12. STATIC WATER LEVEL** ____ ft. below land surface after 24 hours

**13. PUMPING LEVEL** Below Land Surface.
____ ft. after ____ hrs. Pumping ____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: ____

**14. WATER QUALITY**
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

**15. ARTIFICIAL FILTER** (filter pack) ☐ Yes ☐ No
Installed from ____ ft. to ____ ft.
Effective size ____ Uniformity Coefficient ____

**16. WELL GROUTED?** ☐ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other ____
Depth: From ____ ft. to ____ ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:** ____ ft. ____ direction
Type ____
Well Disinfected ☐ Yes ☐ No Type: ____ Amount: ____

**18. PUMP:** Date installed: ____ Not installed ☐
Mfr. Name: ____ Model No.: ____
H.P. ____ Volts ____ Length of drop pipe ____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

**19. WELL DRILLER:** William Walker **CERT. NO.:** 2042
Address: (Print) Level: A B C D (circle one)
1317 Hummingbird Dr
West Columbia, SC, 29169
Telephone No.: 803-351-7930 Fax No.:

**20. WATER WELL DRILLER'S CERTIFICATION:** This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: ____ Date: 8/29/16
Well Driller

If D Level Driller, provide supervising driller's name:



COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

# EMERALD, INC.

## FIELD ACTIVITY LOG

**Site:** Water Department Site – City of Sumter
**Date:** 9/3/16
**Personnel:** Emerald, Inc. – Chad McClary
W. Walker Environmental Services LLC – W. Walker

| LOCATION | DATE | DEPTH (Ft. BGS) | PID | DESCRIPTION | MOISTURE CONTENT | COMMENTS |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | **SOIL SAMPLING** | | |
| | | | | | | |
| SB-1 | 9/3/16 | 5 | ND | Brown, Silty Fine to Medium SAND | Dry | Grass at surface Loose |
| | | | | | | |
| | | 10 | 3.3 | Red, Silty Fine to Medium Sandy CLAY | Dry | Plastic |
| | | | | | | |
| | | | | Sample collected at 10 feet and analyzed for volatiles by EPA 8260 | | |
| | | | | | | |
| SB-2 | 9/3/16 | 5 | ND | Brown, Silty Fine to Medium SAND | Dry | Grass at surface Loose |
| | | | | | | |
| | | 10 | ND | Red, Silty Fine to Medium Sandy CLAY | Dry | Plastic |
| | | | | | | |
| | | | | Sample collected at 5 feet and analyzed for volatiles by EPA 8260 | | |
| | | | | | | |
| SB-3 | 9/3/16 | 5 | 5.4 | Brown, Silty Fine to Medium SAND | Dry | Grass at surface Loose |
| | | | | | | |
| | | 10 | ND | Red, Silty Fine to Medium Sandy CLAY | Dry | Plastic |
| | | | | | | |
| | | | | Sample collected at 10 feet and analyzed for volatiles by EPA 8260 | | |
| | | | | | | |
| SB-4 | 9/3/16 | 5 | ND | Brown, Silty Fine to Medium SAND | Dry | Concrete at surface Loose |
| | | | | | | |
| | | 10 | ND | Red, Silty Fine to Medium Sandy CLAY | Dry | Plastic |
| | | | | | | |
| | | | | Sample collected at 5 feet and analyzed for volatiles by EPA 8260 | | |
| | | | | | | |

BGS = Below Ground Surface

# EMERALD, INC.

## FIELD ACTIVITY LOG

**Site:** Water Department Site – City of Sumter
**Date:** 9/3/16
**Personnel:** Emerald, Inc. – Chad McClary
W. Walker Environmental Services LLC – W. Walker

| LOCATION | DATE | DEPTH (Ft. BGS) | PID | DESCRIPTION | MOISTURE CONTENT | COMMENTS |
|---|---|---|---|---|---|---|
| | | | | | | |
| SB-5 | 9/3/16 | 5 | ND | Brown, Silty Fine to Medium SAND | Dry | Grass at surface Loose |
| | | | | | | |
| | | 10 | ND | Red, Silty Fine to Medium Sandy CLAY | Dry | Plastic |
| | | | | | | |
| | | | | Sample collected at 5 feet and analyzed for volatiles by EPA 8260 | | |
| | | | | | | |
| SB-8 | 9/3/16 | 5 | ND | Tan, Silty Fine to Medium SAND | Dry | Asphalt at surface Loose |
| | | | | | | |
| | | | | **GROUNDWATER SAMPLING** | | |
| | | | | | | |
| GW-1 | 9/3/16 | 13-17 | N/A | No Petroleum Odor | | |
| GW-2 | 9/3/16 | 10-14 | N/A | No Petroleum Odor | | |
| GW-3 | 9/3/16 | 10-14 | N/A | No Petroleum Odor | | |
| GW-4 | 9/3/16 | 10-14 | N/A | No Petroleum Odor | | |
| GW-5 | 9/3/16 | 10-14 | N/A | No Petroleum Odor | | |
| GW-6 | 9/3/16 | 10-14 | N/A | No Petroleum Odor | | |
| GW-7 | 9/3/16 | 10-14 | N/A | Strong Petroleum Odor | | |
| GW-8 | 9/3/16 | 10-14 | N/A | Strong Petroleum Odor | | |
| | | | | | | |
| | | | | Groundwater samples analyzed for volatiles by EPA 8260 | | |

BGS = Below Ground Surface

D H E C
PROMOTE PROTECT PROSPER

# Water Well Record
## Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

**1. WELL OWNER INFORMATION:**
Name: City of Sumter (last) (first)
Address: P.O. Box 1149
City: Sumter State: SC Zip:
Telephone: Work: Home:

**2. LOCATION OF WELL:** COUNTY: Sumter
Name:
Street Address: South Harvin St
City: Sumter Zip:
Latitude: Longitude:

**3. PUBLIC SYSTEM NAME:** **PUBLIC SYSTEM NUMBER:**

**4. ABANDONMENT:** ☑ Yes ☐ No
Give Details Below
Grouted Depth: from 0 ft. to 17 ft.

| Formation Description | *Thickness of Stratum | Depth to Bottom of Stratum |
|---|---|---|
| See Geologist Logs | | |
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| *Indicate Water Bearing Zones (Use a 2nd sheet if needed) | | |

**5. REMARKS:**
GW-1

**6. TYPE:** ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

**7. PERMIT NUMBER:** MW-10742

**8. USE:**
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☑ Test Well ☐ Monitor Well ☐ Replacement

**9. WELL DEPTH** (completed) Date Started: 8/3/16
17 ft. Date Completed: 8/3/16

**10. CASING:** ☑ Threaded ☐ Welded
Diam.: 1.5"
Type: ☐ PVC ☐ Galvanized ☑ Steel ☐ Other
0 in. to 13 ft. depth
in. to ft. depth
Height: Above/Below Surface ft.
Weight lb./ft.
Drive Shoe? ☐ Yes ☐ No

**11. SCREEN:**
Type: SS Diam.: 1.5"
Slot/Gauge: 0.010" Length: 4'
Set Between: 13 ft. and 17 ft.
ft. and ft.
**NOTE: MULTIPLE SCREENS USE SECOND SHEET**
Sieve Analysis ☐ Yes (please enclose) ☑ No

**12. STATIC WATER LEVEL** ft. below land surface after 24 hours

**13. PUMPING LEVEL** Below Land Surface.
ft. after hrs. Pumping G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield:

**14. WATER QUALITY**
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

**15. ARTIFICIAL FILTER** (filter pack) ☐ Yes ☑ No
Installed from ft. to ft.
Effective size Uniformity Coefficient

**16. WELL GROUTED?** ☐ Yes ☑ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other
Depth: From ft. to ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:** ft. direction
Type
Well Disinfected ☐ Yes ☑ No Type: Amount:

**18. PUMP:** Date installed: Not installed ☑
Mfr. Name: Model No.:
H.P. Volts Length of drop pipe ft. Capacity gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

**19. WELL DRILLER:** William Walker **CERT. NO.:** 2042
Address: (Print) Level: A B C D (circle one)
1317 Hummingbird Dr
West Columbia, SC, 29169
Telephone No.: 803-351-7936 Fax No.:

**20. WATER WELL DRILLER'S CERTIFICATION:** This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Date: 8/29/16
Well Driller

If D Level Driller, provide supervising driller's name:



COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

D H E C
PROMOTE PROTECT PROSPER

# Water Well Record
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Name: City of Sumter (last) (first)
Address: P.O. Box 1149
City: Sumter State: SC Zip:
Telephone: Work: Home:

**2. LOCATION OF WELL:** COUNTY: Sumter
Name:
Street Address: South Harvin St
City: Sumter Zip:
Latitude: Longitude:

**3. PUBLIC SYSTEM NAME:** **PUBLIC SYSTEM NUMBER:**

**4. ABANDONMENT:** ☑ Yes ☐ No
Give Details Below
Grouted Depth: from 0 ft. to 14 ft.

| Formation Description | *Thickness of Stratum | Depth to Bottom of Stratum |
|---|---|---|
| See Geologist Logs | | |
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| *Indicate Water Bearing Zones (Use a 2nd sheet if needed) | | |

**5. REMARKS:**
GW-2

**6. TYPE:** ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

**7. PERMIT NUMBER:** MW-10742

**8. USE:**
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☑ Test Well ☐ Monitor Well ☐ Replacement

**9. WELL DEPTH** (completed) Date Started: 8/3/16
14 ft. Date Completed: 8/3/16

**10. CASING:** ☑ Threaded ☐ Welded
Diam.: 1.5"
Type: ☐ PVC ☐ Galvanized ☑ Steel ☐ Other
0 in. to 10 ft. depth
in. to ft. depth
Height: Above/Below Surface ft.
Weight lb./ft.
Drive Shoe? ☐ Yes ☐ No

**11. SCREEN:**
Type: SS Diam.: 1.5"
Slot/Gauge: 0.010" Length: 4'
Set Between: 10 ft. and 14 ft.
ft. and ft.
**NOTE: MULTIPLE SCREENS USE SECOND SHEET**
Sieve Analysis ☐ Yes (please enclose) ☑ No

**12. STATIC WATER LEVEL** ft. below land surface after 24 hours

**13. PUMPING LEVEL** Below Land Surface.
ft. after hrs. Pumping G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield:

**14. WATER QUALITY**
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

**15. ARTIFICIAL FILTER** (filter pack) ☐ Yes ☑ No
Installed from ft. to ft.
Effective size Uniformity Coefficient

**16. WELL GROUTED?** ☐ Yes ☑ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other
Depth: From ft. to ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:** ft. direction
Type
Well Disinfected ☐ Yes ☑ No Type: Amount:

**18. PUMP:** Date installed: Not installed ☑
Mfr. Name: Model No.:
H.P. Volts Length of drop pipe ft. Capacity gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

**19. WELL DRILLER:** William Walker **CERT. NO.:** 2042
Address: (Print) Level: A B C D (circle one)
1317 Hummingbird Dr
West Columbia, SC, 29169
Telephone No.: 803-351-7956 Fax No.:

**20. WATER WELL DRILLER'S CERTIFICATION:** This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Date: 8/29/16
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

D H E C
PROMOTE PROTECT PROSPER

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Name:
Street Address: South Harvin St
City: Sumter Zip:
Latitude: Longitude:

**3. PUBLIC SYSTEM NAME:** **PUBLIC SYSTEM NUMBER:**

**4. ABANDONMENT:** ☑ Yes ☐ No
Give Details Below
Grouted Depth: from 0 ft. to 14 ft.

| Formation Description | *Thickness of Stratum | Depth to Bottom of Stratum |
|---|---|---|
| See Geologist Logs | | |
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| *Indicate Water Bearing Zones (Use a 2nd sheet if needed) | | |

**5. REMARKS:**
GW-3

**6. TYPE:** ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

**7. PERMIT NUMBER:** MW-10742

**8. USE:**
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☑ Test Well ☐ Monitor Well ☐ Replacement

**9. WELL DEPTH** (completed) Date Started: 8/3/16
14 ft. Date Completed: 8/3/16

**10. CASING:** ☑ Threaded ☐ Welded
Diam.: 1.5"
Type: ☐ PVC ☐ Galvanized ☑ Steel ☐ Other
0 in. to 10 ft. depth
in. to ft. depth
Height: Above/Below Surface ft.
Weight lb./ft.
Drive Shoe? ☐ Yes ☐ No

**11. SCREEN:**
Type: SS Diam.: 1.5"
Slot/Gauge: 0.010" Length: 4'
Set Between: 10 ft. and 14 ft.
ft. and ft.
**NOTE: MULTIPLE SCREENS USE SECOND SHEET**
Sieve Analysis ☐ Yes (please enclose) ☑ No

**12. STATIC WATER LEVEL** ft. below land surface after 24 hours

**13. PUMPING LEVEL** Below Land Surface.
ft. after hrs. Pumping G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield:

**14. WATER QUALITY**
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

**15. ARTIFICIAL FILTER** (filter pack) ☐ Yes ☑ No
Installed from ft. to ft.
Effective size Uniformity Coefficient

**16. WELL GROUTED?** ☐ Yes ☑ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other
Depth: From ft. to ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:** ft. direction
Type
Well Disinfected ☐ Yes ☑ No Type: Amount:

**18. PUMP:** Date installed: Not installed ☑
Mfr. Name: Model No.:
H.P. Volts Length of drop pipe ft. Capacity gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

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Signed: Date: 8/29/16
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

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| See Geologist Logs | | |
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| *Indicate Water Bearing Zones (Use a 2nd sheet if needed) | | |

**5. REMARKS:**
GW-4

**6. TYPE:** ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

**7. PERMIT NUMBER:** MW-10742

**8. USE:**
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☑ Test Well ☐ Monitor Well ☐ Replacement

**9. WELL DEPTH** (completed) Date Started: 8/3/16
14 ft. Date Completed: 8/3/16

**10. CASING:** ☑ Threaded ☐ Welded
Diam.: 1.5"
Type: ☐ PVC ☐ Galvanized ☑ Steel ☐ Other
0 in. to 10 ft. depth
in. to ft. depth
Height: Above/Below Surface ft.
Weight lb./ft.
Drive Shoe? ☐ Yes ☐ No

**11. SCREEN:**
Type: SS Diam.: 1.5"
Slot/Gauge: 0.010" Length: 4'
Set Between: 10 ft. and 14 ft.
ft. and ft.
**NOTE: MULTIPLE SCREENS USE SECOND SHEET**
Sieve Analysis ☐ Yes (please enclose) ☑ No

**12. STATIC WATER LEVEL** ft. below land surface after 24 hours

**13. PUMPING LEVEL** Below Land Surface.
ft. after hrs. Pumping G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield:

**14. WATER QUALITY**
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

**15. ARTIFICIAL FILTER** (filter pack) ☐ Yes ☑ No
Installed from ft. to ft.
Effective size Uniformity Coefficient

**16. WELL GROUTED?** ☐ Yes ☑ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other
Depth: From ft. to ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:** ft. direction
Type
Well Disinfected ☐ Yes ☑ No Type: Amount:

**18. PUMP:** Date installed: Not installed ☑
Mfr. Name: Model No.:
H.P. Volts Length of drop pipe ft. Capacity gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

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Signed: Date: 8/29/16
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

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D H E C
PROMOTE PROTECT PROSPER

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Grouted Depth: from 0 ft. to 14 ft.

| Formation Description | *Thickness of Stratum | Depth to Bottom of Stratum |
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| See Geologist Logs | | |
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| *Indicate Water Bearing Zones (Use a 2nd sheet if needed) | | |

**5. REMARKS:**
GW-5

**6. TYPE:** ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

**7. PERMIT NUMBER:** MW-10742

**8. USE:**
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14 ft. Date Completed: 8/3/16

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0 in. to 10 ft. depth
in. to ft. depth
Height: Above/Below Surface ft.
Weight lb./ft.
Drive Shoe? ☐ Yes ☐ No

**11. SCREEN:**
Type: SS Diam.: 1.5"
Slot/Gauge: 0.010" Length: 4'
Set Between: 10 ft. and 14 ft.
ft. and ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

**12. STATIC WATER LEVEL** ft. below land surface after 24 hours

**13. PUMPING LEVEL** Below Land Surface.
ft. after hrs. Pumping G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield:

**14. WATER QUALITY**
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

**15. ARTIFICIAL FILTER** (filter pack) ☐ Yes ☑ No
Installed from ft. to ft.
Effective size Uniformity Coefficient

**16. WELL GROUTED?** ☐ Yes ☑ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other
Depth: From ft. to ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:** ft. direction
Type
Well Disinfected ☐ Yes ☑ No Type: Amount:

**18. PUMP:** Date installed: Not installed ☑
Mfr. Name: Model No.:
H.P. Volts Length of drop pipe ft. Capacity gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

**19. WELL DRILLER:** William Walker CERT. NO.: 2042
Address: (Print) Level: A B C D (circle one)
1317 Hummingbird Dr
West Columbia, SC, 29169
Telephone No.: 803-351-7956 Fax No.:

**20. WATER WELL DRILLER'S CERTIFICATION:** This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Date: 8/29/16
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

D H E C
PROMOTE PROTECT PROSPER

# Water Well Record
## Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

**1. WELL OWNER INFORMATION:**
Name: City of Sumter (last) (first)
Address: P.O. Box 1149
City: Sumter State: SC Zip:
Telephone: Work: Home:

**2. LOCATION OF WELL:** COUNTY: Sumter
Name:
Street Address: South Harvin St
City: Sumter Zip:
Latitude: Longitude:

**3. PUBLIC SYSTEM NAME:** **PUBLIC SYSTEM NUMBER:**

**4. ABANDONMENT:** ☑ Yes ☐ No
Give Details Below
Grouted Depth: from 0 ft. to 14 ft.

| Formation Description | *Thickness of Stratum | Depth to Bottom of Stratum |
|---|---|---|
| See Geologist Logs | | |
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| *Indicate Water Bearing Zones (Use a 2nd sheet if needed) | | |

**5. REMARKS:**
GW-6

**6. TYPE:** ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

**7. PERMIT NUMBER:** MW-10742

**8. USE:**
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☑ Test Well ☐ Monitor Well ☐ Replacement

**9. WELL DEPTH** (completed) Date Started: 8/3/16
14 ft. Date Completed: 8/3/16

**10. CASING:** ☑ Threaded ☐ Welded
Diam.: 1.5"
Type: ☐ PVC ☐ Galvanized ☑ Steel ☐ Other
0 in. to 10 ft. depth
in. to ft. depth
Height: Above/Below Surface ft.
Weight lb./ft.
Drive Shoe? ☐ Yes ☐ No

**11. SCREEN:**
Type: SS Diam.: 1.5"
Slot/Gauge: 0.010" Length: 4'
Set Between: 10 ft. and 14 ft.
ft. and ft.
**NOTE: MULTIPLE SCREENS USE SECOND SHEET**
Sieve Analysis ☐ Yes (please enclose) ☑ No

**12. STATIC WATER LEVEL** ft. below land surface after 24 hours

**13. PUMPING LEVEL** Below Land Surface.
ft. after hrs. Pumping G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield:

**14. WATER QUALITY**
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

**15. ARTIFICIAL FILTER** (filter pack) ☐ Yes ☑ No
Installed from ft. to ft.
Effective size Uniformity Coefficient

**16. WELL GROUTED?** ☐ Yes ☑ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other
Depth: From ft. to ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:** ft. direction
Type
Well Disinfected ☐ Yes ☑ No Type: Amount:

**18. PUMP:** Date installed: Not installed ☑
Mfr. Name: Model No.:
H.P. Volts Length of drop pipe ft. Capacity gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

**19. WELL DRILLER:** William Walker **CERT. NO.:** 2042
Address: (Print) Level: A B C D (circle one)
1317 Hummingbird Dr
West Columbia, SC, 29169
Telephone No.: 803-351-7930 Fax No.:

**20. WATER WELL DRILLER'S CERTIFICATION:** This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Date: 8/29/16
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

D H E C
PROMOTE PROTECT PROSPER

# Water Well Record
## Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

**1. WELL OWNER INFORMATION:**
Name: City of Sumter (last) (first)
Address: P.O. Box 1149
City: Sumter State: SC Zip:
Telephone: Work: Home:

**2. LOCATION OF WELL:** COUNTY: Sumter
Name:
Street Address: South Harvin St
City: Sumter Zip:
Latitude: Longitude:

**3. PUBLIC SYSTEM NAME:** **PUBLIC SYSTEM NUMBER:**

**4. ABANDONMENT:** ☑ Yes ☐ No
Give Details Below
Grouted Depth: from 0 ft. to 14 ft.

| Formation Description | *Thickness of Stratum | Depth to Bottom of Stratum |
|---|---|---|
| See Geologist Logs | | |
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| *Indicate Water Bearing Zones (Use a 2nd sheet if needed) | | |

**5. REMARKS:**
GW-7

**6. TYPE:** ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

**7. PERMIT NUMBER:** MW-10742

**8. USE:**
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☑ Test Well ☐ Monitor Well ☐ Replacement

**9. WELL DEPTH** (completed) Date Started: 8/3/16
14 ft. Date Completed: 8/3/16

**10. CASING:** ☑ Threaded ☐ Welded
Diam.: 1.5"
Type: ☐ PVC ☐ Galvanized ☑ Steel ☐ Other
0 in. to 10 ft. depth
in. to ft. depth
Height: Above/Below Surface ft.
Weight lb./ft.
Drive Shoe? ☐ Yes ☐ No

**11. SCREEN:**
Type: SS Diam.: 1.5"
Slot/Gauge: 0.010" Length: 4'
Set Between: 10 ft. and 14 ft.
ft. and ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

**12. STATIC WATER LEVEL** ft. below land surface after 24 hours

**13. PUMPING LEVEL** Below Land Surface.
ft. after hrs. Pumping G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield:

**14. WATER QUALITY**
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

**15. ARTIFICIAL FILTER** (filter pack) ☐ Yes ☑ No
Installed from ft. to ft.
Effective size Uniformity Coefficient

**16. WELL GROUTED?** ☐ Yes ☑ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other
Depth: From ft. to ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:** ft. direction
Type
Well Disinfected ☐ Yes ☑ No Type: Amount:

**18. PUMP:** Date installed: Not installed ☑
Mfr. Name: Model No.:
H.P. Volts Length of drop pipe ft. Capacity gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

**19. WELL DRILLER:** William Walker CERT. NO.: 2042
Address: (Print) Level: A B C D (circle one)
1317 Hummingbird Dr
West Columbia, SC, 29169
Telephone No.: 803-351-7936 Fax No.:

**20. WATER WELL DRILLER'S CERTIFICATION:** This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Date: 8/29/16
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

D H E C
PROMOTE PROTECT PROSPER

# Water Well Record
## Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

**1. WELL OWNER INFORMATION:**
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City: Sumter State: SC Zip:
Telephone: Work: Home:

**2. LOCATION OF WELL:** COUNTY: Sumter
Name:
Street Address: South Harvin St
City: Sumter Zip:
Latitude: Longitude:

**3. PUBLIC SYSTEM NAME:** **PUBLIC SYSTEM NUMBER:**

**4. ABANDONMENT:** ☐ Yes ☐ No
Give Details Below
Grouted Depth: from 0 ft. to 14 ft.

| Formation Description | *Thickness of Stratum | Depth to Bottom of Stratum |
|---|---|---|
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| *Indicate Water Bearing Zones (Use a 2nd sheet if needed) | | |

**5. REMARKS:**
GW-8

**6. TYPE:** ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

**7. PERMIT NUMBER:** MW-10742

**8. USE:**
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☑ Test Well ☐ Monitor Well ☐ Replacement

**9. WELL DEPTH** (completed) Date Started: 8/3/16
14 ft. Date Completed: 8/3/16

**10. CASING:** ☑ Threaded ☐ Welded
Diam.: 1.5"
Type: ☐ PVC ☐ Galvanized ☑ Steel ☐ Other
0 in. to 10 ft. depth
in. to ft. depth
Height: Above/Below Surface ft.
Weight lb./ft.
Drive Shoe? ☐ Yes ☐ No

**11. SCREEN:**
Type: SS Diam.: 1.5"
Slot/Gauge: 0.010" Length: 4'
Set Between: 10 ft. and 14 ft.
ft. and ft.
**NOTE: MULTIPLE SCREENS USE SECOND SHEET**
Sieve Analysis ☐ Yes (please enclose) ☑ No

**12. STATIC WATER LEVEL** ft. below land surface after 24 hours

**13. PUMPING LEVEL** Below Land Surface.
ft. after hrs. Pumping G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield:

**14. WATER QUALITY**
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

**15. ARTIFICIAL FILTER** (filter pack) ☐ Yes ☑ No
Installed from ft. to ft.
Effective size Uniformity Coefficient

**16. WELL GROUTED?** ☐ Yes ☑ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other
Depth: From ft. to ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:** ft. direction
Type
Well Disinfected ☐ Yes ☑ No Type: Amount:

**18. PUMP:** Date installed: Not installed ☑
Mfr. Name: Model No.:
H.P. Volts Length of drop pipe ft. Capacity gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

**19. WELL DRILLER:** William Walker **CERT. NO.:** 2042
Address: (Print) Level: A B C D (circle one)
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West Columbia, SC, 29169
Telephone No.: 803-351-7936 Fax No.:

**20. WATER WELL DRILLER'S CERTIFICATION:** This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Date: 8/29/16
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

# APPENDIX B

## ANALYTICAL DATA SHEETS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 29, 2016

Ms. Robbin Boykin
Emerald, Inc.
2520 Tahoe Drive
Sumter, SC 29150

RE: Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

Dear Ms. Boykin:
Enclosed are the analytical results for sample(s) received by the laboratory on August 04, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

Report revised on 8.29.16 to change reporting units for 8260 soils per client request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Trey Carter
trey.carter@pacelabs.com
Project Manager

Enclosures

cc: Chad McClary, Emerald, Inc.

**REPORT OF LABORATORY ANALYSIS**

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Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

## CERTIFICATIONS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Charlotte Certification IDs**

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221



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Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

## SAMPLE SUMMARY

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| 92307801001 | SB-1 (5-10) | Solid | 08/03/16 14:00 | 08/04/16 14:42 |
| 92307801002 | SB-2 (0-5) | Solid | 08/03/16 14:10 | 08/04/16 14:42 |
| 92307801003 | SB-3 (5-10) | Solid | 08/03/16 14:15 | 08/04/16 14:42 |
| 92307801004 | SB-4 (0-5) | Solid | 08/03/16 14:20 | 08/04/16 14:42 |
| 92307801005 | SB-5 (0-5) | Solid | 08/03/16 14:30 | 08/04/16 14:42 |
| 92307801006 | GW-1 | Water | 08/03/16 09:20 | 08/04/16 14:42 |
| 92307801007 | GW-2 | Water | 08/03/16 10:40 | 08/04/16 14:42 |
| 92307801008 | GW-3 | Water | 08/03/16 09:50 | 08/04/16 14:42 |
| 92307801009 | GW-4 | Water | 08/03/16 10:30 | 08/04/16 14:42 |
| 92307801010 | GW-5 | Water | 08/03/16 10:10 | 08/04/16 14:42 |
| 92307801011 | GW-6 | Water | 08/03/16 11:30 | 08/04/16 14:42 |
| 92307801012 | GW-7 | Water | 08/03/16 11:45 | 08/04/16 14:42 |
| 92307801013 | GW-8 | Water | 08/03/16 12:00 | 08/04/16 14:42 |



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Huntersville, NC 28078
(704)875-9092

## SAMPLE ANALYTE COUNT

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|---|---|---|---|---|---|
| 92307801001 | SB-1 (5-10) | EPA 8260 | DLK | 105 | PASI-C |
| | | ASTM D2974-87 | CLW | 1 | PASI-C |
| 92307801002 | SB-2 (0-5) | EPA 8260 | DLK | 105 | PASI-C |
| | | ASTM D2974-87 | CLW | 1 | PASI-C |
| 92307801003 | SB-3 (5-10) | EPA 8260 | DLK | 105 | PASI-C |
| | | ASTM D2974-87 | CLW | 1 | PASI-C |
| 92307801004 | SB-4 (0-5) | EPA 8260 | DLK | 105 | PASI-C |
| | | ASTM D2974-87 | CLW | 1 | PASI-C |
| 92307801005 | SB-5 (0-5) | EPA 8260 | DLK | 105 | PASI-C |
| | | ASTM D2974-87 | CLW | 1 | PASI-C |
| 92307801006 | GW-1 | EPA 8260 | CCL | 106 | PASI-C |
| 92307801007 | GW-2 | EPA 8260 | CCL | 106 | PASI-C |
| 92307801008 | GW-3 | EPA 8260 | CCL | 106 | PASI-C |
| 92307801009 | GW-4 | EPA 8260 | CCL | 106 | PASI-C |
| 92307801010 | GW-5 | EPA 8260 | CCL | 106 | PASI-C |
| 92307801011 | GW-6 | EPA 8260 | CCL | 106 | PASI-C |
| 92307801012 | GW-7 | EPA 8260 | CCL | 106 | PASI-C |
| 92307801013 | GW-8 | EPA 8260 | CCL | 106 | PASI-C |



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Huntersville, NC 28078
(704)875-9092

# ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: SB-1 (5-10)** **Lab ID: 92307801001** Collected: 08/03/16 14:00 Received: 08/04/16 14:42 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260/5035A SC Volatile Org** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | ND | mg/kg | 0.094 | 0.0094 | 1 | | 08/07/16 14:00 | 67-64-1 | |
| Acetonitrile | ND | mg/kg | 0.047 | 0.025 | 1 | | 08/07/16 14:00 | 75-05-8 | |
| Acrolein | ND | mg/kg | 0.094 | 0.013 | 1 | | 08/07/16 14:00 | 107-02-8 | L2 |
| Acrylonitrile | ND | mg/kg | 0.094 | 0.025 | 1 | | 08/07/16 14:00 | 107-13-1 | |
| Allyl chloride | ND | mg/kg | 0.047 | 0.0015 | 1 | | 08/07/16 14:00 | 107-05-1 | |
| tert-Amyl Alcohol | ND | mg/kg | 0.094 | 0.020 | 1 | | 08/07/16 14:00 | 75-85-4 | |
| tert-Amylmethyl ether | ND | mg/kg | 0.0094 | 0.0010 | 1 | | 08/07/16 14:00 | 994-05-8 | |
| Benzene | ND | mg/kg | 0.0047 | 0.0015 | 1 | | 08/07/16 14:00 | 71-43-2 | |
| Bromobenzene | ND | mg/kg | 0.0047 | 0.0019 | 1 | | 08/07/16 14:00 | 108-86-1 | |
| Bromochloromethane | ND | mg/kg | 0.0047 | 0.0016 | 1 | | 08/07/16 14:00 | 74-97-5 | |
| Bromodichloromethane | ND | mg/kg | 0.0047 | 0.0018 | 1 | | 08/07/16 14:00 | 75-27-4 | |
| Bromoform | ND | mg/kg | 0.0047 | 0.0022 | 1 | | 08/07/16 14:00 | 75-25-2 | |
| Bromomethane | ND | mg/kg | 0.0094 | 0.0024 | 1 | | 08/07/16 14:00 | 74-83-9 | |
| TOTAL BTEX | ND | mg/kg | 0.0047 | 0.0047 | 1 | | 08/07/16 14:00 | | |
| 3,3-Dimethyl-1-Butanol | ND | mg/kg | 0.094 | 0.026 | 1 | | 08/07/16 14:00 | 624-95-3 | |
| 2-Butanone (MEK) | ND | mg/kg | 0.094 | 0.0027 | 1 | | 08/07/16 14:00 | 78-93-3 | |
| tert-Butyl Alcohol | ND | mg/kg | 0.094 | 0.018 | 1 | | 08/07/16 14:00 | 75-65-0 | |
| n-Butylbenzene | ND | mg/kg | 0.0047 | 0.0017 | 1 | | 08/07/16 14:00 | 104-51-8 | |
| sec-Butylbenzene | ND | mg/kg | 0.0047 | 0.0015 | 1 | | 08/07/16 14:00 | 135-98-8 | |
| tert-Butylbenzene | ND | mg/kg | 0.0047 | 0.0019 | 1 | | 08/07/16 14:00 | 98-06-6 | |
| tert-Butyl Formate | ND | mg/kg | 0.047 | 0.0013 | 1 | | 08/07/16 14:00 | 762-75-4 | |
| Carbon disulfide | ND | mg/kg | 0.0094 | 0.0028 | 1 | | 08/07/16 14:00 | 75-15-0 | |
| Carbon tetrachloride | ND | mg/kg | 0.0047 | 0.0025 | 1 | | 08/07/16 14:00 | 56-23-5 | |
| Chlorobenzene | ND | mg/kg | 0.0047 | 0.0018 | 1 | | 08/07/16 14:00 | 108-90-7 | |
| Chloroethane | ND | mg/kg | 0.0094 | 0.0023 | 1 | | 08/07/16 14:00 | 75-00-3 | |
| Chloroform | ND | mg/kg | 0.0047 | 0.0015 | 1 | | 08/07/16 14:00 | 67-66-3 | |
| Chloromethane | ND | mg/kg | 0.0094 | 0.0023 | 1 | | 08/07/16 14:00 | 74-87-3 | |
| Chloroprene | ND | mg/kg | 0.0094 | 0.0094 | 1 | | 08/07/16 14:00 | 126-99-8 | |
| 2-Chlorotoluene | ND | mg/kg | 0.0047 | 0.0016 | 1 | | 08/07/16 14:00 | 95-49-8 | |
| 4-Chlorotoluene | ND | mg/kg | 0.0047 | 0.0017 | 1 | | 08/07/16 14:00 | 106-43-4 | |
| Cyclohexane | ND | mg/kg | 0.0047 | 0.0015 | 1 | | 08/07/16 14:00 | 110-82-7 | |
| Cyclohexanone | ND | mg/kg | 0.24 | 0.0047 | 1 | | 08/07/16 14:00 | 108-94-1 | |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.0047 | 0.0034 | 1 | | 08/07/16 14:00 | 96-12-8 | |
| Dibromochloromethane | ND | mg/kg | 0.0047 | 0.0017 | 1 | | 08/07/16 14:00 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | mg/kg | 0.0047 | 0.0017 | 1 | | 08/07/16 14:00 | 106-93-4 | |
| Dibromomethane | ND | mg/kg | 0.0047 | 0.0024 | 1 | | 08/07/16 14:00 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.0047 | 0.0018 | 1 | | 08/07/16 14:00 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.0047 | 0.0019 | 1 | | 08/07/16 14:00 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.0047 | 0.0016 | 1 | | 08/07/16 14:00 | 106-46-7 | |
| cis-1,4-Dichloro-2-butene | ND | mg/kg | 0.0047 | 0.0026 | 1 | | 08/07/16 14:00 | 1476-11-5 | |
| trans-1,4-Dichloro-2-butene | ND | mg/kg | 0.0047 | 0.0034 | 1 | | 08/07/16 14:00 | 110-57-6 | |
| Dichlorodifluoromethane | ND | mg/kg | 0.0094 | 0.0034 | 1 | | 08/07/16 14:00 | 75-71-8 | |
| 1,1-Dichloroethane | ND | mg/kg | 0.0047 | 0.0014 | 1 | | 08/07/16 14:00 | 75-34-3 | |
| 1,2-Dichloroethane | ND | mg/kg | 0.0047 | 0.0021 | 1 | | 08/07/16 14:00 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | mg/kg | 0.0047 | 0.0047 | 1 | | 08/07/16 14:00 | 540-59-0 | |



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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

# ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: SB-1 (5-10)** **Lab ID: 92307801001** Collected: 08/03/16 14:00 Received: 08/04/16 14:42 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260/5035A SC Volatile Org** | Analytical Method: EPA 8260 | | | | | | | | |
| 1,1-Dichloroethene | ND | mg/kg | 0.0047 | 0.0017 | 1 | | 08/07/16 14:00 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.0047 | 0.0013 | 1 | | 08/07/16 14:00 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | mg/kg | 0.0047 | 0.0018 | 1 | | 08/07/16 14:00 | 156-60-5 | |
| 1,2-Dichloropropane | ND | mg/kg | 0.0047 | 0.0016 | 1 | | 08/07/16 14:00 | 78-87-5 | |
| 1,3-Dichloropropane | ND | mg/kg | 0.0047 | 0.0018 | 1 | | 08/07/16 14:00 | 142-28-9 | |
| 2,2-Dichloropropane | ND | mg/kg | 0.0047 | 0.0016 | 1 | | 08/07/16 14:00 | 594-20-7 | |
| 1,1-Dichloropropene | ND | mg/kg | 0.0047 | 0.0014 | 1 | | 08/07/16 14:00 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | mg/kg | 0.0047 | 0.0017 | 1 | | 08/07/16 14:00 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.0047 | 0.0014 | 1 | | 08/07/16 14:00 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | mg/kg | 0.0047 | 0.0016 | 1 | | 08/07/16 14:00 | 60-29-7 | |
| Diisopropyl ether | ND | mg/kg | 0.0047 | 0.0016 | 1 | | 08/07/16 14:00 | 108-20-3 | |
| 1,4-Dioxane (p-Dioxane) | ND | mg/kg | 0.14 | 0.11 | 1 | | 08/07/16 14:00 | 123-91-1 | |
| Ethanol | ND | mg/kg | 0.19 | 0.059 | 1 | | 08/07/16 14:00 | 64-17-5 | |
| Ethyl acetate | ND | mg/kg | 0.094 | 0.094 | 1 | | 08/07/16 14:00 | 141-78-6 | |
| Ethylbenzene | ND | mg/kg | 0.0047 | 0.0017 | 1 | | 08/07/16 14:00 | 100-41-4 | |
| Ethyl methacrylate | ND | mg/kg | 0.0047 | 0.0021 | 1 | | 08/07/16 14:00 | 97-63-2 | |
| Ethyl-tert-butyl ether | ND | mg/kg | 0.0094 | 0.0013 | 1 | | 08/07/16 14:00 | 637-92-3 | |
| Hexachloro-1,3-butadiene | ND | mg/kg | 0.0047 | 0.0019 | 1 | | 08/07/16 14:00 | 87-68-3 | |
| n-Hexane | ND | mg/kg | 0.0047 | 0.0028 | 1 | | 08/07/16 14:00 | 110-54-3 | |
| 2-Hexanone | ND | mg/kg | 0.047 | 0.0037 | 1 | | 08/07/16 14:00 | 591-78-6 | |
| Iodomethane | ND | mg/kg | 0.0094 | 0.0094 | 1 | | 08/07/16 14:00 | 74-88-4 | |
| Isobutanol | ND | mg/kg | 0.094 | 0.052 | 1 | | 08/07/16 14:00 | 78-83-1 | |
| Isopropylbenzene (Cumene) | ND | mg/kg | 0.0047 | 0.0018 | 1 | | 08/07/16 14:00 | 98-82-8 | |
| p-Isopropyltoluene | ND | mg/kg | 0.0047 | 0.0016 | 1 | | 08/07/16 14:00 | 99-87-6 | |
| Methacrylonitrile | ND | mg/kg | 0.047 | 0.016 | 1 | | 08/07/16 14:00 | 126-98-7 | |
| Methyl acetate | ND | mg/kg | 0.0094 | 0.0013 | 1 | | 08/07/16 14:00 | 79-20-9 | |
| Methylcyclohexane | ND | mg/kg | 0.0094 | 0.0014 | 1 | | 08/07/16 14:00 | 108-87-2 | |
| Methylene Chloride | ND | mg/kg | 0.019 | 0.0028 | 1 | | 08/07/16 14:00 | 75-09-2 | |
| Methyl methacrylate | ND | mg/kg | 0.0047 | 0.0018 | 1 | | 08/07/16 14:00 | 80-62-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND | mg/kg | 0.047 | 0.0035 | 1 | | 08/07/16 14:00 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | mg/kg | 0.0047 | 0.0014 | 1 | | 08/07/16 14:00 | 1634-04-4 | |
| Naphthalene | ND | mg/kg | 0.0047 | 0.0011 | 1 | | 08/07/16 14:00 | 91-20-3 | |
| Pentachloroethane | ND | mg/kg | 0.0047 | 0.0047 | 1 | | 08/07/16 14:00 | 76-01-7 | |
| Propionitrile | ND | mg/kg | 0.047 | 0.017 | 1 | | 08/07/16 14:00 | 107-12-0 | |
| n-Propylbenzene | ND | mg/kg | 0.0047 | 0.0016 | 1 | | 08/07/16 14:00 | 103-65-1 | |
| Styrene | ND | mg/kg | 0.0047 | 0.0017 | 1 | | 08/07/16 14:00 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.0047 | 0.0020 | 1 | | 08/07/16 14:00 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.0047 | 0.0018 | 1 | | 08/07/16 14:00 | 79-34-5 | |
| Tetrachloroethene | ND | mg/kg | 0.0047 | 0.0016 | 1 | | 08/07/16 14:00 | 127-18-4 | |
| Tetrahydrofuran | ND | mg/kg | 0.047 | 0.026 | 1 | | 08/07/16 14:00 | 109-99-9 | |
| Toluene | ND | mg/kg | 0.0047 | 0.0017 | 1 | | 08/07/16 14:00 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.0047 | 0.0021 | 1 | | 08/07/16 14:00 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.0047 | 0.0015 | 1 | | 08/07/16 14:00 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.0047 | 0.0017 | 1 | | 08/07/16 14:00 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.0047 | 0.0020 | 1 | | 08/07/16 14:00 | 79-00-5 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: SB-1 (5-10)** **Lab ID: 92307801001** Collected: 08/03/16 14:00 Received: 08/04/16 14:42 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260/5035A SC Volatile Org** | Analytical Method: EPA 8260 | | | | | | | | |
| Trichloroethene | ND | mg/kg | 0.0047 | 0.0020 | 1 | | 08/07/16 14:00 | 79-01-6 | |
| Trichlorofluoromethane | ND | mg/kg | 0.0047 | 0.0021 | 1 | | 08/07/16 14:00 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.0047 | 0.0015 | 1 | | 08/07/16 14:00 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | mg/kg | 0.0047 | 0.0018 | 1 | | 08/07/16 14:00 | 76-13-1 | |
| 1,2,3-Trimethylbenzene | ND | mg/kg | 0.0047 | 0.0016 | 1 | | 08/07/16 14:00 | 526-73-8 | |
| 1,2,4-Trimethylbenzene | ND | mg/kg | 0.0047 | 0.0019 | 1 | | 08/07/16 14:00 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | mg/kg | 0.0047 | 0.0017 | 1 | | 08/07/16 14:00 | 108-67-8 | |
| Vinyl acetate | ND | mg/kg | 0.047 | 0.0083 | 1 | | 08/07/16 14:00 | 108-05-4 | |
| Vinyl chloride | ND | mg/kg | 0.0094 | 0.0017 | 1 | | 08/07/16 14:00 | 75-01-4 | |
| Xylene (Total) | ND | mg/kg | 0.0094 | 0.0034 | 1 | | 08/07/16 14:00 | 1330-20-7 | |
| m&p-Xylene | ND | mg/kg | 0.0094 | 0.0034 | 1 | | 08/07/16 14:00 | 179601-23-1 | |
| o-Xylene | ND | mg/kg | 0.0047 | 0.0018 | 1 | | 08/07/16 14:00 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| Toluene-d8 (S) | 95 | % | 70-130 | | 1 | | 08/07/16 14:00 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 100 | % | 70-130 | | 1 | | 08/07/16 14:00 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 101 | % | 70-130 | | 1 | | 08/07/16 14:00 | 17060-07-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **17.4** | % | 0.10 | 0.10 | 1 | | 08/05/16 16:19 | | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: SB-2 (0-5)** **Lab ID: 92307801002** Collected: 08/03/16 14:10 Received: 08/04/16 14:42 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260/5035A SC Volatile Org** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | ND | mg/kg | 0.090 | 0.0090 | 1 | | 08/07/16 14:20 | 67-64-1 | |
| Acetonitrile | ND | mg/kg | 0.045 | 0.023 | 1 | | 08/07/16 14:20 | 75-05-8 | |
| Acrolein | ND | mg/kg | 0.090 | 0.013 | 1 | | 08/07/16 14:20 | 107-02-8 | L2 |
| Acrylonitrile | ND | mg/kg | 0.090 | 0.023 | 1 | | 08/07/16 14:20 | 107-13-1 | |
| Allyl chloride | ND | mg/kg | 0.045 | 0.0014 | 1 | | 08/07/16 14:20 | 107-05-1 | |
| tert-Amyl Alcohol | ND | mg/kg | 0.090 | 0.019 | 1 | | 08/07/16 14:20 | 75-85-4 | |
| tert-Amylmethyl ether | ND | mg/kg | 0.0090 | 0.00099 | 1 | | 08/07/16 14:20 | 994-05-8 | |
| Benzene | ND | mg/kg | 0.0045 | 0.0014 | 1 | | 08/07/16 14:20 | 71-43-2 | |
| Bromobenzene | ND | mg/kg | 0.0045 | 0.0018 | 1 | | 08/07/16 14:20 | 108-86-1 | |
| Bromochloromethane | ND | mg/kg | 0.0045 | 0.0015 | 1 | | 08/07/16 14:20 | 74-97-5 | |
| Bromodichloromethane | ND | mg/kg | 0.0045 | 0.0017 | 1 | | 08/07/16 14:20 | 75-27-4 | |
| Bromoform | ND | mg/kg | 0.0045 | 0.0021 | 1 | | 08/07/16 14:20 | 75-25-2 | |
| Bromomethane | ND | mg/kg | 0.0090 | 0.0022 | 1 | | 08/07/16 14:20 | 74-83-9 | |
| TOTAL BTEX | ND | mg/kg | 0.0045 | 0.0045 | 1 | | 08/07/16 14:20 | | |
| 3,3-Dimethyl-1-Butanol | ND | mg/kg | 0.090 | 0.025 | 1 | | 08/07/16 14:20 | 624-95-3 | |
| 2-Butanone (MEK) | ND | mg/kg | 0.090 | 0.0026 | 1 | | 08/07/16 14:20 | 78-93-3 | |
| tert-Butyl Alcohol | ND | mg/kg | 0.090 | 0.017 | 1 | | 08/07/16 14:20 | 75-65-0 | |
| n-Butylbenzene | ND | mg/kg | 0.0045 | 0.0016 | 1 | | 08/07/16 14:20 | 104-51-8 | |
| sec-Butylbenzene | ND | mg/kg | 0.0045 | 0.0014 | 1 | | 08/07/16 14:20 | 135-98-8 | |
| tert-Butylbenzene | ND | mg/kg | 0.0045 | 0.0018 | 1 | | 08/07/16 14:20 | 98-06-6 | |
| tert-Butyl Formate | ND | mg/kg | 0.045 | 0.0013 | 1 | | 08/07/16 14:20 | 762-75-4 | |
| Carbon disulfide | ND | mg/kg | 0.0090 | 0.0027 | 1 | | 08/07/16 14:20 | 75-15-0 | |
| Carbon tetrachloride | ND | mg/kg | 0.0045 | 0.0023 | 1 | | 08/07/16 14:20 | 56-23-5 | |
| Chlorobenzene | ND | mg/kg | 0.0045 | 0.0017 | 1 | | 08/07/16 14:20 | 108-90-7 | |
| Chloroethane | ND | mg/kg | 0.0090 | 0.0022 | 1 | | 08/07/16 14:20 | 75-00-3 | |
| Chloroform | ND | mg/kg | 0.0045 | 0.0014 | 1 | | 08/07/16 14:20 | 67-66-3 | |
| Chloromethane | ND | mg/kg | 0.0090 | 0.0022 | 1 | | 08/07/16 14:20 | 74-87-3 | |
| Chloroprene | ND | mg/kg | 0.0090 | 0.0090 | 1 | | 08/07/16 14:20 | 126-99-8 | |
| 2-Chlorotoluene | ND | mg/kg | 0.0045 | 0.0015 | 1 | | 08/07/16 14:20 | 95-49-8 | |
| 4-Chlorotoluene | ND | mg/kg | 0.0045 | 0.0016 | 1 | | 08/07/16 14:20 | 106-43-4 | |
| Cyclohexane | ND | mg/kg | 0.0045 | 0.0014 | 1 | | 08/07/16 14:20 | 110-82-7 | |
| Cyclohexanone | ND | mg/kg | 0.22 | 0.0045 | 1 | | 08/07/16 14:20 | 108-94-1 | |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.0045 | 0.0032 | 1 | | 08/07/16 14:20 | 96-12-8 | |
| Dibromochloromethane | ND | mg/kg | 0.0045 | 0.0016 | 1 | | 08/07/16 14:20 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | mg/kg | 0.0045 | 0.0016 | 1 | | 08/07/16 14:20 | 106-93-4 | |
| Dibromomethane | ND | mg/kg | 0.0045 | 0.0022 | 1 | | 08/07/16 14:20 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.0045 | 0.0017 | 1 | | 08/07/16 14:20 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.0045 | 0.0018 | 1 | | 08/07/16 14:20 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.0045 | 0.0015 | 1 | | 08/07/16 14:20 | 106-46-7 | |
| cis-1,4-Dichloro-2-butene | ND | mg/kg | 0.0045 | 0.0024 | 1 | | 08/07/16 14:20 | 1476-11-5 | |
| trans-1,4-Dichloro-2-butene | ND | mg/kg | 0.0045 | 0.0032 | 1 | | 08/07/16 14:20 | 110-57-6 | |
| Dichlorodifluoromethane | ND | mg/kg | 0.0090 | 0.0032 | 1 | | 08/07/16 14:20 | 75-71-8 | |
| 1,1-Dichloroethane | ND | mg/kg | 0.0045 | 0.0013 | 1 | | 08/07/16 14:20 | 75-34-3 | |
| 1,2-Dichloroethane | ND | mg/kg | 0.0045 | 0.0020 | 1 | | 08/07/16 14:20 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | mg/kg | 0.0045 | 0.0045 | 1 | | 08/07/16 14:20 | 540-59-0 | |



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# ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: SB-2 (0-5)** **Lab ID: 92307801002** Collected: 08/03/16 14:10 Received: 08/04/16 14:42 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260/5035A SC Volatile Org** | Analytical Method: EPA 8260 | | | | | | | | |
| 1,1-Dichloroethene | ND | mg/kg | 0.0045 | 0.0016 | 1 | | 08/07/16 14:20 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.0045 | 0.0013 | 1 | | 08/07/16 14:20 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | mg/kg | 0.0045 | 0.0017 | 1 | | 08/07/16 14:20 | 156-60-5 | |
| 1,2-Dichloropropane | ND | mg/kg | 0.0045 | 0.0015 | 1 | | 08/07/16 14:20 | 78-87-5 | |
| 1,3-Dichloropropane | ND | mg/kg | 0.0045 | 0.0017 | 1 | | 08/07/16 14:20 | 142-28-9 | |
| 2,2-Dichloropropane | ND | mg/kg | 0.0045 | 0.0015 | 1 | | 08/07/16 14:20 | 594-20-7 | |
| 1,1-Dichloropropene | ND | mg/kg | 0.0045 | 0.0013 | 1 | | 08/07/16 14:20 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | mg/kg | 0.0045 | 0.0016 | 1 | | 08/07/16 14:20 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.0045 | 0.0013 | 1 | | 08/07/16 14:20 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | mg/kg | 0.0045 | 0.0015 | 1 | | 08/07/16 14:20 | 60-29-7 | |
| Diisopropyl ether | ND | mg/kg | 0.0045 | 0.0015 | 1 | | 08/07/16 14:20 | 108-20-3 | |
| 1,4-Dioxane (p-Dioxane) | ND | mg/kg | 0.13 | 0.11 | 1 | | 08/07/16 14:20 | 123-91-1 | |
| Ethanol | ND | mg/kg | 0.18 | 0.056 | 1 | | 08/07/16 14:20 | 64-17-5 | |
| Ethyl acetate | ND | mg/kg | 0.090 | 0.090 | 1 | | 08/07/16 14:20 | 141-78-6 | |
| Ethylbenzene | ND | mg/kg | 0.0045 | 0.0016 | 1 | | 08/07/16 14:20 | 100-41-4 | |
| Ethyl methacrylate | ND | mg/kg | 0.0045 | 0.0020 | 1 | | 08/07/16 14:20 | 97-63-2 | |
| Ethyl-tert-butyl ether | ND | mg/kg | 0.0090 | 0.0013 | 1 | | 08/07/16 14:20 | 637-92-3 | |
| Hexachloro-1,3-butadiene | ND | mg/kg | 0.0045 | 0.0018 | 1 | | 08/07/16 14:20 | 87-68-3 | |
| n-Hexane | ND | mg/kg | 0.0045 | 0.0027 | 1 | | 08/07/16 14:20 | 110-54-3 | |
| 2-Hexanone | ND | mg/kg | 0.045 | 0.0035 | 1 | | 08/07/16 14:20 | 591-78-6 | |
| Iodomethane | ND | mg/kg | 0.0090 | 0.0089 | 1 | | 08/07/16 14:20 | 74-88-4 | |
| Isobutanol | ND | mg/kg | 0.090 | 0.049 | 1 | | 08/07/16 14:20 | 78-83-1 | |
| Isopropylbenzene (Cumene) | ND | mg/kg | 0.0045 | 0.0017 | 1 | | 08/07/16 14:20 | 98-82-8 | |
| p-Isopropyltoluene | ND | mg/kg | 0.0045 | 0.0015 | 1 | | 08/07/16 14:20 | 99-87-6 | |
| Methacrylonitrile | ND | mg/kg | 0.045 | 0.015 | 1 | | 08/07/16 14:20 | 126-98-7 | |
| Methyl acetate | ND | mg/kg | 0.0090 | 0.0013 | 1 | | 08/07/16 14:20 | 79-20-9 | |
| Methylcyclohexane | ND | mg/kg | 0.0090 | 0.0013 | 1 | | 08/07/16 14:20 | 108-87-2 | |
| Methylene Chloride | ND | mg/kg | 0.018 | 0.0027 | 1 | | 08/07/16 14:20 | 75-09-2 | |
| Methyl methacrylate | ND | mg/kg | 0.0045 | 0.0017 | 1 | | 08/07/16 14:20 | 80-62-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND | mg/kg | 0.045 | 0.0033 | 1 | | 08/07/16 14:20 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | mg/kg | 0.0045 | 0.0013 | 1 | | 08/07/16 14:20 | 1634-04-4 | |
| Naphthalene | ND | mg/kg | 0.0045 | 0.0011 | 1 | | 08/07/16 14:20 | 91-20-3 | |
| Pentachloroethane | ND | mg/kg | 0.0045 | 0.0045 | 1 | | 08/07/16 14:20 | 76-01-7 | |
| Propionitrile | ND | mg/kg | 0.045 | 0.016 | 1 | | 08/07/16 14:20 | 107-12-0 | |
| n-Propylbenzene | ND | mg/kg | 0.0045 | 0.0015 | 1 | | 08/07/16 14:20 | 103-65-1 | |
| Styrene | ND | mg/kg | 0.0045 | 0.0016 | 1 | | 08/07/16 14:20 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.0045 | 0.0019 | 1 | | 08/07/16 14:20 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.0045 | 0.0017 | 1 | | 08/07/16 14:20 | 79-34-5 | |
| Tetrachloroethene | ND | mg/kg | 0.0045 | 0.0015 | 1 | | 08/07/16 14:20 | 127-18-4 | |
| Tetrahydrofuran | ND | mg/kg | 0.045 | 0.025 | 1 | | 08/07/16 14:20 | 109-99-9 | |
| Toluene | ND | mg/kg | 0.0045 | 0.0016 | 1 | | 08/07/16 14:20 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.0045 | 0.0020 | 1 | | 08/07/16 14:20 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.0045 | 0.0014 | 1 | | 08/07/16 14:20 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.0045 | 0.0016 | 1 | | 08/07/16 14:20 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.0045 | 0.0019 | 1 | | 08/07/16 14:20 | 79-00-5 | |



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# ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: SB-2 (0-5)** **Lab ID: 92307801002** Collected: 08/03/16 14:10 Received: 08/04/16 14:42 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260/5035A SC Volatile Org** | Analytical Method: EPA 8260 | | | | | | | | |
| Trichloroethene | ND | mg/kg | 0.0045 | 0.0019 | 1 | | 08/07/16 14:20 | 79-01-6 | |
| Trichlorofluoromethane | ND | mg/kg | 0.0045 | 0.0020 | 1 | | 08/07/16 14:20 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.0045 | 0.0014 | 1 | | 08/07/16 14:20 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | mg/kg | 0.0045 | 0.0017 | 1 | | 08/07/16 14:20 | 76-13-1 | |
| 1,2,3-Trimethylbenzene | ND | mg/kg | 0.0045 | 0.0015 | 1 | | 08/07/16 14:20 | 526-73-8 | |
| 1,2,4-Trimethylbenzene | ND | mg/kg | 0.0045 | 0.0018 | 1 | | 08/07/16 14:20 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | mg/kg | 0.0045 | 0.0016 | 1 | | 08/07/16 14:20 | 108-67-8 | |
| Vinyl acetate | ND | mg/kg | 0.045 | 0.0079 | 1 | | 08/07/16 14:20 | 108-05-4 | |
| Vinyl chloride | ND | mg/kg | 0.0090 | 0.0016 | 1 | | 08/07/16 14:20 | 75-01-4 | |
| Xylene (Total) | ND | mg/kg | 0.0090 | 0.0032 | 1 | | 08/07/16 14:20 | 1330-20-7 | |
| m&p-Xylene | ND | mg/kg | 0.0090 | 0.0032 | 1 | | 08/07/16 14:20 | 179601-23-1 | |
| o-Xylene | ND | mg/kg | 0.0045 | 0.0017 | 1 | | 08/07/16 14:20 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| Toluene-d8 (S) | 99 | % | 70-130 | | 1 | | 08/07/16 14:20 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 105 | % | 70-130 | | 1 | | 08/07/16 14:20 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 101 | % | 70-130 | | 1 | | 08/07/16 14:20 | 17060-07-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **7.2** | % | 0.10 | 0.10 | 1 | | 08/05/16 16:20 | | |



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# ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: SB-3 (5-10)** **Lab ID: 92307801003** Collected: 08/03/16 14:15 Received: 08/04/16 14:42 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260/5035A SC Volatile Org** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | ND | mg/kg | 0.097 | 0.0097 | 1 | | 08/07/16 14:40 | 67-64-1 | |
| Acetonitrile | ND | mg/kg | 0.049 | 0.025 | 1 | | 08/07/16 14:40 | 75-05-8 | |
| Acrolein | ND | mg/kg | 0.097 | 0.014 | 1 | | 08/07/16 14:40 | 107-02-8 | L2 |
| Acrylonitrile | ND | mg/kg | 0.097 | 0.025 | 1 | | 08/07/16 14:40 | 107-13-1 | |
| Allyl chloride | ND | mg/kg | 0.049 | 0.0016 | 1 | | 08/07/16 14:40 | 107-05-1 | |
| tert-Amyl Alcohol | ND | mg/kg | 0.097 | 0.020 | 1 | | 08/07/16 14:40 | 75-85-4 | |
| tert-Amylmethyl ether | ND | mg/kg | 0.0097 | 0.0011 | 1 | | 08/07/16 14:40 | 994-05-8 | |
| Benzene | ND | mg/kg | 0.0049 | 0.0016 | 1 | | 08/07/16 14:40 | 71-43-2 | |
| Bromobenzene | ND | mg/kg | 0.0049 | 0.0019 | 1 | | 08/07/16 14:40 | 108-86-1 | |
| Bromochloromethane | ND | mg/kg | 0.0049 | 0.0017 | 1 | | 08/07/16 14:40 | 74-97-5 | |
| Bromodichloromethane | ND | mg/kg | 0.0049 | 0.0019 | 1 | | 08/07/16 14:40 | 75-27-4 | |
| Bromoform | ND | mg/kg | 0.0049 | 0.0022 | 1 | | 08/07/16 14:40 | 75-25-2 | |
| Bromomethane | ND | mg/kg | 0.0097 | 0.0024 | 1 | | 08/07/16 14:40 | 74-83-9 | |
| TOTAL BTEX | ND | mg/kg | 0.0049 | 0.0049 | 1 | | 08/07/16 14:40 | | |
| 3,3-Dimethyl-1-Butanol | ND | mg/kg | 0.097 | 0.027 | 1 | | 08/07/16 14:40 | 624-95-3 | |
| 2-Butanone (MEK) | ND | mg/kg | 0.097 | 0.0028 | 1 | | 08/07/16 14:40 | 78-93-3 | |
| tert-Butyl Alcohol | ND | mg/kg | 0.097 | 0.019 | 1 | | 08/07/16 14:40 | 75-65-0 | |
| n-Butylbenzene | ND | mg/kg | 0.0049 | 0.0018 | 1 | | 08/07/16 14:40 | 104-51-8 | |
| sec-Butylbenzene | ND | mg/kg | 0.0049 | 0.0016 | 1 | | 08/07/16 14:40 | 135-98-8 | |
| tert-Butylbenzene | ND | mg/kg | 0.0049 | 0.0019 | 1 | | 08/07/16 14:40 | 98-06-6 | |
| tert-Butyl Formate | ND | mg/kg | 0.049 | 0.0014 | 1 | | 08/07/16 14:40 | 762-75-4 | |
| Carbon disulfide | ND | mg/kg | 0.0097 | 0.0029 | 1 | | 08/07/16 14:40 | 75-15-0 | |
| Carbon tetrachloride | ND | mg/kg | 0.0049 | 0.0025 | 1 | | 08/07/16 14:40 | 56-23-5 | |
| Chlorobenzene | ND | mg/kg | 0.0049 | 0.0019 | 1 | | 08/07/16 14:40 | 108-90-7 | |
| Chloroethane | ND | mg/kg | 0.0097 | 0.0023 | 1 | | 08/07/16 14:40 | 75-00-3 | |
| Chloroform | ND | mg/kg | 0.0049 | 0.0016 | 1 | | 08/07/16 14:40 | 67-66-3 | |
| Chloromethane | ND | mg/kg | 0.0097 | 0.0023 | 1 | | 08/07/16 14:40 | 74-87-3 | |
| Chloroprene | ND | mg/kg | 0.0097 | 0.0097 | 1 | | 08/07/16 14:40 | 126-99-8 | |
| 2-Chlorotoluene | ND | mg/kg | 0.0049 | 0.0017 | 1 | | 08/07/16 14:40 | 95-49-8 | |
| 4-Chlorotoluene | ND | mg/kg | 0.0049 | 0.0018 | 1 | | 08/07/16 14:40 | 106-43-4 | |
| Cyclohexane | ND | mg/kg | 0.0049 | 0.0016 | 1 | | 08/07/16 14:40 | 110-82-7 | |
| Cyclohexanone | ND | mg/kg | 0.24 | 0.0049 | 1 | | 08/07/16 14:40 | 108-94-1 | |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.0049 | 0.0035 | 1 | | 08/07/16 14:40 | 96-12-8 | |
| Dibromochloromethane | ND | mg/kg | 0.0049 | 0.0018 | 1 | | 08/07/16 14:40 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | mg/kg | 0.0049 | 0.0018 | 1 | | 08/07/16 14:40 | 106-93-4 | |
| Dibromomethane | ND | mg/kg | 0.0049 | 0.0024 | 1 | | 08/07/16 14:40 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.0049 | 0.0019 | 1 | | 08/07/16 14:40 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.0049 | 0.0019 | 1 | | 08/07/16 14:40 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.0049 | 0.0017 | 1 | | 08/07/16 14:40 | 106-46-7 | |
| cis-1,4-Dichloro-2-butene | ND | mg/kg | 0.0049 | 0.0026 | 1 | | 08/07/16 14:40 | 1476-11-5 | |
| trans-1,4-Dichloro-2-butene | ND | mg/kg | 0.0049 | 0.0035 | 1 | | 08/07/16 14:40 | 110-57-6 | |
| Dichlorodifluoromethane | ND | mg/kg | 0.0097 | 0.0035 | 1 | | 08/07/16 14:40 | 75-71-8 | |
| 1,1-Dichloroethane | ND | mg/kg | 0.0049 | 0.0015 | 1 | | 08/07/16 14:40 | 75-34-3 | |
| 1,2-Dichloroethane | ND | mg/kg | 0.0049 | 0.0021 | 1 | | 08/07/16 14:40 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | mg/kg | 0.0049 | 0.0049 | 1 | | 08/07/16 14:40 | 540-59-0 | |



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# ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: SB-3 (5-10)** **Lab ID: 92307801003** Collected: 08/03/16 14:15 Received: 08/04/16 14:42 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260/5035A SC Volatile Org** | Analytical Method: EPA 8260 | | | | | | | | |
| 1,1-Dichloroethene | ND | mg/kg | 0.0049 | 0.0018 | 1 | | 08/07/16 14:40 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.0049 | 0.0014 | 1 | | 08/07/16 14:40 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | mg/kg | 0.0049 | 0.0019 | 1 | | 08/07/16 14:40 | 156-60-5 | |
| 1,2-Dichloropropane | ND | mg/kg | 0.0049 | 0.0017 | 1 | | 08/07/16 14:40 | 78-87-5 | |
| 1,3-Dichloropropane | ND | mg/kg | 0.0049 | 0.0019 | 1 | | 08/07/16 14:40 | 142-28-9 | |
| 2,2-Dichloropropane | ND | mg/kg | 0.0049 | 0.0017 | 1 | | 08/07/16 14:40 | 594-20-7 | |
| 1,1-Dichloropropene | ND | mg/kg | 0.0049 | 0.0015 | 1 | | 08/07/16 14:40 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | mg/kg | 0.0049 | 0.0018 | 1 | | 08/07/16 14:40 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.0049 | 0.0015 | 1 | | 08/07/16 14:40 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | mg/kg | 0.0049 | 0.0017 | 1 | | 08/07/16 14:40 | 60-29-7 | |
| Diisopropyl ether | ND | mg/kg | 0.0049 | 0.0017 | 1 | | 08/07/16 14:40 | 108-20-3 | |
| 1,4-Dioxane (p-Dioxane) | ND | mg/kg | 0.15 | 0.12 | 1 | | 08/07/16 14:40 | 123-91-1 | |
| Ethanol | ND | mg/kg | 0.19 | 0.060 | 1 | | 08/07/16 14:40 | 64-17-5 | |
| Ethyl acetate | ND | mg/kg | 0.097 | 0.097 | 1 | | 08/07/16 14:40 | 141-78-6 | |
| Ethylbenzene | ND | mg/kg | 0.0049 | 0.0018 | 1 | | 08/07/16 14:40 | 100-41-4 | |
| Ethyl methacrylate | ND | mg/kg | 0.0049 | 0.0021 | 1 | | 08/07/16 14:40 | 97-63-2 | |
| Ethyl-tert-butyl ether | ND | mg/kg | 0.0097 | 0.0014 | 1 | | 08/07/16 14:40 | 637-92-3 | |
| Hexachloro-1,3-butadiene | ND | mg/kg | 0.0049 | 0.0019 | 1 | | 08/07/16 14:40 | 87-68-3 | |
| n-Hexane | ND | mg/kg | 0.0049 | 0.0029 | 1 | | 08/07/16 14:40 | 110-54-3 | |
| 2-Hexanone | ND | mg/kg | 0.049 | 0.0038 | 1 | | 08/07/16 14:40 | 591-78-6 | |
| Iodomethane | ND | mg/kg | 0.0097 | 0.0096 | 1 | | 08/07/16 14:40 | 74-88-4 | |
| Isobutanol | ND | mg/kg | 0.097 | 0.054 | 1 | | 08/07/16 14:40 | 78-83-1 | |
| Isopropylbenzene (Cumene) | ND | mg/kg | 0.0049 | 0.0019 | 1 | | 08/07/16 14:40 | 98-82-8 | |
| p-Isopropyltoluene | ND | mg/kg | 0.0049 | 0.0017 | 1 | | 08/07/16 14:40 | 99-87-6 | |
| Methacrylonitrile | ND | mg/kg | 0.049 | 0.017 | 1 | | 08/07/16 14:40 | 126-98-7 | |
| Methyl acetate | ND | mg/kg | 0.0097 | 0.0014 | 1 | | 08/07/16 14:40 | 79-20-9 | |
| Methylcyclohexane | ND | mg/kg | 0.0097 | 0.0015 | 1 | | 08/07/16 14:40 | 108-87-2 | |
| Methylene Chloride | ND | mg/kg | 0.019 | 0.0029 | 1 | | 08/07/16 14:40 | 75-09-2 | |
| Methyl methacrylate | ND | mg/kg | 0.0049 | 0.0019 | 1 | | 08/07/16 14:40 | 80-62-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND | mg/kg | 0.049 | 0.0036 | 1 | | 08/07/16 14:40 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | mg/kg | 0.0049 | 0.0015 | 1 | | 08/07/16 14:40 | 1634-04-4 | |
| Naphthalene | ND | mg/kg | 0.0049 | 0.0012 | 1 | | 08/07/16 14:40 | 91-20-3 | |
| Pentachloroethane | ND | mg/kg | 0.0049 | 0.0049 | 1 | | 08/07/16 14:40 | 76-01-7 | |
| Propionitrile | ND | mg/kg | 0.049 | 0.018 | 1 | | 08/07/16 14:40 | 107-12-0 | |
| n-Propylbenzene | ND | mg/kg | 0.0049 | 0.0017 | 1 | | 08/07/16 14:40 | 103-65-1 | |
| Styrene | ND | mg/kg | 0.0049 | 0.0018 | 1 | | 08/07/16 14:40 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.0049 | 0.0020 | 1 | | 08/07/16 14:40 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.0049 | 0.0019 | 1 | | 08/07/16 14:40 | 79-34-5 | |
| Tetrachloroethene | ND | mg/kg | 0.0049 | 0.0017 | 1 | | 08/07/16 14:40 | 127-18-4 | |
| Tetrahydrofuran | ND | mg/kg | 0.049 | 0.027 | 1 | | 08/07/16 14:40 | 109-99-9 | |
| Toluene | ND | mg/kg | 0.0049 | 0.0018 | 1 | | 08/07/16 14:40 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.0049 | 0.0021 | 1 | | 08/07/16 14:40 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.0049 | 0.0016 | 1 | | 08/07/16 14:40 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.0049 | 0.0018 | 1 | | 08/07/16 14:40 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.0049 | 0.0020 | 1 | | 08/07/16 14:40 | 79-00-5 | |



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# ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: SB-3 (5-10)** **Lab ID: 92307801003** Collected: 08/03/16 14:15 Received: 08/04/16 14:42 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260/5035A SC Volatile Org** | Analytical Method: EPA 8260 | | | | | | | | |
| Trichloroethene | ND | mg/kg | 0.0049 | 0.0020 | 1 | | 08/07/16 14:40 | 79-01-6 | |
| Trichlorofluoromethane | ND | mg/kg | 0.0049 | 0.0021 | 1 | | 08/07/16 14:40 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.0049 | 0.0016 | 1 | | 08/07/16 14:40 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | mg/kg | 0.0049 | 0.0019 | 1 | | 08/07/16 14:40 | 76-13-1 | |
| 1,2,3-Trimethylbenzene | ND | mg/kg | 0.0049 | 0.0017 | 1 | | 08/07/16 14:40 | 526-73-8 | |
| 1,2,4-Trimethylbenzene | ND | mg/kg | 0.0049 | 0.0019 | 1 | | 08/07/16 14:40 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | mg/kg | 0.0049 | 0.0018 | 1 | | 08/07/16 14:40 | 108-67-8 | |
| Vinyl acetate | ND | mg/kg | 0.049 | 0.0086 | 1 | | 08/07/16 14:40 | 108-05-4 | |
| Vinyl chloride | ND | mg/kg | 0.0097 | 0.0018 | 1 | | 08/07/16 14:40 | 75-01-4 | |
| Xylene (Total) | ND | mg/kg | 0.0097 | 0.0035 | 1 | | 08/07/16 14:40 | 1330-20-7 | |
| m&p-Xylene | ND | mg/kg | 0.0097 | 0.0035 | 1 | | 08/07/16 14:40 | 179601-23-1 | |
| o-Xylene | ND | mg/kg | 0.0049 | 0.0019 | 1 | | 08/07/16 14:40 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| Toluene-d8 (S) | 97 | % | 70-130 | | 1 | | 08/07/16 14:40 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 98 | % | 70-130 | | 1 | | 08/07/16 14:40 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 100 | % | 70-130 | | 1 | | 08/07/16 14:40 | 17060-07-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **20.6** | % | 0.10 | 0.10 | 1 | | 08/05/16 16:20 | | |



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# ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: SB-4 (0-5)** **Lab ID: 92307801004** Collected: 08/03/16 14:20 Received: 08/04/16 14:42 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260/5035A SC Volatile Org** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | ND | mg/kg | 0.092 | 0.0092 | 1 | | 08/07/16 15:00 | 67-64-1 | |
| Acetonitrile | ND | mg/kg | 0.046 | 0.024 | 1 | | 08/07/16 15:00 | 75-05-8 | |
| Acrolein | ND | mg/kg | 0.092 | 0.013 | 1 | | 08/07/16 15:00 | 107-02-8 | L2 |
| Acrylonitrile | ND | mg/kg | 0.092 | 0.024 | 1 | | 08/07/16 15:00 | 107-13-1 | |
| Allyl chloride | ND | mg/kg | 0.046 | 0.0015 | 1 | | 08/07/16 15:00 | 107-05-1 | |
| tert-Amyl Alcohol | ND | mg/kg | 0.092 | 0.019 | 1 | | 08/07/16 15:00 | 75-85-4 | |
| tert-Amylmethyl ether | ND | mg/kg | 0.0092 | 0.0010 | 1 | | 08/07/16 15:00 | 994-05-8 | |
| Benzene | ND | mg/kg | 0.0046 | 0.0015 | 1 | | 08/07/16 15:00 | 71-43-2 | |
| Bromobenzene | ND | mg/kg | 0.0046 | 0.0018 | 1 | | 08/07/16 15:00 | 108-86-1 | |
| Bromochloromethane | ND | mg/kg | 0.0046 | 0.0016 | 1 | | 08/07/16 15:00 | 74-97-5 | |
| Bromodichloromethane | ND | mg/kg | 0.0046 | 0.0018 | 1 | | 08/07/16 15:00 | 75-27-4 | |
| Bromoform | ND | mg/kg | 0.0046 | 0.0021 | 1 | | 08/07/16 15:00 | 75-25-2 | |
| Bromomethane | ND | mg/kg | 0.0092 | 0.0023 | 1 | | 08/07/16 15:00 | 74-83-9 | |
| TOTAL BTEX | ND | mg/kg | 0.0046 | 0.0046 | 1 | | 08/07/16 15:00 | | |
| 3,3-Dimethyl-1-Butanol | ND | mg/kg | 0.092 | 0.026 | 1 | | 08/07/16 15:00 | 624-95-3 | |
| 2-Butanone (MEK) | ND | mg/kg | 0.092 | 0.0027 | 1 | | 08/07/16 15:00 | 78-93-3 | |
| tert-Butyl Alcohol | ND | mg/kg | 0.092 | 0.018 | 1 | | 08/07/16 15:00 | 75-65-0 | |
| n-Butylbenzene | ND | mg/kg | 0.0046 | 0.0017 | 1 | | 08/07/16 15:00 | 104-51-8 | |
| sec-Butylbenzene | ND | mg/kg | 0.0046 | 0.0015 | 1 | | 08/07/16 15:00 | 135-98-8 | |
| tert-Butylbenzene | ND | mg/kg | 0.0046 | 0.0018 | 1 | | 08/07/16 15:00 | 98-06-6 | |
| tert-Butyl Formate | ND | mg/kg | 0.046 | 0.0013 | 1 | | 08/07/16 15:00 | 762-75-4 | |
| Carbon disulfide | ND | mg/kg | 0.0092 | 0.0028 | 1 | | 08/07/16 15:00 | 75-15-0 | |
| Carbon tetrachloride | ND | mg/kg | 0.0046 | 0.0024 | 1 | | 08/07/16 15:00 | 56-23-5 | |
| Chlorobenzene | ND | mg/kg | 0.0046 | 0.0018 | 1 | | 08/07/16 15:00 | 108-90-7 | |
| Chloroethane | ND | mg/kg | 0.0092 | 0.0022 | 1 | | 08/07/16 15:00 | 75-00-3 | |
| Chloroform | ND | mg/kg | 0.0046 | 0.0015 | 1 | | 08/07/16 15:00 | 67-66-3 | |
| Chloromethane | ND | mg/kg | 0.0092 | 0.0022 | 1 | | 08/07/16 15:00 | 74-87-3 | |
| Chloroprene | ND | mg/kg | 0.0092 | 0.0092 | 1 | | 08/07/16 15:00 | 126-99-8 | |
| 2-Chlorotoluene | ND | mg/kg | 0.0046 | 0.0016 | 1 | | 08/07/16 15:00 | 95-49-8 | |
| 4-Chlorotoluene | ND | mg/kg | 0.0046 | 0.0017 | 1 | | 08/07/16 15:00 | 106-43-4 | |
| Cyclohexane | ND | mg/kg | 0.0046 | 0.0015 | 1 | | 08/07/16 15:00 | 110-82-7 | |
| Cyclohexanone | ND | mg/kg | 0.23 | 0.0046 | 1 | | 08/07/16 15:00 | 108-94-1 | |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.0046 | 0.0033 | 1 | | 08/07/16 15:00 | 96-12-8 | |
| Dibromochloromethane | ND | mg/kg | 0.0046 | 0.0017 | 1 | | 08/07/16 15:00 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | mg/kg | 0.0046 | 0.0017 | 1 | | 08/07/16 15:00 | 106-93-4 | |
| Dibromomethane | ND | mg/kg | 0.0046 | 0.0023 | 1 | | 08/07/16 15:00 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.0046 | 0.0018 | 1 | | 08/07/16 15:00 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.0046 | 0.0018 | 1 | | 08/07/16 15:00 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.0046 | 0.0016 | 1 | | 08/07/16 15:00 | 106-46-7 | |
| cis-1,4-Dichloro-2-butene | ND | mg/kg | 0.0046 | 0.0025 | 1 | | 08/07/16 15:00 | 1476-11-5 | |
| trans-1,4-Dichloro-2-butene | ND | mg/kg | 0.0046 | 0.0033 | 1 | | 08/07/16 15:00 | 110-57-6 | |
| Dichlorodifluoromethane | ND | mg/kg | 0.0092 | 0.0033 | 1 | | 08/07/16 15:00 | 75-71-8 | |
| 1,1-Dichloroethane | ND | mg/kg | 0.0046 | 0.0014 | 1 | | 08/07/16 15:00 | 75-34-3 | |
| 1,2-Dichloroethane | ND | mg/kg | 0.0046 | 0.0020 | 1 | | 08/07/16 15:00 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | mg/kg | 0.0046 | 0.0046 | 1 | | 08/07/16 15:00 | 540-59-0 | |



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9800 Kincey Ave. Suite 100
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# ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: SB-4 (0-5)** **Lab ID: 92307801004** Collected: 08/03/16 14:20 Received: 08/04/16 14:42 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260/5035A SC Volatile Org** | Analytical Method: EPA 8260 | | | | | | | | |
| 1,1-Dichloroethene | ND | mg/kg | 0.0046 | 0.0017 | 1 | | 08/07/16 15:00 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.0046 | 0.0013 | 1 | | 08/07/16 15:00 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | mg/kg | 0.0046 | 0.0018 | 1 | | 08/07/16 15:00 | 156-60-5 | |
| 1,2-Dichloropropane | ND | mg/kg | 0.0046 | 0.0016 | 1 | | 08/07/16 15:00 | 78-87-5 | |
| 1,3-Dichloropropane | ND | mg/kg | 0.0046 | 0.0018 | 1 | | 08/07/16 15:00 | 142-28-9 | |
| 2,2-Dichloropropane | ND | mg/kg | 0.0046 | 0.0016 | 1 | | 08/07/16 15:00 | 594-20-7 | |
| 1,1-Dichloropropene | ND | mg/kg | 0.0046 | 0.0014 | 1 | | 08/07/16 15:00 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | mg/kg | 0.0046 | 0.0017 | 1 | | 08/07/16 15:00 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.0046 | 0.0014 | 1 | | 08/07/16 15:00 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | mg/kg | 0.0046 | 0.0016 | 1 | | 08/07/16 15:00 | 60-29-7 | |
| Diisopropyl ether | ND | mg/kg | 0.0046 | 0.0016 | 1 | | 08/07/16 15:00 | 108-20-3 | |
| 1,4-Dioxane (p-Dioxane) | ND | mg/kg | 0.14 | 0.11 | 1 | | 08/07/16 15:00 | 123-91-1 | |
| Ethanol | ND | mg/kg | 0.18 | 0.057 | 1 | | 08/07/16 15:00 | 64-17-5 | |
| Ethyl acetate | ND | mg/kg | 0.092 | 0.092 | 1 | | 08/07/16 15:00 | 141-78-6 | |
| Ethylbenzene | ND | mg/kg | 0.0046 | 0.0017 | 1 | | 08/07/16 15:00 | 100-41-4 | |
| Ethyl methacrylate | ND | mg/kg | 0.0046 | 0.0020 | 1 | | 08/07/16 15:00 | 97-63-2 | |
| Ethyl-tert-butyl ether | ND | mg/kg | 0.0092 | 0.0013 | 1 | | 08/07/16 15:00 | 637-92-3 | |
| Hexachloro-1,3-butadiene | ND | mg/kg | 0.0046 | 0.0018 | 1 | | 08/07/16 15:00 | 87-68-3 | |
| n-Hexane | ND | mg/kg | 0.0046 | 0.0028 | 1 | | 08/07/16 15:00 | 110-54-3 | |
| 2-Hexanone | ND | mg/kg | 0.046 | 0.0036 | 1 | | 08/07/16 15:00 | 591-78-6 | |
| Iodomethane | ND | mg/kg | 0.0092 | 0.0091 | 1 | | 08/07/16 15:00 | 74-88-4 | |
| Isobutanol | ND | mg/kg | 0.092 | 0.051 | 1 | | 08/07/16 15:00 | 78-83-1 | |
| Isopropylbenzene (Cumene) | ND | mg/kg | 0.0046 | 0.0018 | 1 | | 08/07/16 15:00 | 98-82-8 | |
| p-Isopropyltoluene | ND | mg/kg | 0.0046 | 0.0016 | 1 | | 08/07/16 15:00 | 99-87-6 | |
| Methacrylonitrile | ND | mg/kg | 0.046 | 0.016 | 1 | | 08/07/16 15:00 | 126-98-7 | |
| Methyl acetate | ND | mg/kg | 0.0092 | 0.0013 | 1 | | 08/07/16 15:00 | 79-20-9 | |
| Methylcyclohexane | ND | mg/kg | 0.0092 | 0.0014 | 1 | | 08/07/16 15:00 | 108-87-2 | |
| Methylene Chloride | ND | mg/kg | 0.018 | 0.0028 | 1 | | 08/07/16 15:00 | 75-09-2 | |
| Methyl methacrylate | ND | mg/kg | 0.0046 | 0.0018 | 1 | | 08/07/16 15:00 | 80-62-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND | mg/kg | 0.046 | 0.0034 | 1 | | 08/07/16 15:00 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | mg/kg | 0.0046 | 0.0014 | 1 | | 08/07/16 15:00 | 1634-04-4 | |
| Naphthalene | ND | mg/kg | 0.0046 | 0.0011 | 1 | | 08/07/16 15:00 | 91-20-3 | |
| Pentachloroethane | ND | mg/kg | 0.0046 | 0.0046 | 1 | | 08/07/16 15:00 | 76-01-7 | |
| Propionitrile | ND | mg/kg | 0.046 | 0.017 | 1 | | 08/07/16 15:00 | 107-12-0 | |
| n-Propylbenzene | ND | mg/kg | 0.0046 | 0.0016 | 1 | | 08/07/16 15:00 | 103-65-1 | |
| Styrene | ND | mg/kg | 0.0046 | 0.0017 | 1 | | 08/07/16 15:00 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.0046 | 0.0019 | 1 | | 08/07/16 15:00 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.0046 | 0.0018 | 1 | | 08/07/16 15:00 | 79-34-5 | |
| Tetrachloroethene | ND | mg/kg | 0.0046 | 0.0016 | 1 | | 08/07/16 15:00 | 127-18-4 | |
| Tetrahydrofuran | ND | mg/kg | 0.046 | 0.026 | 1 | | 08/07/16 15:00 | 109-99-9 | |
| Toluene | ND | mg/kg | 0.0046 | 0.0017 | 1 | | 08/07/16 15:00 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.0046 | 0.0020 | 1 | | 08/07/16 15:00 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.0046 | 0.0015 | 1 | | 08/07/16 15:00 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.0046 | 0.0017 | 1 | | 08/07/16 15:00 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.0046 | 0.0019 | 1 | | 08/07/16 15:00 | 79-00-5 | |



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# ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: SB-4 (0-5)** **Lab ID: 92307801004** Collected: 08/03/16 14:20 Received: 08/04/16 14:42 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260/5035A SC Volatile Org** | Analytical Method: EPA 8260 | | | | | | | | |
| Trichloroethene | ND | mg/kg | 0.0046 | 0.0019 | 1 | | 08/07/16 15:00 | 79-01-6 | |
| Trichlorofluoromethane | ND | mg/kg | 0.0046 | 0.0020 | 1 | | 08/07/16 15:00 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.0046 | 0.0015 | 1 | | 08/07/16 15:00 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | mg/kg | 0.0046 | 0.0018 | 1 | | 08/07/16 15:00 | 76-13-1 | |
| 1,2,3-Trimethylbenzene | ND | mg/kg | 0.0046 | 0.0016 | 1 | | 08/07/16 15:00 | 526-73-8 | |
| 1,2,4-Trimethylbenzene | ND | mg/kg | 0.0046 | 0.0018 | 1 | | 08/07/16 15:00 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | mg/kg | 0.0046 | 0.0017 | 1 | | 08/07/16 15:00 | 108-67-8 | |
| Vinyl acetate | ND | mg/kg | 0.046 | 0.0081 | 1 | | 08/07/16 15:00 | 108-05-4 | |
| Vinyl chloride | ND | mg/kg | 0.0092 | 0.0017 | 1 | | 08/07/16 15:00 | 75-01-4 | |
| Xylene (Total) | ND | mg/kg | 0.0092 | 0.0033 | 1 | | 08/07/16 15:00 | 1330-20-7 | |
| m&p-Xylene | ND | mg/kg | 0.0092 | 0.0033 | 1 | | 08/07/16 15:00 | 179601-23-1 | |
| o-Xylene | ND | mg/kg | 0.0046 | 0.0018 | 1 | | 08/07/16 15:00 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 08/07/16 15:00 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 104 | % | 70-130 | | 1 | | 08/07/16 15:00 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 106 | % | 70-130 | | 1 | | 08/07/16 15:00 | 17060-07-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **5.6** | % | 0.10 | 0.10 | 1 | | 08/05/16 16:20 | | |



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# ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: SB-5 (0-5)** **Lab ID: 92307801005** Collected: 08/03/16 14:30 Received: 08/04/16 14:42 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260/5035A SC Volatile Org** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | ND | mg/kg | 0.096 | 0.0096 | 1 | | 08/07/16 15:20 | 67-64-1 | |
| Acetonitrile | ND | mg/kg | 0.048 | 0.025 | 1 | | 08/07/16 15:20 | 75-05-8 | |
| Acrolein | ND | mg/kg | 0.096 | 0.013 | 1 | | 08/07/16 15:20 | 107-02-8 | L2 |
| Acrylonitrile | ND | mg/kg | 0.096 | 0.025 | 1 | | 08/07/16 15:20 | 107-13-1 | |
| Allyl chloride | ND | mg/kg | 0.048 | 0.0015 | 1 | | 08/07/16 15:20 | 107-05-1 | |
| tert-Amyl Alcohol | ND | mg/kg | 0.096 | 0.020 | 1 | | 08/07/16 15:20 | 75-85-4 | |
| tert-Amylmethyl ether | ND | mg/kg | 0.0096 | 0.0011 | 1 | | 08/07/16 15:20 | 994-05-8 | |
| Benzene | ND | mg/kg | 0.0048 | 0.0015 | 1 | | 08/07/16 15:20 | 71-43-2 | |
| Bromobenzene | ND | mg/kg | 0.0048 | 0.0019 | 1 | | 08/07/16 15:20 | 108-86-1 | |
| Bromochloromethane | ND | mg/kg | 0.0048 | 0.0016 | 1 | | 08/07/16 15:20 | 74-97-5 | |
| Bromodichloromethane | ND | mg/kg | 0.0048 | 0.0018 | 1 | | 08/07/16 15:20 | 75-27-4 | |
| Bromoform | ND | mg/kg | 0.0048 | 0.0022 | 1 | | 08/07/16 15:20 | 75-25-2 | |
| Bromomethane | ND | mg/kg | 0.0096 | 0.0024 | 1 | | 08/07/16 15:20 | 74-83-9 | |
| TOTAL BTEX | ND | mg/kg | 0.0048 | 0.0048 | 1 | | 08/07/16 15:20 | | |
| 3,3-Dimethyl-1-Butanol | ND | mg/kg | 0.096 | 0.027 | 1 | | 08/07/16 15:20 | 624-95-3 | |
| 2-Butanone (MEK) | ND | mg/kg | 0.096 | 0.0028 | 1 | | 08/07/16 15:20 | 78-93-3 | |
| tert-Butyl Alcohol | ND | mg/kg | 0.096 | 0.018 | 1 | | 08/07/16 15:20 | 75-65-0 | |
| n-Butylbenzene | ND | mg/kg | 0.0048 | 0.0017 | 1 | | 08/07/16 15:20 | 104-51-8 | |
| sec-Butylbenzene | ND | mg/kg | 0.0048 | 0.0015 | 1 | | 08/07/16 15:20 | 135-98-8 | |
| tert-Butylbenzene | ND | mg/kg | 0.0048 | 0.0019 | 1 | | 08/07/16 15:20 | 98-06-6 | |
| tert-Butyl Formate | ND | mg/kg | 0.048 | 0.0013 | 1 | | 08/07/16 15:20 | 762-75-4 | |
| Carbon disulfide | ND | mg/kg | 0.0096 | 0.0029 | 1 | | 08/07/16 15:20 | 75-15-0 | |
| Carbon tetrachloride | ND | mg/kg | 0.0048 | 0.0025 | 1 | | 08/07/16 15:20 | 56-23-5 | |
| Chlorobenzene | ND | mg/kg | 0.0048 | 0.0018 | 1 | | 08/07/16 15:20 | 108-90-7 | |
| Chloroethane | ND | mg/kg | 0.0096 | 0.0023 | 1 | | 08/07/16 15:20 | 75-00-3 | |
| Chloroform | ND | mg/kg | 0.0048 | 0.0015 | 1 | | 08/07/16 15:20 | 67-66-3 | |
| Chloromethane | ND | mg/kg | 0.0096 | 0.0023 | 1 | | 08/07/16 15:20 | 74-87-3 | |
| Chloroprene | ND | mg/kg | 0.0096 | 0.0096 | 1 | | 08/07/16 15:20 | 126-99-8 | |
| 2-Chlorotoluene | ND | mg/kg | 0.0048 | 0.0016 | 1 | | 08/07/16 15:20 | 95-49-8 | |
| 4-Chlorotoluene | ND | mg/kg | 0.0048 | 0.0017 | 1 | | 08/07/16 15:20 | 106-43-4 | |
| Cyclohexane | ND | mg/kg | 0.0048 | 0.0015 | 1 | | 08/07/16 15:20 | 110-82-7 | |
| Cyclohexanone | ND | mg/kg | 0.24 | 0.0048 | 1 | | 08/07/16 15:20 | 108-94-1 | |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.0048 | 0.0034 | 1 | | 08/07/16 15:20 | 96-12-8 | |
| Dibromochloromethane | ND | mg/kg | 0.0048 | 0.0017 | 1 | | 08/07/16 15:20 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | mg/kg | 0.0048 | 0.0017 | 1 | | 08/07/16 15:20 | 106-93-4 | |
| Dibromomethane | ND | mg/kg | 0.0048 | 0.0024 | 1 | | 08/07/16 15:20 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.0048 | 0.0018 | 1 | | 08/07/16 15:20 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.0048 | 0.0019 | 1 | | 08/07/16 15:20 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.0048 | 0.0016 | 1 | | 08/07/16 15:20 | 106-46-7 | |
| cis-1,4-Dichloro-2-butene | ND | mg/kg | 0.0048 | 0.0026 | 1 | | 08/07/16 15:20 | 1476-11-5 | |
| trans-1,4-Dichloro-2-butene | ND | mg/kg | 0.0048 | 0.0034 | 1 | | 08/07/16 15:20 | 110-57-6 | |
| Dichlorodifluoromethane | ND | mg/kg | 0.0096 | 0.0034 | 1 | | 08/07/16 15:20 | 75-71-8 | |
| 1,1-Dichloroethane | ND | mg/kg | 0.0048 | 0.0014 | 1 | | 08/07/16 15:20 | 75-34-3 | |
| 1,2-Dichloroethane | ND | mg/kg | 0.0048 | 0.0021 | 1 | | 08/07/16 15:20 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | mg/kg | 0.0048 | 0.0048 | 1 | | 08/07/16 15:20 | 540-59-0 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: SB-5 (0-5)** **Lab ID: 92307801005** Collected: 08/03/16 14:30 Received: 08/04/16 14:42 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260/5035A SC Volatile Org** | Analytical Method: EPA 8260 | | | | | | | | |
| 1,1-Dichloroethene | ND | mg/kg | 0.0048 | 0.0017 | 1 | | 08/07/16 15:20 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.0048 | 0.0013 | 1 | | 08/07/16 15:20 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | mg/kg | 0.0048 | 0.0018 | 1 | | 08/07/16 15:20 | 156-60-5 | |
| 1,2-Dichloropropane | ND | mg/kg | 0.0048 | 0.0016 | 1 | | 08/07/16 15:20 | 78-87-5 | |
| 1,3-Dichloropropane | ND | mg/kg | 0.0048 | 0.0018 | 1 | | 08/07/16 15:20 | 142-28-9 | |
| 2,2-Dichloropropane | ND | mg/kg | 0.0048 | 0.0016 | 1 | | 08/07/16 15:20 | 594-20-7 | |
| 1,1-Dichloropropene | ND | mg/kg | 0.0048 | 0.0014 | 1 | | 08/07/16 15:20 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | mg/kg | 0.0048 | 0.0017 | 1 | | 08/07/16 15:20 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.0048 | 0.0014 | 1 | | 08/07/16 15:20 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | mg/kg | 0.0048 | 0.0016 | 1 | | 08/07/16 15:20 | 60-29-7 | |
| Diisopropyl ether | ND | mg/kg | 0.0048 | 0.0016 | 1 | | 08/07/16 15:20 | 108-20-3 | |
| 1,4-Dioxane (p-Dioxane) | ND | mg/kg | 0.14 | 0.11 | 1 | | 08/07/16 15:20 | 123-91-1 | |
| Ethanol | ND | mg/kg | 0.19 | 0.059 | 1 | | 08/07/16 15:20 | 64-17-5 | |
| Ethyl acetate | ND | mg/kg | 0.096 | 0.096 | 1 | | 08/07/16 15:20 | 141-78-6 | |
| Ethylbenzene | ND | mg/kg | 0.0048 | 0.0017 | 1 | | 08/07/16 15:20 | 100-41-4 | |
| Ethyl methacrylate | ND | mg/kg | 0.0048 | 0.0021 | 1 | | 08/07/16 15:20 | 97-63-2 | |
| Ethyl-tert-butyl ether | ND | mg/kg | 0.0096 | 0.0013 | 1 | | 08/07/16 15:20 | 637-92-3 | |
| Hexachloro-1,3-butadiene | ND | mg/kg | 0.0048 | 0.0019 | 1 | | 08/07/16 15:20 | 87-68-3 | |
| n-Hexane | ND | mg/kg | 0.0048 | 0.0029 | 1 | | 08/07/16 15:20 | 110-54-3 | |
| 2-Hexanone | ND | mg/kg | 0.048 | 0.0037 | 1 | | 08/07/16 15:20 | 591-78-6 | |
| Iodomethane | ND | mg/kg | 0.0096 | 0.0095 | 1 | | 08/07/16 15:20 | 74-88-4 | |
| Isobutanol | ND | mg/kg | 0.096 | 0.053 | 1 | | 08/07/16 15:20 | 78-83-1 | |
| Isopropylbenzene (Cumene) | ND | mg/kg | 0.0048 | 0.0018 | 1 | | 08/07/16 15:20 | 98-82-8 | |
| p-Isopropyltoluene | ND | mg/kg | 0.0048 | 0.0016 | 1 | | 08/07/16 15:20 | 99-87-6 | |
| Methacrylonitrile | ND | mg/kg | 0.048 | 0.016 | 1 | | 08/07/16 15:20 | 126-98-7 | |
| Methyl acetate | ND | mg/kg | 0.0096 | 0.0013 | 1 | | 08/07/16 15:20 | 79-20-9 | |
| Methylcyclohexane | ND | mg/kg | 0.0096 | 0.0014 | 1 | | 08/07/16 15:20 | 108-87-2 | |
| Methylene Chloride | ND | mg/kg | 0.019 | 0.0029 | 1 | | 08/07/16 15:20 | 75-09-2 | |
| Methyl methacrylate | ND | mg/kg | 0.0048 | 0.0018 | 1 | | 08/07/16 15:20 | 80-62-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND | mg/kg | 0.048 | 0.0035 | 1 | | 08/07/16 15:20 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | mg/kg | 0.0048 | 0.0014 | 1 | | 08/07/16 15:20 | 1634-04-4 | |
| Naphthalene | ND | mg/kg | 0.0048 | 0.0011 | 1 | | 08/07/16 15:20 | 91-20-3 | |
| Pentachloroethane | ND | mg/kg | 0.0048 | 0.0048 | 1 | | 08/07/16 15:20 | 76-01-7 | |
| Propionitrile | ND | mg/kg | 0.048 | 0.017 | 1 | | 08/07/16 15:20 | 107-12-0 | |
| n-Propylbenzene | ND | mg/kg | 0.0048 | 0.0016 | 1 | | 08/07/16 15:20 | 103-65-1 | |
| Styrene | ND | mg/kg | 0.0048 | 0.0017 | 1 | | 08/07/16 15:20 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.0048 | 0.0020 | 1 | | 08/07/16 15:20 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.0048 | 0.0018 | 1 | | 08/07/16 15:20 | 79-34-5 | |
| Tetrachloroethene | ND | mg/kg | 0.0048 | 0.0016 | 1 | | 08/07/16 15:20 | 127-18-4 | |
| Tetrahydrofuran | ND | mg/kg | 0.048 | 0.027 | 1 | | 08/07/16 15:20 | 109-99-9 | |
| Toluene | ND | mg/kg | 0.0048 | 0.0017 | 1 | | 08/07/16 15:20 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.0048 | 0.0021 | 1 | | 08/07/16 15:20 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.0048 | 0.0015 | 1 | | 08/07/16 15:20 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.0048 | 0.0017 | 1 | | 08/07/16 15:20 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.0048 | 0.0020 | 1 | | 08/07/16 15:20 | 79-00-5 | |



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# ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: SB-5 (0-5)** **Lab ID: 92307801005** Collected: 08/03/16 14:30 Received: 08/04/16 14:42 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260/5035A SC Volatile Org** | Analytical Method: EPA 8260 | | | | | | | | |
| Trichloroethene | ND | mg/kg | 0.0048 | 0.0020 | 1 | | 08/07/16 15:20 | 79-01-6 | |
| Trichlorofluoromethane | ND | mg/kg | 0.0048 | 0.0021 | 1 | | 08/07/16 15:20 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.0048 | 0.0015 | 1 | | 08/07/16 15:20 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | mg/kg | 0.0048 | 0.0018 | 1 | | 08/07/16 15:20 | 76-13-1 | |
| 1,2,3-Trimethylbenzene | ND | mg/kg | 0.0048 | 0.0016 | 1 | | 08/07/16 15:20 | 526-73-8 | |
| 1,2,4-Trimethylbenzene | ND | mg/kg | 0.0048 | 0.0019 | 1 | | 08/07/16 15:20 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | mg/kg | 0.0048 | 0.0017 | 1 | | 08/07/16 15:20 | 108-67-8 | |
| Vinyl acetate | ND | mg/kg | 0.048 | 0.0084 | 1 | | 08/07/16 15:20 | 108-05-4 | |
| Vinyl chloride | ND | mg/kg | 0.0096 | 0.0017 | 1 | | 08/07/16 15:20 | 75-01-4 | |
| Xylene (Total) | ND | mg/kg | 0.0096 | 0.0034 | 1 | | 08/07/16 15:20 | 1330-20-7 | |
| m&p-Xylene | ND | mg/kg | 0.0096 | 0.0034 | 1 | | 08/07/16 15:20 | 179601-23-1 | |
| o-Xylene | ND | mg/kg | 0.0048 | 0.0018 | 1 | | 08/07/16 15:20 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| Toluene-d8 (S) | 99 | % | 70-130 | | 1 | | 08/07/16 15:20 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 106 | % | 70-130 | | 1 | | 08/07/16 15:20 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 105 | % | 70-130 | | 1 | | 08/07/16 15:20 | 17060-07-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **6.0** | % | 0.10 | 0.10 | 1 | | 08/05/16 16:20 | | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-1** **Lab ID: 92307801006** Collected: 08/03/16 09:20 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | ND | ug/L | 25.0 | 10.0 | 1 | | 08/08/16 18:09 | 67-64-1 | |
| Acetonitrile | ND | ug/L | 50.0 | 15.0 | 1 | | 08/08/16 18:09 | 75-05-8 | |
| Acrolein | ND | ug/L | 100 | 8.8 | 1 | | 08/08/16 18:09 | 107-02-8 | |
| Acrylonitrile | ND | ug/L | 100 | 11.5 | 1 | | 08/08/16 18:09 | 107-13-1 | |
| Allyl chloride | ND | ug/L | 50.0 | 2.1 | 1 | | 08/08/16 18:09 | 107-05-1 | |
| tert-Amyl Alcohol | ND | ug/L | 100 | 76.8 | 1 | | 08/08/16 18:09 | 75-85-4 | |
| tert-Amylmethyl ether | ND | ug/L | 10.0 | 3.4 | 1 | | 08/08/16 18:09 | 994-05-8 | |
| Benzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:09 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:09 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 5.0 | 2.2 | 1 | | 08/08/16 18:09 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:09 | 75-27-4 | |
| Bromoform | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:09 | 75-25-2 | |
| Bromomethane | ND | ug/L | 10.0 | 2.5 | 1 | | 08/08/16 18:09 | 74-83-9 | |
| TOTAL BTEX | ND | ug/L | 5.0 | 5.0 | 1 | | 08/08/16 18:09 | | |
| 3,3-Dimethyl-1-Butanol | ND | ug/L | 100 | 32.1 | 1 | | 08/08/16 18:09 | 624-95-3 | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 4.9 | 1 | | 08/08/16 18:09 | 78-93-3 | |
| tert-Butyl Alcohol | ND | ug/L | 100 | 57.7 | 1 | | 08/08/16 18:09 | 75-65-0 | |
| n-Butylbenzene | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:09 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:09 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:09 | 98-06-6 | |
| tert-Butyl Formate | ND | ug/L | 50.0 | 7.3 | 1 | | 08/08/16 18:09 | 762-75-4 | |
| Carbon disulfide | ND | ug/L | 10.0 | 1.7 | 1 | | 08/08/16 18:09 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:09 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:09 | 108-90-7 | |
| Chloroethane | ND | ug/L | 10.0 | 1.6 | 1 | | 08/08/16 18:09 | 75-00-3 | |
| 2-Chloroethylvinyl ether | ND | ug/L | 10.0 | 2.2 | 1 | | 08/08/16 18:09 | 110-75-8 | c2 |
| Chloroform | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:09 | 67-66-3 | |
| Chloromethane | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:09 | 74-87-3 | |
| Chloroprene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:09 | 126-99-8 | |
| 2-Chlorotoluene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:09 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:09 | 106-43-4 | |
| Cyclohexane | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 18:09 | 110-82-7 | |
| Cyclohexanone | ND | ug/L | 250 | 10.8 | 1 | | 08/08/16 18:09 | 108-94-1 | L3 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 2.0 | 1.7 | 1 | | 08/08/16 18:09 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:09 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:09 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 18:09 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:09 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:09 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:09 | 106-46-7 | |
| cis-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:09 | 1476-11-5 | |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 18:09 | 110-57-6 | L3 |
| Dichlorodifluoromethane | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:09 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:09 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:09 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 5.0 | 4.4 | 1 | | 08/08/16 18:09 | 540-59-0 | |



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# ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-1** **Lab ID: 92307801006** Collected: 08/03/16 09:20 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| 1,1-Dichloroethene | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:09 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:09 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:09 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:09 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:09 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:09 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:09 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:09 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:09 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:09 | 60-29-7 | |
| Diisopropyl ether | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:09 | 108-20-3 | |
| 1,4-Dioxane (p-Dioxane) | ND | ug/L | 150 | 91.9 | 1 | | 08/08/16 18:09 | 123-91-1 | |
| Ethanol | ND | ug/L | 200 | 131 | 1 | | 08/08/16 18:09 | 64-17-5 | |
| Ethyl acetate | ND | ug/L | 100 | 3.8 | 1 | | 08/08/16 18:09 | 141-78-6 | |
| Ethylbenzene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:09 | 100-41-4 | |
| Ethyl methacrylate | ND | ug/L | 5.0 | 2.4 | 1 | | 08/08/16 18:09 | 97-63-2 | |
| Ethyl-tert-butyl ether | ND | ug/L | 10.0 | 3.6 | 1 | | 08/08/16 18:09 | 637-92-3 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:09 | 87-68-3 | |
| n-Hexane | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:09 | 110-54-3 | |
| 2-Hexanone | ND | ug/L | 10.0 | 3.8 | 1 | | 08/08/16 18:09 | 591-78-6 | |
| Iodomethane | ND | ug/L | 10.0 | 3.1 | 1 | | 08/08/16 18:09 | 74-88-4 | |
| Isobutanol | ND | ug/L | 100 | 55.1 | 1 | | 08/08/16 18:09 | 78-83-1 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:09 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:09 | 99-87-6 | |
| Methacrylonitrile | ND | ug/L | 50.0 | 20.4 | 1 | | 08/08/16 18:09 | 126-98-7 | |
| Methyl acetate | ND | ug/L | 10.0 | 1.9 | 1 | | 08/08/16 18:09 | 79-20-9 | |
| Methylcyclohexane | ND | ug/L | 10.0 | 2.7 | 1 | | 08/08/16 18:09 | 108-87-2 | |
| Methylene Chloride | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:09 | 75-09-2 | |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:09 | 80-62-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 3.6 | 1 | | 08/08/16 18:09 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:09 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 18:09 | 91-20-3 | |
| Pentachloroethane | ND | ug/L | 5.0 | 5.0 | 1 | | 08/08/16 18:09 | 76-01-7 | |
| Propionitrile | ND | ug/L | 50.0 | 21.0 | 1 | | 08/08/16 18:09 | 107-12-0 | |
| n-Propylbenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:09 | 103-65-1 | |
| Styrene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:09 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:09 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:09 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:09 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 50.0 | 20.1 | 1 | | 08/08/16 18:09 | 109-99-9 | |
| Toluene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:09 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 18:09 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:09 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:09 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:09 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:09 | 79-01-6 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-1** **Lab ID: 92307801006** Collected: 08/03/16 09:20 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Trichlorofluoromethane | ND | ug/L | 10.0 | 1.7 | 1 | | 08/08/16 18:09 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:09 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 5.0 | 2.2 | 1 | | 08/08/16 18:09 | 76-13-1 | |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:09 | 526-73-8 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:09 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5.0 | 1.3 | 1 | | 08/08/16 18:09 | 108-67-8 | |
| Vinyl acetate | ND | ug/L | 10.0 | 2.3 | 1 | | 08/08/16 18:09 | 108-05-4 | |
| Vinyl chloride | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:09 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 10.0 | 2.7 | 1 | | 08/08/16 18:09 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 10.0 | 3.1 | 1 | | 08/08/16 18:09 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:09 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 99 | % | 70-130 | | 1 | | 08/08/16 18:09 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 97 | % | 70-130 | | 1 | | 08/08/16 18:09 | 17060-07-0 | |
| Toluene-d8 (S) | 102 | % | 70-130 | | 1 | | 08/08/16 18:09 | 2037-26-5 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-2** **Lab ID: 92307801007** Collected: 08/03/16 10:40 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | ND | ug/L | 25.0 | 10.0 | 1 | | 08/08/16 20:24 | 67-64-1 | |
| Acetonitrile | ND | ug/L | 50.0 | 15.0 | 1 | | 08/08/16 20:24 | 75-05-8 | |
| Acrolein | ND | ug/L | 100 | 8.8 | 1 | | 08/08/16 20:24 | 107-02-8 | |
| Acrylonitrile | ND | ug/L | 100 | 11.5 | 1 | | 08/08/16 20:24 | 107-13-1 | |
| Allyl chloride | ND | ug/L | 50.0 | 2.1 | 1 | | 08/08/16 20:24 | 107-05-1 | |
| tert-Amyl Alcohol | ND | ug/L | 100 | 76.8 | 1 | | 08/08/16 20:24 | 75-85-4 | |
| tert-Amylmethyl ether | ND | ug/L | 10.0 | 3.4 | 1 | | 08/08/16 20:24 | 994-05-8 | |
| Benzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 20:24 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 20:24 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 5.0 | 2.2 | 1 | | 08/08/16 20:24 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 20:24 | 75-27-4 | |
| Bromoform | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 20:24 | 75-25-2 | |
| Bromomethane | ND | ug/L | 10.0 | 2.5 | 1 | | 08/08/16 20:24 | 74-83-9 | |
| TOTAL BTEX | ND | ug/L | 5.0 | 5.0 | 1 | | 08/08/16 20:24 | | |
| 3,3-Dimethyl-1-Butanol | ND | ug/L | 100 | 32.1 | 1 | | 08/08/16 20:24 | 624-95-3 | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 4.9 | 1 | | 08/08/16 20:24 | 78-93-3 | |
| tert-Butyl Alcohol | **97.6J** | ug/L | 100 | 57.7 | 1 | | 08/08/16 20:24 | 75-65-0 | |
| n-Butylbenzene | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 20:24 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 20:24 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 20:24 | 98-06-6 | |
| tert-Butyl Formate | ND | ug/L | 50.0 | 7.3 | 1 | | 08/08/16 20:24 | 762-75-4 | |
| Carbon disulfide | ND | ug/L | 10.0 | 1.7 | 1 | | 08/08/16 20:24 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 20:24 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 20:24 | 108-90-7 | |
| Chloroethane | ND | ug/L | 10.0 | 1.6 | 1 | | 08/08/16 20:24 | 75-00-3 | |
| 2-Chloroethylvinyl ether | ND | ug/L | 10.0 | 2.2 | 1 | | 08/08/16 20:24 | 110-75-8 | c2 |
| Chloroform | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 20:24 | 67-66-3 | |
| Chloromethane | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 20:24 | 74-87-3 | |
| Chloroprene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 20:24 | 126-99-8 | |
| 2-Chlorotoluene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 20:24 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 20:24 | 106-43-4 | |
| Cyclohexane | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 20:24 | 110-82-7 | |
| Cyclohexanone | ND | ug/L | 250 | 10.8 | 1 | | 08/08/16 20:24 | 108-94-1 | L3 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 2.0 | 1.7 | 1 | | 08/08/16 20:24 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 20:24 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 20:24 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 20:24 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 20:24 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 20:24 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 20:24 | 106-46-7 | |
| cis-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 20:24 | 1476-11-5 | |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 20:24 | 110-57-6 | L3 |
| Dichlorodifluoromethane | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 20:24 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 20:24 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 20:24 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 5.0 | 4.4 | 1 | | 08/08/16 20:24 | 540-59-0 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-2** **Lab ID: 92307801007** Collected: 08/03/16 10:40 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| 1,1-Dichloroethene | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 20:24 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 20:24 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 20:24 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 20:24 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 20:24 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 20:24 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 20:24 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 20:24 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 20:24 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 20:24 | 60-29-7 | |
| Diisopropyl ether | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 20:24 | 108-20-3 | |
| 1,4-Dioxane (p-Dioxane) | ND | ug/L | 150 | 91.9 | 1 | | 08/08/16 20:24 | 123-91-1 | |
| Ethanol | ND | ug/L | 200 | 131 | 1 | | 08/08/16 20:24 | 64-17-5 | |
| Ethyl acetate | ND | ug/L | 100 | 3.8 | 1 | | 08/08/16 20:24 | 141-78-6 | |
| Ethylbenzene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 20:24 | 100-41-4 | |
| Ethyl methacrylate | ND | ug/L | 5.0 | 2.4 | 1 | | 08/08/16 20:24 | 97-63-2 | |
| Ethyl-tert-butyl ether | ND | ug/L | 10.0 | 3.6 | 1 | | 08/08/16 20:24 | 637-92-3 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 20:24 | 87-68-3 | |
| n-Hexane | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 20:24 | 110-54-3 | |
| 2-Hexanone | ND | ug/L | 10.0 | 3.8 | 1 | | 08/08/16 20:24 | 591-78-6 | |
| Iodomethane | ND | ug/L | 10.0 | 3.1 | 1 | | 08/08/16 20:24 | 74-88-4 | |
| Isobutanol | ND | ug/L | 100 | 55.1 | 1 | | 08/08/16 20:24 | 78-83-1 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 20:24 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 20:24 | 99-87-6 | |
| Methacrylonitrile | ND | ug/L | 50.0 | 20.4 | 1 | | 08/08/16 20:24 | 126-98-7 | |
| Methyl acetate | ND | ug/L | 10.0 | 1.9 | 1 | | 08/08/16 20:24 | 79-20-9 | |
| Methylcyclohexane | ND | ug/L | 10.0 | 2.7 | 1 | | 08/08/16 20:24 | 108-87-2 | |
| Methylene Chloride | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 20:24 | 75-09-2 | |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 20:24 | 80-62-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 3.6 | 1 | | 08/08/16 20:24 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 20:24 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 20:24 | 91-20-3 | |
| Pentachloroethane | ND | ug/L | 5.0 | 5.0 | 1 | | 08/08/16 20:24 | 76-01-7 | |
| Propionitrile | ND | ug/L | 50.0 | 21.0 | 1 | | 08/08/16 20:24 | 107-12-0 | |
| n-Propylbenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 20:24 | 103-65-1 | |
| Styrene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 20:24 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 20:24 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 20:24 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 20:24 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 50.0 | 20.1 | 1 | | 08/08/16 20:24 | 109-99-9 | |
| Toluene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 20:24 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 20:24 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 20:24 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 20:24 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 20:24 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 20:24 | 79-01-6 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-2** **Lab ID: 92307801007** Collected: 08/03/16 10:40 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Trichlorofluoromethane | ND | ug/L | 10.0 | 1.7 | 1 | | 08/08/16 20:24 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 20:24 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 5.0 | 2.2 | 1 | | 08/08/16 20:24 | 76-13-1 | |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 20:24 | 526-73-8 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 20:24 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5.0 | 1.3 | 1 | | 08/08/16 20:24 | 108-67-8 | |
| Vinyl acetate | ND | ug/L | 10.0 | 2.3 | 1 | | 08/08/16 20:24 | 108-05-4 | |
| Vinyl chloride | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 20:24 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 10.0 | 2.7 | 1 | | 08/08/16 20:24 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 10.0 | 3.1 | 1 | | 08/08/16 20:24 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 20:24 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 103 | % | 70-130 | | 1 | | 08/08/16 20:24 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 97 | % | 70-130 | | 1 | | 08/08/16 20:24 | 17060-07-0 | |
| Toluene-d8 (S) | 102 | % | 70-130 | | 1 | | 08/08/16 20:24 | 2037-26-5 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-3** **Lab ID: 92307801008** Collected: 08/03/16 09:50 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | ND | ug/L | 25.0 | 10.0 | 1 | | 08/08/16 18:26 | 67-64-1 | |
| Acetonitrile | ND | ug/L | 50.0 | 15.0 | 1 | | 08/08/16 18:26 | 75-05-8 | |
| Acrolein | ND | ug/L | 100 | 8.8 | 1 | | 08/08/16 18:26 | 107-02-8 | |
| Acrylonitrile | ND | ug/L | 100 | 11.5 | 1 | | 08/08/16 18:26 | 107-13-1 | |
| Allyl chloride | ND | ug/L | 50.0 | 2.1 | 1 | | 08/08/16 18:26 | 107-05-1 | |
| tert-Amyl Alcohol | ND | ug/L | 100 | 76.8 | 1 | | 08/08/16 18:26 | 75-85-4 | |
| tert-Amylmethyl ether | ND | ug/L | 10.0 | 3.4 | 1 | | 08/08/16 18:26 | 994-05-8 | |
| Benzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:26 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:26 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 5.0 | 2.2 | 1 | | 08/08/16 18:26 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:26 | 75-27-4 | |
| Bromoform | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:26 | 75-25-2 | |
| Bromomethane | ND | ug/L | 10.0 | 2.5 | 1 | | 08/08/16 18:26 | 74-83-9 | |
| TOTAL BTEX | ND | ug/L | 5.0 | 5.0 | 1 | | 08/08/16 18:26 | | |
| 3,3-Dimethyl-1-Butanol | ND | ug/L | 100 | 32.1 | 1 | | 08/08/16 18:26 | 624-95-3 | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 4.9 | 1 | | 08/08/16 18:26 | 78-93-3 | |
| tert-Butyl Alcohol | ND | ug/L | 100 | 57.7 | 1 | | 08/08/16 18:26 | 75-65-0 | |
| n-Butylbenzene | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:26 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:26 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:26 | 98-06-6 | |
| tert-Butyl Formate | ND | ug/L | 50.0 | 7.3 | 1 | | 08/08/16 18:26 | 762-75-4 | |
| Carbon disulfide | ND | ug/L | 10.0 | 1.7 | 1 | | 08/08/16 18:26 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:26 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:26 | 108-90-7 | |
| Chloroethane | ND | ug/L | 10.0 | 1.6 | 1 | | 08/08/16 18:26 | 75-00-3 | |
| 2-Chloroethylvinyl ether | ND | ug/L | 10.0 | 2.2 | 1 | | 08/08/16 18:26 | 110-75-8 | c2 |
| Chloroform | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:26 | 67-66-3 | |
| Chloromethane | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:26 | 74-87-3 | |
| Chloroprene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:26 | 126-99-8 | |
| 2-Chlorotoluene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:26 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:26 | 106-43-4 | |
| Cyclohexane | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 18:26 | 110-82-7 | |
| Cyclohexanone | ND | ug/L | 250 | 10.8 | 1 | | 08/08/16 18:26 | 108-94-1 | L3 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 2.0 | 1.7 | 1 | | 08/08/16 18:26 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:26 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:26 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 18:26 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:26 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:26 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:26 | 106-46-7 | |
| cis-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:26 | 1476-11-5 | |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 18:26 | 110-57-6 | L3 |
| Dichlorodifluoromethane | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:26 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:26 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:26 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 5.0 | 4.4 | 1 | | 08/08/16 18:26 | 540-59-0 | |



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# ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-3** **Lab ID: 92307801008** Collected: 08/03/16 09:50 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| 1,1-Dichloroethene | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:26 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:26 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:26 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:26 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:26 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:26 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:26 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:26 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:26 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:26 | 60-29-7 | |
| Diisopropyl ether | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:26 | 108-20-3 | |
| 1,4-Dioxane (p-Dioxane) | ND | ug/L | 150 | 91.9 | 1 | | 08/08/16 18:26 | 123-91-1 | |
| Ethanol | ND | ug/L | 200 | 131 | 1 | | 08/08/16 18:26 | 64-17-5 | |
| Ethyl acetate | ND | ug/L | 100 | 3.8 | 1 | | 08/08/16 18:26 | 141-78-6 | |
| Ethylbenzene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:26 | 100-41-4 | |
| Ethyl methacrylate | ND | ug/L | 5.0 | 2.4 | 1 | | 08/08/16 18:26 | 97-63-2 | |
| Ethyl-tert-butyl ether | ND | ug/L | 10.0 | 3.6 | 1 | | 08/08/16 18:26 | 637-92-3 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:26 | 87-68-3 | |
| n-Hexane | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:26 | 110-54-3 | |
| 2-Hexanone | ND | ug/L | 10.0 | 3.8 | 1 | | 08/08/16 18:26 | 591-78-6 | |
| Iodomethane | ND | ug/L | 10.0 | 3.1 | 1 | | 08/08/16 18:26 | 74-88-4 | |
| Isobutanol | ND | ug/L | 100 | 55.1 | 1 | | 08/08/16 18:26 | 78-83-1 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:26 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:26 | 99-87-6 | |
| Methacrylonitrile | ND | ug/L | 50.0 | 20.4 | 1 | | 08/08/16 18:26 | 126-98-7 | |
| Methyl acetate | ND | ug/L | 10.0 | 1.9 | 1 | | 08/08/16 18:26 | 79-20-9 | |
| Methylcyclohexane | ND | ug/L | 10.0 | 2.7 | 1 | | 08/08/16 18:26 | 108-87-2 | |
| Methylene Chloride | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:26 | 75-09-2 | |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:26 | 80-62-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 3.6 | 1 | | 08/08/16 18:26 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:26 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 18:26 | 91-20-3 | |
| Pentachloroethane | ND | ug/L | 5.0 | 5.0 | 1 | | 08/08/16 18:26 | 76-01-7 | |
| Propionitrile | ND | ug/L | 50.0 | 21.0 | 1 | | 08/08/16 18:26 | 107-12-0 | |
| n-Propylbenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:26 | 103-65-1 | |
| Styrene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:26 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:26 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:26 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:26 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 50.0 | 20.1 | 1 | | 08/08/16 18:26 | 109-99-9 | |
| Toluene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:26 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 18:26 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:26 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:26 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:26 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:26 | 79-01-6 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-3** **Lab ID: 92307801008** Collected: 08/03/16 09:50 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Trichlorofluoromethane | ND | ug/L | 10.0 | 1.7 | 1 | | 08/08/16 18:26 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:26 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 5.0 | 2.2 | 1 | | 08/08/16 18:26 | 76-13-1 | |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:26 | 526-73-8 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:26 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5.0 | 1.3 | 1 | | 08/08/16 18:26 | 108-67-8 | |
| Vinyl acetate | ND | ug/L | 10.0 | 2.3 | 1 | | 08/08/16 18:26 | 108-05-4 | |
| Vinyl chloride | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:26 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 10.0 | 2.7 | 1 | | 08/08/16 18:26 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 10.0 | 3.1 | 1 | | 08/08/16 18:26 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:26 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 101 | % | 70-130 | | 1 | | 08/08/16 18:26 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 98 | % | 70-130 | | 1 | | 08/08/16 18:26 | 17060-07-0 | |
| Toluene-d8 (S) | 103 | % | 70-130 | | 1 | | 08/08/16 18:26 | 2037-26-5 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-4** **Lab ID: 92307801009** Collected: 08/03/16 10:30 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | ND | ug/L | 25.0 | 10.0 | 1 | | 08/08/16 19:50 | 67-64-1 | |
| Acetonitrile | ND | ug/L | 50.0 | 15.0 | 1 | | 08/08/16 19:50 | 75-05-8 | |
| Acrolein | ND | ug/L | 100 | 8.8 | 1 | | 08/08/16 19:50 | 107-02-8 | |
| Acrylonitrile | ND | ug/L | 100 | 11.5 | 1 | | 08/08/16 19:50 | 107-13-1 | |
| Allyl chloride | ND | ug/L | 50.0 | 2.1 | 1 | | 08/08/16 19:50 | 107-05-1 | |
| tert-Amyl Alcohol | ND | ug/L | 100 | 76.8 | 1 | | 08/08/16 19:50 | 75-85-4 | |
| tert-Amylmethyl ether | ND | ug/L | 10.0 | 3.4 | 1 | | 08/08/16 19:50 | 994-05-8 | |
| Benzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:50 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:50 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 5.0 | 2.2 | 1 | | 08/08/16 19:50 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:50 | 75-27-4 | |
| Bromoform | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:50 | 75-25-2 | |
| Bromomethane | ND | ug/L | 10.0 | 2.5 | 1 | | 08/08/16 19:50 | 74-83-9 | |
| TOTAL BTEX | ND | ug/L | 5.0 | 5.0 | 1 | | 08/08/16 19:50 | | |
| 3,3-Dimethyl-1-Butanol | ND | ug/L | 100 | 32.1 | 1 | | 08/08/16 19:50 | 624-95-3 | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 4.9 | 1 | | 08/08/16 19:50 | 78-93-3 | |
| tert-Butyl Alcohol | ND | ug/L | 100 | 57.7 | 1 | | 08/08/16 19:50 | 75-65-0 | |
| n-Butylbenzene | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 19:50 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:50 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:50 | 98-06-6 | |
| tert-Butyl Formate | ND | ug/L | 50.0 | 7.3 | 1 | | 08/08/16 19:50 | 762-75-4 | |
| Carbon disulfide | ND | ug/L | 10.0 | 1.7 | 1 | | 08/08/16 19:50 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 19:50 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:50 | 108-90-7 | |
| Chloroethane | ND | ug/L | 10.0 | 1.6 | 1 | | 08/08/16 19:50 | 75-00-3 | |
| 2-Chloroethylvinyl ether | ND | ug/L | 10.0 | 2.2 | 1 | | 08/08/16 19:50 | 110-75-8 | c2 |
| Chloroform | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 19:50 | 67-66-3 | |
| Chloromethane | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:50 | 74-87-3 | |
| Chloroprene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:50 | 126-99-8 | |
| 2-Chlorotoluene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:50 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:50 | 106-43-4 | |
| Cyclohexane | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 19:50 | 110-82-7 | |
| Cyclohexanone | ND | ug/L | 250 | 10.8 | 1 | | 08/08/16 19:50 | 108-94-1 | L3 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 2.0 | 1.7 | 1 | | 08/08/16 19:50 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 19:50 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:50 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 19:50 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:50 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:50 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:50 | 106-46-7 | |
| cis-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:50 | 1476-11-5 | |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 19:50 | 110-57-6 | L3 |
| Dichlorodifluoromethane | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:50 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 19:50 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 19:50 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 5.0 | 4.4 | 1 | | 08/08/16 19:50 | 540-59-0 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-4** **Lab ID: 92307801009** Collected: 08/03/16 10:30 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| 1,1-Dichloroethene | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 19:50 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 19:50 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 19:50 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:50 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:50 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:50 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:50 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:50 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:50 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 19:50 | 60-29-7 | |
| Diisopropyl ether | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:50 | 108-20-3 | |
| 1,4-Dioxane (p-Dioxane) | ND | ug/L | 150 | 91.9 | 1 | | 08/08/16 19:50 | 123-91-1 | |
| Ethanol | ND | ug/L | 200 | 131 | 1 | | 08/08/16 19:50 | 64-17-5 | |
| Ethyl acetate | ND | ug/L | 100 | 3.8 | 1 | | 08/08/16 19:50 | 141-78-6 | |
| Ethylbenzene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:50 | 100-41-4 | |
| Ethyl methacrylate | ND | ug/L | 5.0 | 2.4 | 1 | | 08/08/16 19:50 | 97-63-2 | |
| Ethyl-tert-butyl ether | ND | ug/L | 10.0 | 3.6 | 1 | | 08/08/16 19:50 | 637-92-3 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 19:50 | 87-68-3 | |
| n-Hexane | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 19:50 | 110-54-3 | |
| 2-Hexanone | ND | ug/L | 10.0 | 3.8 | 1 | | 08/08/16 19:50 | 591-78-6 | |
| Iodomethane | ND | ug/L | 10.0 | 3.1 | 1 | | 08/08/16 19:50 | 74-88-4 | |
| Isobutanol | ND | ug/L | 100 | 55.1 | 1 | | 08/08/16 19:50 | 78-83-1 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:50 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:50 | 99-87-6 | |
| Methacrylonitrile | ND | ug/L | 50.0 | 20.4 | 1 | | 08/08/16 19:50 | 126-98-7 | |
| Methyl acetate | ND | ug/L | 10.0 | 1.9 | 1 | | 08/08/16 19:50 | 79-20-9 | |
| Methylcyclohexane | ND | ug/L | 10.0 | 2.7 | 1 | | 08/08/16 19:50 | 108-87-2 | |
| Methylene Chloride | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 19:50 | 75-09-2 | |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:50 | 80-62-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 3.6 | 1 | | 08/08/16 19:50 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:50 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 19:50 | 91-20-3 | |
| Pentachloroethane | ND | ug/L | 5.0 | 5.0 | 1 | | 08/08/16 19:50 | 76-01-7 | |
| Propionitrile | ND | ug/L | 50.0 | 21.0 | 1 | | 08/08/16 19:50 | 107-12-0 | |
| n-Propylbenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:50 | 103-65-1 | |
| Styrene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:50 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:50 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:50 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 19:50 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 50.0 | 20.1 | 1 | | 08/08/16 19:50 | 109-99-9 | |
| Toluene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:50 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 19:50 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:50 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 19:50 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:50 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 19:50 | 79-01-6 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-4** **Lab ID: 92307801009** Collected: 08/03/16 10:30 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Trichlorofluoromethane | ND | ug/L | 10.0 | 1.7 | 1 | | 08/08/16 19:50 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:50 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 5.0 | 2.2 | 1 | | 08/08/16 19:50 | 76-13-1 | |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:50 | 526-73-8 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:50 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5.0 | 1.3 | 1 | | 08/08/16 19:50 | 108-67-8 | |
| Vinyl acetate | ND | ug/L | 10.0 | 2.3 | 1 | | 08/08/16 19:50 | 108-05-4 | |
| Vinyl chloride | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:50 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 10.0 | 2.7 | 1 | | 08/08/16 19:50 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 10.0 | 3.1 | 1 | | 08/08/16 19:50 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:50 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 102 | % | 70-130 | | 1 | | 08/08/16 19:50 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 96 | % | 70-130 | | 1 | | 08/08/16 19:50 | 17060-07-0 | |
| Toluene-d8 (S) | 102 | % | 70-130 | | 1 | | 08/08/16 19:50 | 2037-26-5 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-5** **Lab ID: 92307801010** Collected: 08/03/16 10:10 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | ND | ug/L | 25.0 | 10.0 | 1 | | 08/08/16 18:43 | 67-64-1 | |
| Acetonitrile | ND | ug/L | 50.0 | 15.0 | 1 | | 08/08/16 18:43 | 75-05-8 | |
| Acrolein | ND | ug/L | 100 | 8.8 | 1 | | 08/08/16 18:43 | 107-02-8 | M1 |
| Acrylonitrile | ND | ug/L | 100 | 11.5 | 1 | | 08/08/16 18:43 | 107-13-1 | |
| Allyl chloride | ND | ug/L | 50.0 | 2.1 | 1 | | 08/08/16 18:43 | 107-05-1 | |
| tert-Amyl Alcohol | ND | ug/L | 100 | 76.8 | 1 | | 08/08/16 18:43 | 75-85-4 | |
| tert-Amylmethyl ether | ND | ug/L | 10.0 | 3.4 | 1 | | 08/08/16 18:43 | 994-05-8 | |
| Benzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:43 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:43 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 5.0 | 2.2 | 1 | | 08/08/16 18:43 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:43 | 75-27-4 | |
| Bromoform | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:43 | 75-25-2 | |
| Bromomethane | ND | ug/L | 10.0 | 2.5 | 1 | | 08/08/16 18:43 | 74-83-9 | |
| TOTAL BTEX | ND | ug/L | 5.0 | 5.0 | 1 | | 08/08/16 18:43 | | |
| 3,3-Dimethyl-1-Butanol | ND | ug/L | 100 | 32.1 | 1 | | 08/08/16 18:43 | 624-95-3 | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 4.9 | 1 | | 08/08/16 18:43 | 78-93-3 | |
| tert-Butyl Alcohol | ND | ug/L | 100 | 57.7 | 1 | | 08/08/16 18:43 | 75-65-0 | |
| n-Butylbenzene | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:43 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:43 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:43 | 98-06-6 | |
| tert-Butyl Formate | ND | ug/L | 50.0 | 7.3 | 1 | | 08/08/16 18:43 | 762-75-4 | P5 |
| Carbon disulfide | ND | ug/L | 10.0 | 1.7 | 1 | | 08/08/16 18:43 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:43 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:43 | 108-90-7 | |
| Chloroethane | ND | ug/L | 10.0 | 1.6 | 1 | | 08/08/16 18:43 | 75-00-3 | |
| 2-Chloroethylvinyl ether | ND | ug/L | 10.0 | 2.2 | 1 | | 08/08/16 18:43 | 110-75-8 | M1,c2 |
| Chloroform | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:43 | 67-66-3 | |
| Chloromethane | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:43 | 74-87-3 | |
| Chloroprene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:43 | 126-99-8 | |
| 2-Chlorotoluene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:43 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:43 | 106-43-4 | |
| Cyclohexane | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 18:43 | 110-82-7 | |
| Cyclohexanone | ND | ug/L | 250 | 10.8 | 1 | | 08/08/16 18:43 | 108-94-1 | L3 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 2.0 | 1.7 | 1 | | 08/08/16 18:43 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:43 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:43 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 18:43 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:43 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:43 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:43 | 106-46-7 | |
| cis-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:43 | 1476-11-5 | |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 18:43 | 110-57-6 | L3 |
| Dichlorodifluoromethane | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:43 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:43 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:43 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 5.0 | 4.4 | 1 | | 08/08/16 18:43 | 540-59-0 | |



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# ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-5** **Lab ID: 92307801010** Collected: 08/03/16 10:10 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| 1,1-Dichloroethene | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:43 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:43 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:43 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:43 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:43 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:43 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:43 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:43 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:43 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:43 | 60-29-7 | |
| Diisopropyl ether | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:43 | 108-20-3 | |
| 1,4-Dioxane (p-Dioxane) | ND | ug/L | 150 | 91.9 | 1 | | 08/08/16 18:43 | 123-91-1 | M1 |
| Ethanol | ND | ug/L | 200 | 131 | 1 | | 08/08/16 18:43 | 64-17-5 | M1 |
| Ethyl acetate | ND | ug/L | 100 | 3.8 | 1 | | 08/08/16 18:43 | 141-78-6 | M1 |
| Ethylbenzene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:43 | 100-41-4 | |
| Ethyl methacrylate | ND | ug/L | 5.0 | 2.4 | 1 | | 08/08/16 18:43 | 97-63-2 | |
| Ethyl-tert-butyl ether | ND | ug/L | 10.0 | 3.6 | 1 | | 08/08/16 18:43 | 637-92-3 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:43 | 87-68-3 | |
| n-Hexane | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:43 | 110-54-3 | |
| 2-Hexanone | ND | ug/L | 10.0 | 3.8 | 1 | | 08/08/16 18:43 | 591-78-6 | |
| Iodomethane | ND | ug/L | 10.0 | 3.1 | 1 | | 08/08/16 18:43 | 74-88-4 | |
| Isobutanol | ND | ug/L | 100 | 55.1 | 1 | | 08/08/16 18:43 | 78-83-1 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:43 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:43 | 99-87-6 | |
| Methacrylonitrile | ND | ug/L | 50.0 | 20.4 | 1 | | 08/08/16 18:43 | 126-98-7 | |
| Methyl acetate | ND | ug/L | 10.0 | 1.9 | 1 | | 08/08/16 18:43 | 79-20-9 | |
| Methylcyclohexane | ND | ug/L | 10.0 | 2.7 | 1 | | 08/08/16 18:43 | 108-87-2 | |
| Methylene Chloride | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:43 | 75-09-2 | |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:43 | 80-62-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 3.6 | 1 | | 08/08/16 18:43 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:43 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 18:43 | 91-20-3 | |
| Pentachloroethane | ND | ug/L | 5.0 | 5.0 | 1 | | 08/08/16 18:43 | 76-01-7 | |
| Propionitrile | ND | ug/L | 50.0 | 21.0 | 1 | | 08/08/16 18:43 | 107-12-0 | |
| n-Propylbenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:43 | 103-65-1 | |
| Styrene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:43 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:43 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:43 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:43 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 50.0 | 20.1 | 1 | | 08/08/16 18:43 | 109-99-9 | |
| Toluene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:43 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 18:43 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:43 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 18:43 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:43 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 18:43 | 79-01-6 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-5** **Lab ID: 92307801010** Collected: 08/03/16 10:10 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Trichlorofluoromethane | ND | ug/L | 10.0 | 1.7 | 1 | | 08/08/16 18:43 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:43 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 5.0 | 2.2 | 1 | | 08/08/16 18:43 | 76-13-1 | |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 18:43 | 526-73-8 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:43 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5.0 | 1.3 | 1 | | 08/08/16 18:43 | 108-67-8 | |
| Vinyl acetate | ND | ug/L | 10.0 | 2.3 | 1 | | 08/08/16 18:43 | 108-05-4 | |
| Vinyl chloride | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 18:43 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 10.0 | 2.7 | 1 | | 08/08/16 18:43 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 10.0 | 3.1 | 1 | | 08/08/16 18:43 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 18:43 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 100 | % | 70-130 | | 1 | | 08/08/16 18:43 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 96 | % | 70-130 | | 1 | | 08/08/16 18:43 | 17060-07-0 | |
| Toluene-d8 (S) | 103 | % | 70-130 | | 1 | | 08/08/16 18:43 | 2037-26-5 | |



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# ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-6** **Lab ID: 92307801011** Collected: 08/03/16 11:30 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | ND | ug/L | 25.0 | 10.0 | 1 | | 08/08/16 19:00 | 67-64-1 | |
| Acetonitrile | ND | ug/L | 50.0 | 15.0 | 1 | | 08/08/16 19:00 | 75-05-8 | |
| Acrolein | ND | ug/L | 100 | 8.8 | 1 | | 08/08/16 19:00 | 107-02-8 | |
| Acrylonitrile | ND | ug/L | 100 | 11.5 | 1 | | 08/08/16 19:00 | 107-13-1 | |
| Allyl chloride | ND | ug/L | 50.0 | 2.1 | 1 | | 08/08/16 19:00 | 107-05-1 | |
| tert-Amyl Alcohol | ND | ug/L | 100 | 76.8 | 1 | | 08/08/16 19:00 | 75-85-4 | |
| tert-Amylmethyl ether | ND | ug/L | 10.0 | 3.4 | 1 | | 08/08/16 19:00 | 994-05-8 | |
| Benzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:00 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:00 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 5.0 | 2.2 | 1 | | 08/08/16 19:00 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:00 | 75-27-4 | |
| Bromoform | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:00 | 75-25-2 | |
| Bromomethane | ND | ug/L | 10.0 | 2.5 | 1 | | 08/08/16 19:00 | 74-83-9 | |
| TOTAL BTEX | ND | ug/L | 5.0 | 5.0 | 1 | | 08/08/16 19:00 | | |
| 3,3-Dimethyl-1-Butanol | ND | ug/L | 100 | 32.1 | 1 | | 08/08/16 19:00 | 624-95-3 | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 4.9 | 1 | | 08/08/16 19:00 | 78-93-3 | |
| tert-Butyl Alcohol | ND | ug/L | 100 | 57.7 | 1 | | 08/08/16 19:00 | 75-65-0 | |
| n-Butylbenzene | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 19:00 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:00 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:00 | 98-06-6 | |
| tert-Butyl Formate | ND | ug/L | 50.0 | 7.3 | 1 | | 08/08/16 19:00 | 762-75-4 | |
| Carbon disulfide | ND | ug/L | 10.0 | 1.7 | 1 | | 08/08/16 19:00 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 19:00 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:00 | 108-90-7 | |
| Chloroethane | ND | ug/L | 10.0 | 1.6 | 1 | | 08/08/16 19:00 | 75-00-3 | |
| 2-Chloroethylvinyl ether | ND | ug/L | 10.0 | 2.2 | 1 | | 08/08/16 19:00 | 110-75-8 | c2 |
| Chloroform | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 19:00 | 67-66-3 | |
| Chloromethane | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:00 | 74-87-3 | |
| Chloroprene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:00 | 126-99-8 | |
| 2-Chlorotoluene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:00 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:00 | 106-43-4 | |
| Cyclohexane | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 19:00 | 110-82-7 | |
| Cyclohexanone | ND | ug/L | 250 | 10.8 | 1 | | 08/08/16 19:00 | 108-94-1 | L3 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 2.0 | 1.7 | 1 | | 08/08/16 19:00 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 19:00 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:00 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 19:00 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:00 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:00 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:00 | 106-46-7 | |
| cis-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:00 | 1476-11-5 | |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 19:00 | 110-57-6 | L3 |
| Dichlorodifluoromethane | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:00 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 19:00 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 19:00 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 5.0 | 4.4 | 1 | | 08/08/16 19:00 | 540-59-0 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-6** **Lab ID: 92307801011** Collected: 08/03/16 11:30 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| 1,1-Dichloroethene | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 19:00 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 19:00 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 19:00 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:00 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:00 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:00 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:00 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:00 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:00 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 19:00 | 60-29-7 | |
| Diisopropyl ether | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:00 | 108-20-3 | |
| 1,4-Dioxane (p-Dioxane) | ND | ug/L | 150 | 91.9 | 1 | | 08/08/16 19:00 | 123-91-1 | |
| Ethanol | ND | ug/L | 200 | 131 | 1 | | 08/08/16 19:00 | 64-17-5 | |
| Ethyl acetate | ND | ug/L | 100 | 3.8 | 1 | | 08/08/16 19:00 | 141-78-6 | |
| Ethylbenzene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:00 | 100-41-4 | |
| Ethyl methacrylate | ND | ug/L | 5.0 | 2.4 | 1 | | 08/08/16 19:00 | 97-63-2 | |
| Ethyl-tert-butyl ether | ND | ug/L | 10.0 | 3.6 | 1 | | 08/08/16 19:00 | 637-92-3 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 19:00 | 87-68-3 | |
| n-Hexane | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 19:00 | 110-54-3 | |
| 2-Hexanone | ND | ug/L | 10.0 | 3.8 | 1 | | 08/08/16 19:00 | 591-78-6 | |
| Iodomethane | ND | ug/L | 10.0 | 3.1 | 1 | | 08/08/16 19:00 | 74-88-4 | |
| Isobutanol | ND | ug/L | 100 | 55.1 | 1 | | 08/08/16 19:00 | 78-83-1 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:00 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:00 | 99-87-6 | |
| Methacrylonitrile | ND | ug/L | 50.0 | 20.4 | 1 | | 08/08/16 19:00 | 126-98-7 | |
| Methyl acetate | ND | ug/L | 10.0 | 1.9 | 1 | | 08/08/16 19:00 | 79-20-9 | |
| Methylcyclohexane | ND | ug/L | 10.0 | 2.7 | 1 | | 08/08/16 19:00 | 108-87-2 | |
| Methylene Chloride | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 19:00 | 75-09-2 | |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:00 | 80-62-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 3.6 | 1 | | 08/08/16 19:00 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:00 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 19:00 | 91-20-3 | |
| Pentachloroethane | ND | ug/L | 5.0 | 5.0 | 1 | | 08/08/16 19:00 | 76-01-7 | |
| Propionitrile | ND | ug/L | 50.0 | 21.0 | 1 | | 08/08/16 19:00 | 107-12-0 | |
| n-Propylbenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:00 | 103-65-1 | |
| Styrene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:00 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:00 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:00 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 19:00 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 50.0 | 20.1 | 1 | | 08/08/16 19:00 | 109-99-9 | |
| Toluene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:00 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 5.0 | 2.0 | 1 | | 08/08/16 19:00 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:00 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 5.0 | 1.9 | 1 | | 08/08/16 19:00 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:00 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 5.0 | 1.8 | 1 | | 08/08/16 19:00 | 79-01-6 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-6** **Lab ID: 92307801011** Collected: 08/03/16 11:30 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Trichlorofluoromethane | ND | ug/L | 10.0 | 1.7 | 1 | | 08/08/16 19:00 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:00 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 5.0 | 2.2 | 1 | | 08/08/16 19:00 | 76-13-1 | |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5.0 | 1.7 | 1 | | 08/08/16 19:00 | 526-73-8 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:00 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5.0 | 1.3 | 1 | | 08/08/16 19:00 | 108-67-8 | |
| Vinyl acetate | ND | ug/L | 10.0 | 2.3 | 1 | | 08/08/16 19:00 | 108-05-4 | |
| Vinyl chloride | ND | ug/L | 5.0 | 1.5 | 1 | | 08/08/16 19:00 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 10.0 | 2.7 | 1 | | 08/08/16 19:00 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 10.0 | 3.1 | 1 | | 08/08/16 19:00 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 5.0 | 1.6 | 1 | | 08/08/16 19:00 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 100 | % | 70-130 | | 1 | | 08/08/16 19:00 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 96 | % | 70-130 | | 1 | | 08/08/16 19:00 | 17060-07-0 | |
| Toluene-d8 (S) | 102 | % | 70-130 | | 1 | | 08/08/16 19:00 | 2037-26-5 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-7** **Lab ID: 92307801012** Collected: 08/03/16 11:45 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | ND | ug/L | 250 | 100 | 10 | | 08/09/16 19:02 | 67-64-1 | |
| Acetonitrile | ND | ug/L | 500 | 150 | 10 | | 08/09/16 19:02 | 75-05-8 | |
| Acrolein | ND | ug/L | 1000 | 88.0 | 10 | | 08/09/16 19:02 | 107-02-8 | L3 |
| Acrylonitrile | ND | ug/L | 1000 | 115 | 10 | | 08/09/16 19:02 | 107-13-1 | |
| Allyl chloride | ND | ug/L | 500 | 21.0 | 10 | | 08/09/16 19:02 | 107-05-1 | |
| tert-Amyl Alcohol | ND | ug/L | 1000 | 768 | 10 | | 08/09/16 19:02 | 75-85-4 | |
| tert-Amylmethyl ether | ND | ug/L | 100 | 34.0 | 10 | | 08/09/16 19:02 | 994-05-8 | |
| Benzene | ND | ug/L | 50.0 | 17.0 | 10 | | 08/09/16 19:02 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 50.0 | 15.0 | 10 | | 08/09/16 19:02 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 50.0 | 22.0 | 10 | | 08/09/16 19:02 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 50.0 | 17.0 | 10 | | 08/09/16 19:02 | 75-27-4 | |
| Bromoform | ND | ug/L | 50.0 | 15.0 | 10 | | 08/09/16 19:02 | 75-25-2 | |
| Bromomethane | ND | ug/L | 100 | 25.0 | 10 | | 08/09/16 19:02 | 74-83-9 | |
| TOTAL BTEX | **6550** | ug/L | 50.0 | 50.0 | 10 | | 08/09/16 19:02 | | |
| 3,3-Dimethyl-1-Butanol | ND | ug/L | 1000 | 321 | 10 | | 08/09/16 19:02 | 624-95-3 | |
| 2-Butanone (MEK) | ND | ug/L | 100 | 48.8 | 10 | | 08/09/16 19:02 | 78-93-3 | |
| tert-Butyl Alcohol | ND | ug/L | 1000 | 577 | 10 | | 08/09/16 19:02 | 75-65-0 | |
| n-Butylbenzene | ND | ug/L | 50.0 | 19.0 | 10 | | 08/09/16 19:02 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 50.0 | 17.0 | 10 | | 08/09/16 19:02 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 50.0 | 16.0 | 10 | | 08/09/16 19:02 | 98-06-6 | |
| tert-Butyl Formate | ND | ug/L | 500 | 73.0 | 10 | | 08/09/16 19:02 | 762-75-4 | |
| Carbon disulfide | ND | ug/L | 100 | 17.0 | 10 | | 08/09/16 19:02 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 50.0 | 19.0 | 10 | | 08/09/16 19:02 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 50.0 | 17.0 | 10 | | 08/09/16 19:02 | 108-90-7 | |
| Chloroethane | ND | ug/L | 100 | 16.0 | 10 | | 08/09/16 19:02 | 75-00-3 | |
| 2-Chloroethylvinyl ether | ND | ug/L | 100 | 22.0 | 10 | | 08/09/16 19:02 | 110-75-8 | c2 |
| Chloroform | ND | ug/L | 50.0 | 19.0 | 10 | | 08/09/16 19:02 | 67-66-3 | |
| Chloromethane | ND | ug/L | 50.0 | 15.0 | 10 | | 08/09/16 19:02 | 74-87-3 | |
| Chloroprene | ND | ug/L | 50.0 | 17.0 | 10 | | 08/09/16 19:02 | 126-99-8 | |
| 2-Chlorotoluene | ND | ug/L | 50.0 | 15.0 | 10 | | 08/09/16 19:02 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 50.0 | 16.0 | 10 | | 08/09/16 19:02 | 106-43-4 | |
| Cyclohexane | **65.5** | ug/L | 50.0 | 20.0 | 10 | | 08/09/16 19:02 | 110-82-7 | |
| Cyclohexanone | ND | ug/L | 2500 | 108 | 10 | | 08/09/16 19:02 | 108-94-1 | L3 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 20.0 | 17.0 | 10 | | 08/09/16 19:02 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 50.0 | 18.0 | 10 | | 08/09/16 19:02 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 50.0 | 17.0 | 10 | | 08/09/16 19:02 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 50.0 | 20.0 | 10 | | 08/09/16 19:02 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 50.0 | 15.0 | 10 | | 08/09/16 19:02 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 50.0 | 15.0 | 10 | | 08/09/16 19:02 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 50.0 | 15.0 | 10 | | 08/09/16 19:02 | 106-46-7 | |
| cis-1,4-Dichloro-2-butene | ND | ug/L | 50.0 | 16.0 | 10 | | 08/09/16 19:02 | 1476-11-5 | |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 50.0 | 20.0 | 10 | | 08/09/16 19:02 | 110-57-6 | L3 |
| Dichlorodifluoromethane | ND | ug/L | 50.0 | 16.0 | 10 | | 08/09/16 19:02 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 50.0 | 18.0 | 10 | | 08/09/16 19:02 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 50.0 | 18.0 | 10 | | 08/09/16 19:02 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 50.0 | 44.0 | 10 | | 08/09/16 19:02 | 540-59-0 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-7** **Lab ID: 92307801012** Collected: 08/03/16 11:45 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| 1,1-Dichloroethene | ND | ug/L | 50.0 | 19.0 | 10 | | 08/09/16 19:02 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 50.0 | 18.0 | 10 | | 08/09/16 19:02 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 50.0 | 18.0 | 10 | | 08/09/16 19:02 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 50.0 | 17.0 | 10 | | 08/09/16 19:02 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 50.0 | 17.0 | 10 | | 08/09/16 19:02 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 50.0 | 16.0 | 10 | | 08/09/16 19:02 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 50.0 | 17.0 | 10 | | 08/09/16 19:02 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 50.0 | 16.0 | 10 | | 08/09/16 19:02 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 50.0 | 16.0 | 10 | | 08/09/16 19:02 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 50.0 | 19.0 | 10 | | 08/09/16 19:02 | 60-29-7 | |
| Diisopropyl ether | ND | ug/L | 50.0 | 17.0 | 10 | | 08/09/16 19:02 | 108-20-3 | |
| 1,4-Dioxane (p-Dioxane) | ND | ug/L | 1500 | 919 | 10 | | 08/09/16 19:02 | 123-91-1 | |
| Ethanol | ND | ug/L | 2000 | 1310 | 10 | | 08/09/16 19:02 | 64-17-5 | |
| Ethyl acetate | ND | ug/L | 1000 | 38.0 | 10 | | 08/09/16 19:02 | 141-78-6 | |
| Ethylbenzene | **1170** | ug/L | 50.0 | 16.0 | 10 | | 08/09/16 19:02 | 100-41-4 | |
| Ethyl methacrylate | ND | ug/L | 50.0 | 24.0 | 10 | | 08/09/16 19:02 | 97-63-2 | |
| Ethyl-tert-butyl ether | ND | ug/L | 100 | 36.0 | 10 | | 08/09/16 19:02 | 637-92-3 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 50.0 | 18.0 | 10 | | 08/09/16 19:02 | 87-68-3 | |
| n-Hexane | **45.7J** | ug/L | 50.0 | 19.0 | 10 | | 08/09/16 19:02 | 110-54-3 | |
| 2-Hexanone | ND | ug/L | 100 | 38.0 | 10 | | 08/09/16 19:02 | 591-78-6 | |
| Iodomethane | ND | ug/L | 100 | 31.0 | 10 | | 08/09/16 19:02 | 74-88-4 | |
| Isobutanol | ND | ug/L | 1000 | 551 | 10 | | 08/09/16 19:02 | 78-83-1 | |
| Isopropylbenzene (Cumene) | **44.1J** | ug/L | 50.0 | 16.0 | 10 | | 08/09/16 19:02 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 50.0 | 16.0 | 10 | | 08/09/16 19:02 | 99-87-6 | |
| Methacrylonitrile | ND | ug/L | 500 | 204 | 10 | | 08/09/16 19:02 | 126-98-7 | |
| Methyl acetate | ND | ug/L | 100 | 19.0 | 10 | | 08/09/16 19:02 | 79-20-9 | |
| Methylcyclohexane | **72.1J** | ug/L | 100 | 27.0 | 10 | | 08/09/16 19:02 | 108-87-2 | |
| Methylene Chloride | ND | ug/L | 50.0 | 19.0 | 10 | | 08/09/16 19:02 | 75-09-2 | |
| Methyl methacrylate | ND | ug/L | 50.0 | 17.0 | 10 | | 08/09/16 19:02 | 80-62-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 100 | 36.0 | 10 | | 08/09/16 19:02 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 50.0 | 17.0 | 10 | | 08/09/16 19:02 | 1634-04-4 | |
| Naphthalene | **309** | ug/L | 50.0 | 20.0 | 10 | | 08/09/16 19:02 | 91-20-3 | |
| Pentachloroethane | ND | ug/L | 50.0 | 50.0 | 10 | | 08/09/16 19:02 | 76-01-7 | |
| Propionitrile | ND | ug/L | 500 | 210 | 10 | | 08/09/16 19:02 | 107-12-0 | |
| n-Propylbenzene | **83.8** | ug/L | 50.0 | 15.0 | 10 | | 08/09/16 19:02 | 103-65-1 | |
| Styrene | **27.3J** | ug/L | 50.0 | 16.0 | 10 | | 08/09/16 19:02 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 50.0 | 17.0 | 10 | | 08/09/16 19:02 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 50.0 | 15.0 | 10 | | 08/09/16 19:02 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 50.0 | 18.0 | 10 | | 08/09/16 19:02 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 500 | 201 | 10 | | 08/09/16 19:02 | 109-99-9 | |
| Toluene | **933** | ug/L | 50.0 | 16.0 | 10 | | 08/09/16 19:02 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 50.0 | 20.0 | 10 | | 08/09/16 19:02 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 50.0 | 17.0 | 10 | | 08/09/16 19:02 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 50.0 | 19.0 | 10 | | 08/09/16 19:02 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 50.0 | 17.0 | 10 | | 08/09/16 19:02 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 50.0 | 18.0 | 10 | | 08/09/16 19:02 | 79-01-6 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-7** **Lab ID: 92307801012** Collected: 08/03/16 11:45 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Trichlorofluoromethane | ND | ug/L | 100 | 17.0 | 10 | | 08/09/16 19:02 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 50.0 | 15.0 | 10 | | 08/09/16 19:02 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 50.0 | 22.0 | 10 | | 08/09/16 19:02 | 76-13-1 | |
| 1,2,3-Trimethylbenzene | **204** | ug/L | 50.0 | 17.0 | 10 | | 08/09/16 19:02 | 526-73-8 | |
| 1,2,4-Trimethylbenzene | **667** | ug/L | 50.0 | 15.0 | 10 | | 08/09/16 19:02 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 50.0 | 13.0 | 10 | | 08/09/16 19:02 | 108-67-8 | |
| Vinyl acetate | ND | ug/L | 100 | 23.0 | 10 | | 08/09/16 19:02 | 108-05-4 | |
| Vinyl chloride | ND | ug/L | 50.0 | 15.0 | 10 | | 08/09/16 19:02 | 75-01-4 | |
| Xylene (Total) | **4440** | ug/L | 100 | 27.0 | 10 | | 08/09/16 19:02 | 1330-20-7 | |
| m&p-Xylene | **3040** | ug/L | 100 | 31.0 | 10 | | 08/09/16 19:02 | 179601-23-1 | |
| o-Xylene | **1400** | ug/L | 50.0 | 16.0 | 10 | | 08/09/16 19:02 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 100 | % | 70-130 | | 10 | | 08/09/16 19:02 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 94 | % | 70-130 | | 10 | | 08/09/16 19:02 | 17060-07-0 | |
| Toluene-d8 (S) | 104 | % | 70-130 | | 10 | | 08/09/16 19:02 | 2037-26-5 | |



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# ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-8** **Lab ID: 92307801013** Collected: 08/03/16 12:00 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Acetone | ND | ug/L | 3120 | 1250 | 125 | | 08/09/16 01:44 | 67-64-1 | |
| Acetonitrile | ND | ug/L | 6250 | 1880 | 125 | | 08/09/16 01:44 | 75-05-8 | |
| Acrolein | ND | ug/L | 12500 | 1100 | 125 | | 08/09/16 01:44 | 107-02-8 | L3 |
| Acrylonitrile | ND | ug/L | 12500 | 1440 | 125 | | 08/09/16 01:44 | 107-13-1 | |
| Allyl chloride | ND | ug/L | 6250 | 262 | 125 | | 08/09/16 01:44 | 107-05-1 | |
| tert-Amyl Alcohol | ND | ug/L | 12500 | 9600 | 125 | | 08/09/16 01:44 | 75-85-4 | |
| tert-Amylmethyl ether | ND | ug/L | 1250 | 425 | 125 | | 08/09/16 01:44 | 994-05-8 | |
| Benzene | **5000** | ug/L | 625 | 212 | 125 | | 08/09/16 01:44 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 625 | 188 | 125 | | 08/09/16 01:44 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 625 | 275 | 125 | | 08/09/16 01:44 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 625 | 212 | 125 | | 08/09/16 01:44 | 75-27-4 | |
| Bromoform | ND | ug/L | 625 | 188 | 125 | | 08/09/16 01:44 | 75-25-2 | |
| Bromomethane | ND | ug/L | 1250 | 312 | 125 | | 08/09/16 01:44 | 74-83-9 | L3 |
| TOTAL BTEX | **27500** | ug/L | 625 | 625 | 125 | | 08/09/16 01:44 | | |
| 3,3-Dimethyl-1-Butanol | ND | ug/L | 12500 | 4010 | 125 | | 08/09/16 01:44 | 624-95-3 | |
| 2-Butanone (MEK) | ND | ug/L | 1250 | 610 | 125 | | 08/09/16 01:44 | 78-93-3 | |
| tert-Butyl Alcohol | ND | ug/L | 12500 | 7210 | 125 | | 08/09/16 01:44 | 75-65-0 | |
| n-Butylbenzene | ND | ug/L | 625 | 238 | 125 | | 08/09/16 01:44 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 625 | 212 | 125 | | 08/09/16 01:44 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 625 | 200 | 125 | | 08/09/16 01:44 | 98-06-6 | |
| tert-Butyl Formate | ND | ug/L | 6250 | 912 | 125 | | 08/09/16 01:44 | 762-75-4 | |
| Carbon disulfide | ND | ug/L | 1250 | 212 | 125 | | 08/09/16 01:44 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 625 | 238 | 125 | | 08/09/16 01:44 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 625 | 212 | 125 | | 08/09/16 01:44 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1250 | 200 | 125 | | 08/09/16 01:44 | 75-00-3 | |
| 2-Chloroethylvinyl ether | ND | ug/L | 1250 | 275 | 125 | | 08/09/16 01:44 | 110-75-8 | c2 |
| Chloroform | ND | ug/L | 625 | 238 | 125 | | 08/09/16 01:44 | 67-66-3 | |
| Chloromethane | ND | ug/L | 625 | 188 | 125 | | 08/09/16 01:44 | 74-87-3 | |
| Chloroprene | ND | ug/L | 625 | 212 | 125 | | 08/09/16 01:44 | 126-99-8 | |
| 2-Chlorotoluene | ND | ug/L | 625 | 188 | 125 | | 08/09/16 01:44 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 625 | 200 | 125 | | 08/09/16 01:44 | 106-43-4 | |
| Cyclohexane | **1060** | ug/L | 625 | 250 | 125 | | 08/09/16 01:44 | 110-82-7 | |
| Cyclohexanone | ND | ug/L | 31200 | 1350 | 125 | | 08/09/16 01:44 | 108-94-1 | L3 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 250 | 212 | 125 | | 08/09/16 01:44 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 625 | 225 | 125 | | 08/09/16 01:44 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 625 | 212 | 125 | | 08/09/16 01:44 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 625 | 250 | 125 | | 08/09/16 01:44 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 625 | 188 | 125 | | 08/09/16 01:44 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 625 | 188 | 125 | | 08/09/16 01:44 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 625 | 188 | 125 | | 08/09/16 01:44 | 106-46-7 | |
| cis-1,4-Dichloro-2-butene | ND | ug/L | 625 | 200 | 125 | | 08/09/16 01:44 | 1476-11-5 | |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 625 | 250 | 125 | | 08/09/16 01:44 | 110-57-6 | L3 |
| Dichlorodifluoromethane | ND | ug/L | 625 | 200 | 125 | | 08/09/16 01:44 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 625 | 225 | 125 | | 08/09/16 01:44 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 625 | 225 | 125 | | 08/09/16 01:44 | 107-06-2 | |
| 1,2-Dichloroethene (Total) | ND | ug/L | 625 | 550 | 125 | | 08/09/16 01:44 | 540-59-0 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-8** **Lab ID: 92307801013** Collected: 08/03/16 12:00 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| 1,1-Dichloroethene | ND | ug/L | 625 | 238 | 125 | | 08/09/16 01:44 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 625 | 225 | 125 | | 08/09/16 01:44 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 625 | 225 | 125 | | 08/09/16 01:44 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/L | 625 | 212 | 125 | | 08/09/16 01:44 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 625 | 212 | 125 | | 08/09/16 01:44 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 625 | 200 | 125 | | 08/09/16 01:44 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 625 | 212 | 125 | | 08/09/16 01:44 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 625 | 200 | 125 | | 08/09/16 01:44 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 625 | 200 | 125 | | 08/09/16 01:44 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 625 | 238 | 125 | | 08/09/16 01:44 | 60-29-7 | |
| Diisopropyl ether | ND | ug/L | 625 | 212 | 125 | | 08/09/16 01:44 | 108-20-3 | |
| 1,4-Dioxane (p-Dioxane) | ND | ug/L | 18800 | 11500 | 125 | | 08/09/16 01:44 | 123-91-1 | |
| Ethanol | ND | ug/L | 25000 | 16400 | 125 | | 08/09/16 01:44 | 64-17-5 | |
| Ethyl acetate | ND | ug/L | 12500 | 475 | 125 | | 08/09/16 01:44 | 141-78-6 | |
| Ethylbenzene | **1710** | ug/L | 625 | 200 | 125 | | 08/09/16 01:44 | 100-41-4 | |
| Ethyl methacrylate | ND | ug/L | 625 | 300 | 125 | | 08/09/16 01:44 | 97-63-2 | |
| Ethyl-tert-butyl ether | ND | ug/L | 1250 | 450 | 125 | | 08/09/16 01:44 | 637-92-3 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 625 | 225 | 125 | | 08/09/16 01:44 | 87-68-3 | |
| n-Hexane | **849** | ug/L | 625 | 238 | 125 | | 08/09/16 01:44 | 110-54-3 | |
| 2-Hexanone | ND | ug/L | 1250 | 475 | 125 | | 08/09/16 01:44 | 591-78-6 | |
| Iodomethane | ND | ug/L | 1250 | 388 | 125 | | 08/09/16 01:44 | 74-88-4 | |
| Isobutanol | ND | ug/L | 12500 | 6890 | 125 | | 08/09/16 01:44 | 78-83-1 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 625 | 200 | 125 | | 08/09/16 01:44 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 625 | 200 | 125 | | 08/09/16 01:44 | 99-87-6 | |
| Methacrylonitrile | ND | ug/L | 6250 | 2550 | 125 | | 08/09/16 01:44 | 126-98-7 | |
| Methyl acetate | ND | ug/L | 1250 | 238 | 125 | | 08/09/16 01:44 | 79-20-9 | |
| Methylcyclohexane | **1360** | ug/L | 1250 | 338 | 125 | | 08/09/16 01:44 | 108-87-2 | |
| Methylene Chloride | ND | ug/L | 625 | 238 | 125 | | 08/09/16 01:44 | 75-09-2 | |
| Methyl methacrylate | ND | ug/L | 625 | 212 | 125 | | 08/09/16 01:44 | 80-62-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 1250 | 450 | 125 | | 08/09/16 01:44 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 625 | 212 | 125 | | 08/09/16 01:44 | 1634-04-4 | |
| Naphthalene | **607J** | ug/L | 625 | 250 | 125 | | 08/09/16 01:44 | 91-20-3 | |
| Pentachloroethane | ND | ug/L | 625 | 625 | 125 | | 08/09/16 01:44 | 76-01-7 | |
| Propionitrile | ND | ug/L | 6250 | 2620 | 125 | | 08/09/16 01:44 | 107-12-0 | |
| n-Propylbenzene | **257J** | ug/L | 625 | 188 | 125 | | 08/09/16 01:44 | 103-65-1 | |
| Styrene | ND | ug/L | 625 | 200 | 125 | | 08/09/16 01:44 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 625 | 212 | 125 | | 08/09/16 01:44 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 625 | 188 | 125 | | 08/09/16 01:44 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 625 | 225 | 125 | | 08/09/16 01:44 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 6250 | 2510 | 125 | | 08/09/16 01:44 | 109-99-9 | |
| Toluene | **13000** | ug/L | 625 | 200 | 125 | | 08/09/16 01:44 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 625 | 250 | 125 | | 08/09/16 01:44 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 625 | 212 | 125 | | 08/09/16 01:44 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 625 | 238 | 125 | | 08/09/16 01:44 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 625 | 212 | 125 | | 08/09/16 01:44 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 625 | 225 | 125 | | 08/09/16 01:44 | 79-01-6 | |



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## ANALYTICAL RESULTS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

**Sample: GW-8** **Lab ID: 92307801013** Collected: 08/03/16 12:00 Received: 08/04/16 14:42 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260 | | | | | | | | |
| Trichlorofluoromethane | ND | ug/L | 1250 | 212 | 125 | | 08/09/16 01:44 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 625 | 188 | 125 | | 08/09/16 01:44 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 625 | 275 | 125 | | 08/09/16 01:44 | 76-13-1 | |
| 1,2,3-Trimethylbenzene | **532J** | ug/L | 625 | 212 | 125 | | 08/09/16 01:44 | 526-73-8 | |
| 1,2,4-Trimethylbenzene | **1610** | ug/L | 625 | 188 | 125 | | 08/09/16 01:44 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **525J** | ug/L | 625 | 162 | 125 | | 08/09/16 01:44 | 108-67-8 | |
| Vinyl acetate | ND | ug/L | 1250 | 288 | 125 | | 08/09/16 01:44 | 108-05-4 | |
| Vinyl chloride | ND | ug/L | 625 | 188 | 125 | | 08/09/16 01:44 | 75-01-4 | |
| Xylene (Total) | **7760** | ug/L | 1250 | 338 | 125 | | 08/09/16 01:44 | 1330-20-7 | |
| m&p-Xylene | **5340** | ug/L | 1250 | 388 | 125 | | 08/09/16 01:44 | 179601-23-1 | |
| o-Xylene | **2410** | ug/L | 625 | 200 | 125 | | 08/09/16 01:44 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 98 | % | 70-130 | | 125 | | 08/09/16 01:44 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 96 | % | 70-130 | | 125 | | 08/09/16 01:44 | 17060-07-0 | |
| Toluene-d8 (S) | 100 | % | 70-130 | | 125 | | 08/09/16 01:44 | 2037-26-5 | |



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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

QC Batch: 324183 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92307801006, 92307801007, 92307801008, 92307801009, 92307801010, 92307801011

METHOD BLANK: 1796160 Matrix: Water
Associated Lab Samples: 92307801006, 92307801007, 92307801008, 92307801009, 92307801010, 92307801011

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 5.0 | 1.7 | 08/08/16 13:23 | |
| 1,1,1-Trichloroethane | ug/L | ND | 5.0 | 1.9 | 08/08/16 13:23 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 5.0 | 1.5 | 08/08/16 13:23 | |
| 1,1,2-Trichloroethane | ug/L | ND | 5.0 | 1.7 | 08/08/16 13:23 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 5.0 | 2.2 | 08/08/16 13:23 | |
| 1,1-Dichloroethane | ug/L | ND | 5.0 | 1.8 | 08/08/16 13:23 | |
| 1,1-Dichloroethene | ug/L | ND | 5.0 | 1.9 | 08/08/16 13:23 | |
| 1,1-Dichloropropene | ug/L | ND | 5.0 | 1.7 | 08/08/16 13:23 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 5.0 | 2.0 | 08/08/16 13:23 | |
| 1,2,3-Trichloropropane | ug/L | ND | 5.0 | 1.5 | 08/08/16 13:23 | |
| 1,2,3-Trimethylbenzene | ug/L | ND | 5.0 | 1.7 | 08/08/16 13:23 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 5.0 | 1.7 | 08/08/16 13:23 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 5.0 | 1.5 | 08/08/16 13:23 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 2.0 | 1.7 | 08/08/16 13:23 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 5.0 | 1.7 | 08/08/16 13:23 | |
| 1,2-Dichlorobenzene | ug/L | ND | 5.0 | 1.5 | 08/08/16 13:23 | |
| 1,2-Dichloroethane | ug/L | ND | 5.0 | 1.8 | 08/08/16 13:23 | |
| 1,2-Dichloroethene (Total) | ug/L | ND | 5.0 | 4.4 | 08/08/16 13:23 | |
| 1,2-Dichloropropane | ug/L | ND | 5.0 | 1.7 | 08/08/16 13:23 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 5.0 | 1.3 | 08/08/16 13:23 | |
| 1,3-Dichlorobenzene | ug/L | ND | 5.0 | 1.5 | 08/08/16 13:23 | |
| 1,3-Dichloropropane | ug/L | ND | 5.0 | 1.7 | 08/08/16 13:23 | |
| 1,4-Dichlorobenzene | ug/L | ND | 5.0 | 1.5 | 08/08/16 13:23 | |
| 1,4-Dioxane (p-Dioxane) | ug/L | ND | 150 | 91.9 | 08/08/16 13:23 | |
| 2,2-Dichloropropane | ug/L | ND | 5.0 | 1.6 | 08/08/16 13:23 | |
| 2-Butanone (MEK) | ug/L | ND | 10.0 | 4.9 | 08/08/16 13:23 | |
| 2-Chloroethylvinyl ether | ug/L | ND | 10.0 | 2.2 | 08/08/16 13:23 | |
| 2-Chlorotoluene | ug/L | ND | 5.0 | 1.5 | 08/08/16 13:23 | |
| 2-Hexanone | ug/L | ND | 10.0 | 3.8 | 08/08/16 13:23 | |
| 3,3-Dimethyl-1-Butanol | ug/L | ND | 100 | 32.1 | 08/08/16 13:23 | |
| 4-Chlorotoluene | ug/L | ND | 5.0 | 1.6 | 08/08/16 13:23 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 10.0 | 3.6 | 08/08/16 13:23 | |
| Acetone | ug/L | ND | 25.0 | 10.0 | 08/08/16 13:23 | |
| Acetonitrile | ug/L | ND | 50.0 | 15.0 | 08/08/16 13:23 | |
| Acrolein | ug/L | ND | 100 | 8.8 | 08/08/16 13:23 | |
| Acrylonitrile | ug/L | ND | 100 | 11.5 | 08/08/16 13:23 | |
| Allyl chloride | ug/L | ND | 50.0 | 2.1 | 08/08/16 13:23 | |
| Benzene | ug/L | ND | 5.0 | 1.7 | 08/08/16 13:23 | |
| Bromobenzene | ug/L | ND | 5.0 | 1.5 | 08/08/16 13:23 | |
| Bromochloromethane | ug/L | ND | 5.0 | 2.2 | 08/08/16 13:23 | |
| Bromodichloromethane | ug/L | ND | 5.0 | 1.7 | 08/08/16 13:23 | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

METHOD BLANK: 1796160 Matrix: Water
Associated Lab Samples: 92307801006, 92307801007, 92307801008, 92307801009, 92307801010, 92307801011

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|---|---|---|---|---|---|---|
| Bromoform | ug/L | ND | 5.0 | 1.5 | 08/08/16 13:23 | |
| Bromomethane | ug/L | ND | 10.0 | 2.5 | 08/08/16 13:23 | |
| Carbon disulfide | ug/L | ND | 10.0 | 1.7 | 08/08/16 13:23 | |
| Carbon tetrachloride | ug/L | ND | 5.0 | 1.9 | 08/08/16 13:23 | |
| Chlorobenzene | ug/L | ND | 5.0 | 1.7 | 08/08/16 13:23 | |
| Chloroethane | ug/L | ND | 10.0 | 1.6 | 08/08/16 13:23 | |
| Chloroform | ug/L | ND | 5.0 | 1.9 | 08/08/16 13:23 | |
| Chloromethane | ug/L | ND | 5.0 | 1.5 | 08/08/16 13:23 | |
| Chloroprene | ug/L | ND | 5.0 | 1.7 | 08/08/16 13:23 | |
| cis-1,2-Dichloroethene | ug/L | ND | 5.0 | 1.8 | 08/08/16 13:23 | |
| cis-1,3-Dichloropropene | ug/L | ND | 5.0 | 1.6 | 08/08/16 13:23 | |
| cis-1,4-Dichloro-2-butene | ug/L | ND | 5.0 | 1.6 | 08/08/16 13:23 | |
| Cyclohexane | ug/L | ND | 5.0 | 2.0 | 08/08/16 13:23 | |
| Cyclohexanone | ug/L | 98.1J | 250 | 10.8 | 08/08/16 13:23 | |
| Dibromochloromethane | ug/L | ND | 5.0 | 1.8 | 08/08/16 13:23 | |
| Dibromomethane | ug/L | ND | 5.0 | 2.0 | 08/08/16 13:23 | |
| Dichlorodifluoromethane | ug/L | ND | 5.0 | 1.6 | 08/08/16 13:23 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 5.0 | 1.9 | 08/08/16 13:23 | |
| Diisopropyl ether | ug/L | ND | 5.0 | 1.7 | 08/08/16 13:23 | |
| Ethanol | ug/L | ND | 200 | 131 | 08/08/16 13:23 | |
| Ethyl acetate | ug/L | ND | 100 | 3.8 | 08/08/16 13:23 | |
| Ethyl methacrylate | ug/L | ND | 5.0 | 2.4 | 08/08/16 13:23 | |
| Ethyl-tert-butyl ether | ug/L | ND | 10.0 | 3.6 | 08/08/16 13:23 | |
| Ethylbenzene | ug/L | ND | 5.0 | 1.6 | 08/08/16 13:23 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 5.0 | 1.8 | 08/08/16 13:23 | |
| Iodomethane | ug/L | ND | 10.0 | 3.1 | 08/08/16 13:23 | |
| Isobutanol | ug/L | ND | 100 | 55.1 | 08/08/16 13:23 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 5.0 | 1.6 | 08/08/16 13:23 | |
| m&p-Xylene | ug/L | ND | 10.0 | 3.1 | 08/08/16 13:23 | |
| Methacrylonitrile | ug/L | ND | 50.0 | 20.4 | 08/08/16 13:23 | |
| Methyl acetate | ug/L | ND | 10.0 | 1.9 | 08/08/16 13:23 | |
| Methyl methacrylate | ug/L | ND | 5.0 | 1.7 | 08/08/16 13:23 | |
| Methyl-tert-butyl ether | ug/L | ND | 5.0 | 1.7 | 08/08/16 13:23 | |
| Methylcyclohexane | ug/L | ND | 10.0 | 2.7 | 08/08/16 13:23 | |
| Methylene Chloride | ug/L | ND | 5.0 | 1.9 | 08/08/16 13:23 | |
| n-Butylbenzene | ug/L | ND | 5.0 | 1.9 | 08/08/16 13:23 | |
| n-Hexane | ug/L | ND | 5.0 | 1.9 | 08/08/16 13:23 | |
| n-Propylbenzene | ug/L | ND | 5.0 | 1.5 | 08/08/16 13:23 | |
| Naphthalene | ug/L | ND | 5.0 | 2.0 | 08/08/16 13:23 | |
| o-Xylene | ug/L | ND | 5.0 | 1.6 | 08/08/16 13:23 | |
| p-Isopropyltoluene | ug/L | ND | 5.0 | 1.6 | 08/08/16 13:23 | |
| Pentachloroethane | ug/L | ND | 5.0 | 5.0 | 08/08/16 13:23 | |
| Propionitrile | ug/L | ND | 50.0 | 21.0 | 08/08/16 13:23 | |
| sec-Butylbenzene | ug/L | ND | 5.0 | 1.7 | 08/08/16 13:23 | |
| Styrene | ug/L | ND | 5.0 | 1.6 | 08/08/16 13:23 | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

METHOD BLANK: 1796160 Matrix: Water
Associated Lab Samples: 92307801006, 92307801007, 92307801008, 92307801009, 92307801010, 92307801011

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|---|---|---|---|---|---|---|
| tert-Amyl Alcohol | ug/L | ND | 100 | 76.8 | 08/08/16 13:23 | |
| tert-Amylmethyl ether | ug/L | ND | 10.0 | 3.4 | 08/08/16 13:23 | |
| tert-Butyl Alcohol | ug/L | ND | 100 | 57.7 | 08/08/16 13:23 | |
| tert-Butyl Formate | ug/L | ND | 50.0 | 7.3 | 08/08/16 13:23 | |
| tert-Butylbenzene | ug/L | ND | 5.0 | 1.6 | 08/08/16 13:23 | |
| Tetrachloroethene | ug/L | ND | 5.0 | 1.8 | 08/08/16 13:23 | |
| Tetrahydrofuran | ug/L | ND | 50.0 | 20.1 | 08/08/16 13:23 | |
| Toluene | ug/L | ND | 5.0 | 1.6 | 08/08/16 13:23 | |
| TOTAL BTEX | ug/L | ND | 5.0 | 5.0 | 08/08/16 13:23 | |
| trans-1,2-Dichloroethene | ug/L | ND | 5.0 | 1.8 | 08/08/16 13:23 | |
| trans-1,3-Dichloropropene | ug/L | ND | 5.0 | 1.6 | 08/08/16 13:23 | |
| trans-1,4-Dichloro-2-butene | ug/L | ND | 5.0 | 2.0 | 08/08/16 13:23 | |
| Trichloroethene | ug/L | ND | 5.0 | 1.8 | 08/08/16 13:23 | |
| Trichlorofluoromethane | ug/L | ND | 10.0 | 1.7 | 08/08/16 13:23 | |
| Vinyl acetate | ug/L | ND | 10.0 | 2.3 | 08/08/16 13:23 | |
| Vinyl chloride | ug/L | ND | 5.0 | 1.5 | 08/08/16 13:23 | |
| Xylene (Total) | ug/L | ND | 10.0 | 2.7 | 08/08/16 13:23 | |
| 1,2-Dichloroethane-d4 (S) | % | 101 | 70-130 | | 08/08/16 13:23 | |
| 4-Bromofluorobenzene (S) | % | 101 | 70-130 | | 08/08/16 13:23 | |
| Toluene-d8 (S) | % | 105 | 70-130 | | 08/08/16 13:23 | |

LABORATORY CONTROL SAMPLE: 1796161

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | 50 | 50.0 | 100 | 70-130 | |
| 1,1,1-Trichloroethane | ug/L | 50 | 47.4 | 95 | 70-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 46.0 | 92 | 70-130 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 44.9 | 90 | 70-130 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 50 | 48.1 | 96 | 70-130 | |
| 1,1-Dichloroethane | ug/L | 50 | 45.1 | 90 | 70-130 | |
| 1,1-Dichloroethene | ug/L | 50 | 48.9 | 98 | 70-130 | |
| 1,1-Dichloropropene | ug/L | 50 | 45.8 | 92 | 70-130 | |
| 1,2,3-Trichlorobenzene | ug/L | 50 | 50.0 | 100 | 70-130 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 47.4 | 95 | 70-130 | |
| 1,2,3-Trimethylbenzene | ug/L | 50 | 47.0 | 94 | 70-130 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 48.6 | 97 | 70-130 | |
| 1,2,4-Trimethylbenzene | ug/L | 50 | 49.5 | 99 | 70-130 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 47.6 | 95 | 70-130 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 50.8 | 102 | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 49.5 | 99 | 70-130 | |
| 1,2-Dichloroethane | ug/L | 50 | 43.8 | 88 | 70-130 | |
| 1,2-Dichloroethene (Total) | ug/L | 100 | 91.7 | 92 | 70-130 | |
| 1,2-Dichloropropane | ug/L | 50 | 44.9 | 90 | 70-130 | |
| 1,3,5-Trimethylbenzene | ug/L | 50 | 48.5 | 97 | 70-130 | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

LABORATORY CONTROL SAMPLE: 1796161

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | ug/L | 50 | 47.9 | 96 | 70-130 | |
| 1,3-Dichloropropane | ug/L | 50 | 45.6 | 91 | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 46.8 | 94 | 70-130 | |
| 1,4-Dioxane (p-Dioxane) | ug/L | 1000 | 1190 | 119 | 70-130 | |
| 2,2-Dichloropropane | ug/L | 50 | 46.6 | 93 | 70-130 | |
| 2-Butanone (MEK) | ug/L | 100 | 86.4 | 86 | 70-130 | |
| 2-Chloroethylvinyl ether | ug/L | 100 | 96.7 | 97 | 70-130 | |
| 2-Chlorotoluene | ug/L | 50 | 48.0 | 96 | 70-130 | |
| 2-Hexanone | ug/L | 100 | 91.2 | 91 | 70-130 | |
| 3,3-Dimethyl-1-Butanol | ug/L | 1000 | 928 | 93 | 70-130 | |
| 4-Chlorotoluene | ug/L | 50 | 47.1 | 94 | 70-130 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 100 | 91.9 | 92 | 70-130 | |
| Acetone | ug/L | 100 | 86.4 | 86 | 70-130 | |
| Acetonitrile | ug/L | 500 | 445 | 89 | 70-130 | |
| Acrolein | ug/L | 250 | 317 | 127 | 70-130 | |
| Acrylonitrile | ug/L | 250 | 219 | 88 | 70-130 | |
| Allyl chloride | ug/L | 50 | 42.6J | 85 | 70-130 | |
| Benzene | ug/L | 50 | 47.7 | 95 | 70-130 | |
| Bromobenzene | ug/L | 50 | 46.8 | 94 | 70-130 | |
| Bromochloromethane | ug/L | 50 | 45.8 | 92 | 70-130 | |
| Bromodichloromethane | ug/L | 50 | 46.9 | 94 | 70-130 | |
| Bromoform | ug/L | 50 | 47.8 | 96 | 70-130 | |
| Bromomethane | ug/L | 50 | 60.8 | 122 | 70-130 | |
| Carbon disulfide | ug/L | 50 | 48.2 | 96 | 70-130 | |
| Carbon tetrachloride | ug/L | 50 | 51.5 | 103 | 70-130 | |
| Chlorobenzene | ug/L | 50 | 48.6 | 97 | 70-130 | |
| Chloroethane | ug/L | 50 | 44.3 | 89 | 70-130 | |
| Chloroform | ug/L | 50 | 44.8 | 90 | 70-130 | |
| Chloromethane | ug/L | 50 | 38.3 | 77 | 70-130 | |
| Chloroprene | ug/L | 50 | 46.6 | 93 | 70-130 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 45.3 | 91 | 70-130 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 47.8 | 96 | 70-130 | |
| cis-1,4-Dichloro-2-butene | ug/L | 50 | 49.4 | 99 | 70-130 | |
| Cyclohexane | ug/L | 50 | 49.0 | 98 | 70-130 | |
| Cyclohexanone | ug/L | 2500 | 16900 | 678 | 70-130 | F3,L0 |
| Dibromochloromethane | ug/L | 50 | 48.7 | 97 | 70-130 | |
| Dibromomethane | ug/L | 50 | 45.2 | 90 | 70-130 | |
| Dichlorodifluoromethane | ug/L | 50 | 43.3 | 87 | 70-130 | |
| Diethyl ether (Ethyl ether) | ug/L | 50 | 45.5 | 91 | 70-130 | |
| Diisopropyl ether | ug/L | 50 | 46.5 | 93 | 70-130 | |
| Ethanol | ug/L | 2000 | 2120 | 106 | 70-130 | |
| Ethyl acetate | ug/L | 100 | 84.4J | 84 | 70-130 | |
| Ethyl methacrylate | ug/L | 50 | 45.2 | 90 | 70-130 | |
| Ethyl-tert-butyl ether | ug/L | 100 | 94.4 | 94 | 70-130 | |
| Ethylbenzene | ug/L | 50 | 48.0 | 96 | 70-130 | |
| Hexachloro-1,3-butadiene | ug/L | 50 | 52.2 | 104 | 70-130 | |
| Iodomethane | ug/L | 100 | 85.8 | 86 | 70-130 | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

LABORATORY CONTROL SAMPLE: 1796161

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Isobutanol | ug/L | 1000 | 943 | 94 | 70-130 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 48.1 | 96 | 70-130 | |
| m&p-Xylene | ug/L | 100 | 94.0 | 94 | 70-130 | |
| Methacrylonitrile | ug/L | 500 | 457 | 91 | 70-130 | |
| Methyl acetate | ug/L | 50 | 49.9 | 100 | 70-130 | |
| Methyl methacrylate | ug/L | 50 | 47.5 | 95 | 70-130 | |
| Methyl-tert-butyl ether | ug/L | 50 | 46.8 | 94 | 70-130 | |
| Methylcyclohexane | ug/L | 50 | 49.3 | 99 | 70-130 | |
| Methylene Chloride | ug/L | 50 | 47.4 | 95 | 70-130 | |
| n-Butylbenzene | ug/L | 50 | 48.8 | 98 | 70-130 | |
| n-Hexane | ug/L | 50 | 47.9 | 96 | 70-130 | |
| n-Propylbenzene | ug/L | 50 | 45.9 | 92 | 70-130 | |
| Naphthalene | ug/L | 50 | 45.7 | 91 | 70-130 | |
| o-Xylene | ug/L | 50 | 46.4 | 93 | 70-130 | |
| p-Isopropyltoluene | ug/L | 50 | 49.0 | 98 | 70-130 | |
| Pentachloroethane | ug/L | | 7.2 | | | |
| Propionitrile | ug/L | 500 | 427 | 85 | 70-130 | |
| sec-Butylbenzene | ug/L | 50 | 47.5 | 95 | 70-130 | |
| Styrene | ug/L | 50 | 50.4 | 101 | 70-130 | |
| tert-Amyl Alcohol | ug/L | 1000 | 952 | 95 | 70-130 | |
| tert-Amylmethyl ether | ug/L | 100 | 94.7 | 95 | 70-130 | |
| tert-Butyl Alcohol | ug/L | 500 | 461 | 92 | 70-130 | |
| tert-Butyl Formate | ug/L | 400 | 384 | 96 | 70-130 | |
| tert-Butylbenzene | ug/L | 50 | 39.5 | 79 | 70-130 | |
| Tetrachloroethene | ug/L | 50 | 44.9 | 90 | 70-130 | |
| Tetrahydrofuran | ug/L | 500 | 436 | 87 | 70-130 | |
| Toluene | ug/L | 50 | 47.4 | 95 | 70-130 | |
| TOTAL BTEX | ug/L | | 283 | | | |
| trans-1,2-Dichloroethene | ug/L | 50 | 46.3 | 93 | 70-130 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 45.9 | 92 | 70-130 | |
| trans-1,4-Dichloro-2-butene | ug/L | 50 | 78.9 | 158 | 70-130 | F3,L0 |
| Trichloroethene | ug/L | 50 | 49.0 | 98 | 70-130 | |
| Trichlorofluoromethane | ug/L | 50 | 44.6 | 89 | 70-130 | |
| Vinyl acetate | ug/L | 100 | 97.7 | 98 | 70-130 | |
| Vinyl chloride | ug/L | 50 | 48.0 | 96 | 70-130 | |
| Xylene (Total) | ug/L | 150 | 140 | 94 | 70-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 98 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | 103 | 70-130 | |
| Toluene-d8 (S) | % | | | 98 | 70-130 | |

MATRIX SPIKE SAMPLE: 1796162

| Parameter | Units | 92307801010 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 20 | 20.6 | 103 | 70-130 | |
| 1,1,1-Trichloroethane | ug/L | ND | 20 | 22.7 | 113 | 70-130 | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

MATRIX SPIKE SAMPLE: 1796162

| Parameter | Units | 92307801010 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 20 | 19.5 | 98 | 70-130 | |
| 1,1,2-Trichloroethane | ug/L | ND | 20 | 19.3 | 97 | 70-130 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 20 | 24.3 | 122 | 70-130 | |
| 1,1-Dichloroethane | ug/L | ND | 20 | 20.9 | 105 | 70-130 | |
| 1,1-Dichloroethene | ug/L | ND | 20 | 23.5 | 117 | 70-130 | |
| 1,1-Dichloropropene | ug/L | ND | 20 | 20.7 | 104 | 70-130 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 20 | 21.0 | 105 | 70-130 | |
| 1,2,3-Trichloropropane | ug/L | ND | 20 | 20.7 | 103 | 70-130 | |
| 1,2,3-Trimethylbenzene | ug/L | ND | 20 | 21.3 | 107 | 70-130 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 20 | 20.5 | 103 | 70-130 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 20 | 21.9 | 110 | 70-130 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 20 | 20.4 | 102 | 70-130 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 20 | 22.0 | 110 | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | ND | 20 | 22.2 | 111 | 70-130 | |
| 1,2-Dichloroethane | ug/L | ND | 20 | 20.0 | 100 | 70-130 | |
| 1,2-Dichloropropane | ug/L | ND | 20 | 20.0 | 100 | 70-130 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 20 | 21.7 | 108 | 70-130 | |
| 1,3-Dichlorobenzene | ug/L | ND | 20 | 21.3 | 107 | 70-130 | |
| 1,3-Dichloropropane | ug/L | ND | 20 | 20.2 | 101 | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | ND | 20 | 21.0 | 105 | 70-130 | |
| 1,4-Dioxane (p-Dioxane) | ug/L | ND | 400 | 212 | 53 | 70-130 | M1 |
| 2,2-Dichloropropane | ug/L | ND | 20 | 20.4 | 102 | 70-130 | |
| 2-Butanone (MEK) | ug/L | ND | 40 | 38.4 | 96 | 70-130 | |
| 2-Chloroethylvinyl ether | ug/L | ND | 40 | ND | 0 | 70-130 | M1 |
| 2-Chlorotoluene | ug/L | ND | 20 | 22.7 | 113 | 70-130 | |
| 2-Hexanone | ug/L | ND | 40 | 40.7 | 102 | 70-130 | |
| 3,3-Dimethyl-1-Butanol | ug/L | ND | 400 | 351 | 88 | 70-130 | |
| 4-Chlorotoluene | ug/L | ND | 20 | 21.6 | 108 | 70-130 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 40 | 39.6 | 99 | 70-130 | |
| Acetone | ug/L | ND | 40 | 41.2 | 96 | 70-130 | |
| Acetonitrile | ug/L | ND | 200 | 169 | 84 | 70-130 | |
| Acrolein | ug/L | ND | 100 | 133 | 133 | 70-130 | M1 |
| Acrylonitrile | ug/L | ND | 100 | 95.1J | 95 | 70-130 | |
| Allyl chloride | ug/L | ND | 20 | 20.6J | 103 | 70-130 | |
| Benzene | ug/L | ND | 20 | 21.4 | 107 | 70-130 | |
| Bromobenzene | ug/L | ND | 20 | 21.3 | 107 | 70-130 | |
| Bromochloromethane | ug/L | ND | 20 | 20.9 | 104 | 70-130 | |
| Bromodichloromethane | ug/L | ND | 20 | 21.0 | 105 | 70-130 | |
| Bromoform | ug/L | ND | 20 | 18.5 | 92 | 70-130 | |
| Bromomethane | ug/L | ND | 20 | 22.2 | 111 | 70-130 | |
| Carbon disulfide | ug/L | ND | 20 | 23.4 | 115 | 70-130 | |
| Carbon tetrachloride | ug/L | ND | 20 | 24.1 | 120 | 70-130 | |
| Chlorobenzene | ug/L | ND | 20 | 22.0 | 110 | 70-130 | |
| Chloroethane | ug/L | ND | 20 | 21.9 | 110 | 70-130 | |
| Chloroform | ug/L | ND | 20 | 21.1 | 106 | 70-130 | |
| Chloromethane | ug/L | ND | 20 | 19.8 | 95 | 70-130 | |
| Chloroprene | ug/L | ND | 20 | 22.0 | 110 | 70-130 | |

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## QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

MATRIX SPIKE SAMPLE: 1796162

| Parameter | Units | 92307801010 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | ug/L | ND | 20 | 21.3 | 106 | 70-130 | |
| cis-1,3-Dichloropropene | ug/L | ND | 20 | 19.5 | 97 | 70-130 | |
| cis-1,4-Dichloro-2-butene | ug/L | ND | 20 | 20.9 | 105 | 70-130 | |
| Cyclohexane | ug/L | ND | 20 | 24.3 | 121 | 70-130 | |
| Cyclohexanone | ug/L | ND | 1000 | 693 | 69 | | |
| Dibromochloromethane | ug/L | ND | 20 | 20.5 | 103 | 70-130 | |
| Dibromomethane | ug/L | ND | 20 | 19.7 | 99 | 70-130 | |
| Dichlorodifluoromethane | ug/L | ND | 20 | 22.3 | 111 | 70-130 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 20 | 20.3 | 102 | 70-130 | |
| Diisopropyl ether | ug/L | ND | 20 | 20.6 | 103 | 70-130 | |
| Ethanol | ug/L | ND | 800 | 474 | 59 | 70-130 | M1 |
| Ethyl acetate | ug/L | ND | 40 | 24.1J | 60 | 70-130 | M1 |
| Ethyl methacrylate | ug/L | ND | 20 | 20.9 | 105 | 70-130 | |
| Ethyl-tert-butyl ether | ug/L | ND | 40 | 40.5 | 101 | 70-130 | |
| Ethylbenzene | ug/L | ND | 20 | 22.4 | 112 | 70-130 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 20 | 22.5 | 113 | 70-130 | |
| Iodomethane | ug/L | ND | 40 | 43.9 | 110 | 70-130 | |
| Isobutanol | ug/L | ND | 400 | 324 | 81 | 70-130 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 20 | 22.2 | 111 | 70-130 | |
| m&p-Xylene | ug/L | ND | 40 | 43.8 | 110 | 70-130 | |
| Methacrylonitrile | ug/L | ND | 200 | 194 | 97 | 70-130 | |
| Methyl acetate | ug/L | ND | 20 | 21.1 | 105 | 70-130 | |
| Methyl methacrylate | ug/L | ND | 20 | 20.2 | 101 | 70-130 | |
| Methyl-tert-butyl ether | ug/L | ND | 20 | 20.1 | 101 | 70-130 | |
| Methylcyclohexane | ug/L | ND | 20 | 22.0 | 110 | 70-130 | |
| Methylene Chloride | ug/L | ND | 20 | 23.1 | 116 | 70-130 | |
| n-Butylbenzene | ug/L | ND | 20 | 22.1 | 110 | 70-130 | |
| n-Hexane | ug/L | ND | 20 | 20.8 | 104 | 70-130 | |
| n-Propylbenzene | ug/L | ND | 20 | 21.6 | 108 | 70-130 | |
| Naphthalene | ug/L | ND | 20 | 19.5 | 98 | 70-130 | |
| o-Xylene | ug/L | ND | 20 | 21.2 | 106 | 70-130 | |
| p-Isopropyltoluene | ug/L | ND | 20 | 22.2 | 111 | 70-130 | |
| Pentachloroethane | ug/L | ND | | ND | | | |
| Propionitrile | ug/L | ND | 200 | 189 | 95 | 70-130 | |
| sec-Butylbenzene | ug/L | ND | 20 | 22.1 | 110 | 70-130 | |
| Styrene | ug/L | ND | 20 | 22.2 | 111 | 70-130 | |
| tert-Amyl Alcohol | ug/L | ND | 400 | 336 | 84 | 70-130 | |
| tert-Amylmethyl ether | ug/L | ND | 40 | 38.3 | 96 | 70-130 | |
| tert-Butyl Alcohol | ug/L | ND | 200 | 251 | 125 | 70-130 | |
| tert-Butyl Formate | ug/L | ND | 160 | ND | 0 | 70-130 | P5 |
| tert-Butylbenzene | ug/L | ND | 20 | 18.1 | 90 | 70-130 | |
| Tetrachloroethene | ug/L | ND | 20 | 21.1 | 106 | 70-130 | |
| Tetrahydrofuran | ug/L | ND | 200 | 195 | 97 | 70-130 | |
| Toluene | ug/L | ND | 20 | 21.5 | 107 | 70-130 | |
| trans-1,2-Dichloroethene | ug/L | ND | 20 | 22.0 | 110 | 70-130 | |
| trans-1,3-Dichloropropene | ug/L | ND | 20 | 18.5 | 92 | 70-130 | |
| trans-1,4-Dichloro-2-butene | ug/L | ND | 20 | 16.8 | 84 | 70-130 | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

MATRIX SPIKE SAMPLE: 1796162

| Parameter | Units | 92307801010 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| Trichloroethene | ug/L | ND | 20 | 21.5 | 107 | 70-130 | |
| Trichlorofluoromethane | ug/L | ND | 20 | 24.1 | 121 | 70-130 | |
| Vinyl acetate | ug/L | ND | 40 | 37.1 | 93 | 70-130 | |
| Vinyl chloride | ug/L | ND | 20 | 22.6 | 113 | 70-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | | 102 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | | 101 | 70-130 | |
| Toluene-d8 (S) | % | | | | 98 | 70-130 | |

SAMPLE DUPLICATE: 1796163

| Parameter | Units | 92307801011 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | ND | | 30 | |
| 1,1,1-Trichloroethane | ug/L | ND | ND | | 30 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | ND | | 30 | |
| 1,1,2-Trichloroethane | ug/L | ND | ND | | 30 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | ND | | 30 | |
| 1,1-Dichloroethane | ug/L | ND | ND | | 30 | |
| 1,1-Dichloroethene | ug/L | ND | ND | | 30 | |
| 1,1-Dichloropropene | ug/L | ND | ND | | 30 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | ND | | 30 | |
| 1,2,3-Trichloropropane | ug/L | ND | ND | | 30 | |
| 1,2,3-Trimethylbenzene | ug/L | ND | ND | | 30 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | ND | | 30 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | ND | | 30 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | ND | | 30 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | ND | | 30 | |
| 1,2-Dichlorobenzene | ug/L | ND | ND | | 30 | |
| 1,2-Dichloroethane | ug/L | ND | ND | | 30 | |
| 1,2-Dichloroethene (Total) | ug/L | ND | ND | | 30 | |
| 1,2-Dichloropropane | ug/L | ND | ND | | 30 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | ND | | 30 | |
| 1,3-Dichlorobenzene | ug/L | ND | ND | | 30 | |
| 1,3-Dichloropropane | ug/L | ND | ND | | 30 | |
| 1,4-Dichlorobenzene | ug/L | ND | ND | | 30 | |
| 1,4-Dioxane (p-Dioxane) | ug/L | ND | ND | | 30 | |
| 2,2-Dichloropropane | ug/L | ND | ND | | 30 | |
| 2-Butanone (MEK) | ug/L | ND | ND | | 30 | |
| 2-Chloroethylvinyl ether | ug/L | ND | ND | | 30 | |
| 2-Chlorotoluene | ug/L | ND | ND | | 30 | |
| 2-Hexanone | ug/L | ND | ND | | 30 | |
| 3,3-Dimethyl-1-Butanol | ug/L | ND | ND | | 30 | |
| 4-Chlorotoluene | ug/L | ND | ND | | 30 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | ND | | 30 | |
| Acetone | ug/L | ND | ND | | 30 | |
| Acetonitrile | ug/L | ND | ND | | 30 | |

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## QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

SAMPLE DUPLICATE: 1796163

| Parameter | Units | 92307801011 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Acrolein | ug/L | ND | ND | | 30 | |
| Acrylonitrile | ug/L | ND | ND | | 30 | |
| Allyl chloride | ug/L | ND | ND | | 30 | |
| Benzene | ug/L | ND | ND | | 30 | |
| Bromobenzene | ug/L | ND | ND | | 30 | |
| Bromochloromethane | ug/L | ND | ND | | 30 | |
| Bromodichloromethane | ug/L | ND | ND | | 30 | |
| Bromoform | ug/L | ND | ND | | 30 | |
| Bromomethane | ug/L | ND | ND | | 30 | |
| Carbon disulfide | ug/L | ND | ND | | 30 | |
| Carbon tetrachloride | ug/L | ND | ND | | 30 | |
| Chlorobenzene | ug/L | ND | ND | | 30 | |
| Chloroethane | ug/L | ND | ND | | 30 | |
| Chloroform | ug/L | ND | ND | | 30 | |
| Chloromethane | ug/L | ND | ND | | 30 | |
| Chloroprene | ug/L | ND | ND | | 30 | |
| cis-1,2-Dichloroethene | ug/L | ND | ND | | 30 | |
| cis-1,3-Dichloropropene | ug/L | ND | ND | | 30 | |
| cis-1,4-Dichloro-2-butene | ug/L | ND | ND | | 30 | |
| Cyclohexane | ug/L | ND | ND | | 30 | |
| Cyclohexanone | ug/L | ND | ND | | | |
| Dibromochloromethane | ug/L | ND | ND | | 30 | |
| Dibromomethane | ug/L | ND | ND | | 30 | |
| Dichlorodifluoromethane | ug/L | ND | ND | | 30 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | ND | | 30 | |
| Diisopropyl ether | ug/L | ND | ND | | 30 | |
| Ethanol | ug/L | ND | ND | | 30 | |
| Ethyl acetate | ug/L | ND | ND | | 30 | |
| Ethyl methacrylate | ug/L | ND | ND | | 30 | |
| Ethyl-tert-butyl ether | ug/L | ND | ND | | 30 | |
| Ethylbenzene | ug/L | ND | ND | | 30 | |
| Hexachloro-1,3-butadiene | ug/L | ND | ND | | 30 | |
| Iodomethane | ug/L | ND | ND | | 30 | |
| Isobutanol | ug/L | ND | ND | | 30 | |
| Isopropylbenzene (Cumene) | ug/L | ND | ND | | 30 | |
| m&p-Xylene | ug/L | ND | ND | | 30 | |
| Methacrylonitrile | ug/L | ND | ND | | 30 | |
| Methyl acetate | ug/L | ND | ND | | 30 | |
| Methyl methacrylate | ug/L | ND | ND | | 30 | |
| Methyl-tert-butyl ether | ug/L | ND | ND | | 30 | |
| Methylcyclohexane | ug/L | ND | ND | | 30 | |
| Methylene Chloride | ug/L | ND | ND | | 30 | |
| n-Butylbenzene | ug/L | ND | ND | | 30 | |
| n-Hexane | ug/L | ND | ND | | 30 | |
| n-Propylbenzene | ug/L | ND | ND | | 30 | |
| Naphthalene | ug/L | ND | ND | | 30 | |
| o-Xylene | ug/L | ND | ND | | 30 | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

SAMPLE DUPLICATE: 1796163

| Parameter | Units | 92307801011 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| p-Isopropyltoluene | ug/L | ND | ND | | 30 | |
| Pentachloroethane | ug/L | ND | ND | | 30 | |
| Propionitrile | ug/L | ND | ND | | 30 | |
| sec-Butylbenzene | ug/L | ND | ND | | 30 | |
| Styrene | ug/L | ND | ND | | 30 | |
| tert-Amyl Alcohol | ug/L | ND | ND | | 30 | |
| tert-Amylmethyl ether | ug/L | ND | ND | | 30 | |
| tert-Butyl Alcohol | ug/L | ND | ND | | 30 | |
| tert-Butyl Formate | ug/L | ND | ND | | 30 | |
| tert-Butylbenzene | ug/L | ND | ND | | 30 | |
| Tetrachloroethene | ug/L | ND | ND | | 30 | |
| Tetrahydrofuran | ug/L | ND | ND | | 30 | |
| Toluene | ug/L | ND | ND | | 30 | |
| TOTAL BTEX | ug/L | ND | ND | | 30 | |
| trans-1,2-Dichloroethene | ug/L | ND | ND | | 30 | |
| trans-1,3-Dichloropropene | ug/L | ND | ND | | 30 | |
| trans-1,4-Dichloro-2-butene | ug/L | ND | ND | | 30 | |
| Trichloroethene | ug/L | ND | ND | | 30 | |
| Trichlorofluoromethane | ug/L | ND | ND | | 30 | |
| Vinyl acetate | ug/L | ND | ND | | 30 | |
| Vinyl chloride | ug/L | ND | ND | | 30 | |
| Xylene (Total) | ug/L | ND | ND | | 30 | |
| 1,2-Dichloroethane-d4 (S) | % | 96 | 97 | 2 | | |
| 4-Bromofluorobenzene (S) | % | 100 | 100 | 0 | | |
| Toluene-d8 (S) | % | 102 | 102 | 0 | | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

QC Batch: 324209
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV SC
Associated Lab Samples: 92307801013

METHOD BLANK: 1796261
Matrix: Water
Associated Lab Samples: 92307801013

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 5.0 | 1.7 | 08/08/16 22:55 | |
| 1,1,1-Trichloroethane | ug/L | ND | 5.0 | 1.9 | 08/08/16 22:55 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 5.0 | 1.5 | 08/08/16 22:55 | |
| 1,1,2-Trichloroethane | ug/L | ND | 5.0 | 1.7 | 08/08/16 22:55 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 5.0 | 2.2 | 08/08/16 22:55 | |
| 1,1-Dichloroethane | ug/L | ND | 5.0 | 1.8 | 08/08/16 22:55 | |
| 1,1-Dichloroethene | ug/L | ND | 5.0 | 1.9 | 08/08/16 22:55 | |
| 1,1-Dichloropropene | ug/L | ND | 5.0 | 1.7 | 08/08/16 22:55 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 5.0 | 2.0 | 08/08/16 22:55 | |
| 1,2,3-Trichloropropane | ug/L | ND | 5.0 | 1.5 | 08/08/16 22:55 | |
| 1,2,3-Trimethylbenzene | ug/L | ND | 5.0 | 1.7 | 08/08/16 22:55 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 5.0 | 1.7 | 08/08/16 22:55 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 5.0 | 1.5 | 08/08/16 22:55 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 2.0 | 1.7 | 08/08/16 22:55 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 5.0 | 1.7 | 08/08/16 22:55 | |
| 1,2-Dichlorobenzene | ug/L | ND | 5.0 | 1.5 | 08/08/16 22:55 | |
| 1,2-Dichloroethane | ug/L | ND | 5.0 | 1.8 | 08/08/16 22:55 | |
| 1,2-Dichloroethene (Total) | ug/L | ND | 5.0 | 4.4 | 08/08/16 22:55 | |
| 1,2-Dichloropropane | ug/L | ND | 5.0 | 1.7 | 08/08/16 22:55 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 5.0 | 1.3 | 08/08/16 22:55 | |
| 1,3-Dichlorobenzene | ug/L | ND | 5.0 | 1.5 | 08/08/16 22:55 | |
| 1,3-Dichloropropane | ug/L | ND | 5.0 | 1.7 | 08/08/16 22:55 | |
| 1,4-Dichlorobenzene | ug/L | ND | 5.0 | 1.5 | 08/08/16 22:55 | |
| 1,4-Dioxane (p-Dioxane) | ug/L | ND | 150 | 91.9 | 08/08/16 22:55 | |
| 2,2-Dichloropropane | ug/L | ND | 5.0 | 1.6 | 08/08/16 22:55 | |
| 2-Butanone (MEK) | ug/L | ND | 10.0 | 4.9 | 08/08/16 22:55 | |
| 2-Chloroethylvinyl ether | ug/L | ND | 10.0 | 2.2 | 08/08/16 22:55 | |
| 2-Chlorotoluene | ug/L | ND | 5.0 | 1.5 | 08/08/16 22:55 | |
| 2-Hexanone | ug/L | ND | 10.0 | 3.8 | 08/08/16 22:55 | |
| 3,3-Dimethyl-1-Butanol | ug/L | ND | 100 | 32.1 | 08/08/16 22:55 | |
| 4-Chlorotoluene | ug/L | ND | 5.0 | 1.6 | 08/08/16 22:55 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 10.0 | 3.6 | 08/08/16 22:55 | |
| Acetone | ug/L | ND | 25.0 | 10.0 | 08/08/16 22:55 | |
| Acetonitrile | ug/L | ND | 50.0 | 15.0 | 08/08/16 22:55 | |
| Acrolein | ug/L | ND | 100 | 8.8 | 08/08/16 22:55 | |
| Acrylonitrile | ug/L | ND | 100 | 11.5 | 08/08/16 22:55 | |
| Allyl chloride | ug/L | ND | 50.0 | 2.1 | 08/08/16 22:55 | |
| Benzene | ug/L | ND | 5.0 | 1.7 | 08/08/16 22:55 | |
| Bromobenzene | ug/L | ND | 5.0 | 1.5 | 08/08/16 22:55 | |
| Bromochloromethane | ug/L | ND | 5.0 | 2.2 | 08/08/16 22:55 | |
| Bromodichloromethane | ug/L | ND | 5.0 | 1.7 | 08/08/16 22:55 | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

METHOD BLANK: 1796261 Matrix: Water
Associated Lab Samples: 92307801013

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|---|---|---|---|---|---|---|
| Bromoform | ug/L | ND | 5.0 | 1.5 | 08/08/16 22:55 | |
| Bromomethane | ug/L | ND | 10.0 | 2.5 | 08/08/16 22:55 | |
| Carbon disulfide | ug/L | ND | 10.0 | 1.7 | 08/08/16 22:55 | |
| Carbon tetrachloride | ug/L | ND | 5.0 | 1.9 | 08/08/16 22:55 | |
| Chlorobenzene | ug/L | ND | 5.0 | 1.7 | 08/08/16 22:55 | |
| Chloroethane | ug/L | ND | 10.0 | 1.6 | 08/08/16 22:55 | |
| Chloroform | ug/L | ND | 5.0 | 1.9 | 08/08/16 22:55 | |
| Chloromethane | ug/L | ND | 5.0 | 1.5 | 08/08/16 22:55 | |
| Chloroprene | ug/L | ND | 5.0 | 1.7 | 08/08/16 22:55 | |
| cis-1,2-Dichloroethene | ug/L | ND | 5.0 | 1.8 | 08/08/16 22:55 | |
| cis-1,3-Dichloropropene | ug/L | ND | 5.0 | 1.6 | 08/08/16 22:55 | |
| cis-1,4-Dichloro-2-butene | ug/L | ND | 5.0 | 1.6 | 08/08/16 22:55 | |
| Cyclohexane | ug/L | ND | 5.0 | 2.0 | 08/08/16 22:55 | |
| Cyclohexanone | ug/L | 70.1J | 250 | 10.8 | 08/08/16 22:55 | |
| Dibromochloromethane | ug/L | ND | 5.0 | 1.8 | 08/08/16 22:55 | |
| Dibromomethane | ug/L | ND | 5.0 | 2.0 | 08/08/16 22:55 | |
| Dichlorodifluoromethane | ug/L | ND | 5.0 | 1.6 | 08/08/16 22:55 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 5.0 | 1.9 | 08/08/16 22:55 | |
| Diisopropyl ether | ug/L | ND | 5.0 | 1.7 | 08/08/16 22:55 | |
| Ethanol | ug/L | ND | 200 | 131 | 08/08/16 22:55 | |
| Ethyl acetate | ug/L | ND | 100 | 3.8 | 08/08/16 22:55 | |
| Ethyl methacrylate | ug/L | ND | 5.0 | 2.4 | 08/08/16 22:55 | |
| Ethyl-tert-butyl ether | ug/L | ND | 10.0 | 3.6 | 08/08/16 22:55 | |
| Ethylbenzene | ug/L | ND | 5.0 | 1.6 | 08/08/16 22:55 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 5.0 | 1.8 | 08/08/16 22:55 | |
| Iodomethane | ug/L | ND | 10.0 | 3.1 | 08/08/16 22:55 | |
| Isobutanol | ug/L | ND | 100 | 55.1 | 08/08/16 22:55 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 5.0 | 1.6 | 08/08/16 22:55 | |
| m&p-Xylene | ug/L | ND | 10.0 | 3.1 | 08/08/16 22:55 | |
| Methacrylonitrile | ug/L | ND | 50.0 | 20.4 | 08/08/16 22:55 | |
| Methyl acetate | ug/L | ND | 10.0 | 1.9 | 08/08/16 22:55 | |
| Methyl methacrylate | ug/L | ND | 5.0 | 1.7 | 08/08/16 22:55 | |
| Methyl-tert-butyl ether | ug/L | ND | 5.0 | 1.7 | 08/08/16 22:55 | |
| Methylcyclohexane | ug/L | ND | 10.0 | 2.7 | 08/08/16 22:55 | |
| Methylene Chloride | ug/L | ND | 5.0 | 1.9 | 08/08/16 22:55 | |
| n-Butylbenzene | ug/L | ND | 5.0 | 1.9 | 08/08/16 22:55 | |
| n-Hexane | ug/L | ND | 5.0 | 1.9 | 08/08/16 22:55 | |
| n-Propylbenzene | ug/L | ND | 5.0 | 1.5 | 08/08/16 22:55 | |
| Naphthalene | ug/L | ND | 5.0 | 2.0 | 08/08/16 22:55 | |
| o-Xylene | ug/L | ND | 5.0 | 1.6 | 08/08/16 22:55 | |
| p-Isopropyltoluene | ug/L | ND | 5.0 | 1.6 | 08/08/16 22:55 | |
| Pentachloroethane | ug/L | ND | 5.0 | 5.0 | 08/08/16 22:55 | |
| Propionitrile | ug/L | ND | 50.0 | 21.0 | 08/08/16 22:55 | |
| sec-Butylbenzene | ug/L | ND | 5.0 | 1.7 | 08/08/16 22:55 | |
| Styrene | ug/L | ND | 5.0 | 1.6 | 08/08/16 22:55 | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

METHOD BLANK: 1796261 Matrix: Water
Associated Lab Samples: 92307801013

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|---|---|---|---|---|---|---|
| tert-Amyl Alcohol | ug/L | ND | 100 | 76.8 | 08/08/16 22:55 | |
| tert-Amylmethyl ether | ug/L | ND | 10.0 | 3.4 | 08/08/16 22:55 | |
| tert-Butyl Alcohol | ug/L | ND | 100 | 57.7 | 08/08/16 22:55 | |
| tert-Butyl Formate | ug/L | ND | 50.0 | 7.3 | 08/08/16 22:55 | |
| tert-Butylbenzene | ug/L | ND | 5.0 | 1.6 | 08/08/16 22:55 | |
| Tetrachloroethene | ug/L | ND | 5.0 | 1.8 | 08/08/16 22:55 | |
| Tetrahydrofuran | ug/L | ND | 50.0 | 20.1 | 08/08/16 22:55 | |
| Toluene | ug/L | ND | 5.0 | 1.6 | 08/08/16 22:55 | |
| TOTAL BTEX | ug/L | ND | 5.0 | 5.0 | 08/08/16 22:55 | |
| trans-1,2-Dichloroethene | ug/L | ND | 5.0 | 1.8 | 08/08/16 22:55 | |
| trans-1,3-Dichloropropene | ug/L | ND | 5.0 | 1.6 | 08/08/16 22:55 | |
| trans-1,4-Dichloro-2-butene | ug/L | ND | 5.0 | 2.0 | 08/08/16 22:55 | |
| Trichloroethene | ug/L | ND | 5.0 | 1.8 | 08/08/16 22:55 | |
| Trichlorofluoromethane | ug/L | ND | 10.0 | 1.7 | 08/08/16 22:55 | |
| Vinyl acetate | ug/L | ND | 10.0 | 2.3 | 08/08/16 22:55 | |
| Vinyl chloride | ug/L | ND | 5.0 | 1.5 | 08/08/16 22:55 | |
| Xylene (Total) | ug/L | ND | 10.0 | 2.7 | 08/08/16 22:55 | |
| 1,2-Dichloroethane-d4 (S) | % | 97 | 70-130 | | 08/08/16 22:55 | |
| 4-Bromofluorobenzene (S) | % | 99 | 70-130 | | 08/08/16 22:55 | |
| Toluene-d8 (S) | % | 102 | 70-130 | | 08/08/16 22:55 | |

LABORATORY CONTROL SAMPLE: 1796262

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | 50 | 55.8 | 112 | 70-130 | |
| 1,1,1-Trichloroethane | ug/L | 50 | 54.1 | 108 | 70-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 51.7 | 103 | 70-130 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 51.0 | 102 | 70-130 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 50 | 55.6 | 111 | 70-130 | |
| 1,1-Dichloroethane | ug/L | 50 | 51.7 | 103 | 70-130 | |
| 1,1-Dichloroethene | ug/L | 50 | 54.8 | 110 | 70-130 | |
| 1,1-Dichloropropene | ug/L | 50 | 52.6 | 105 | 70-130 | |
| 1,2,3-Trichlorobenzene | ug/L | 50 | 55.6 | 111 | 70-130 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 54.1 | 108 | 70-130 | |
| 1,2,3-Trimethylbenzene | ug/L | 50 | 55.2 | 110 | 70-130 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 55.0 | 110 | 70-130 | |
| 1,2,4-Trimethylbenzene | ug/L | 50 | 57.2 | 114 | 70-130 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 53.7 | 107 | 70-130 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 59.1 | 118 | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 55.7 | 111 | 70-130 | |
| 1,2-Dichloroethane | ug/L | 50 | 49.3 | 99 | 70-130 | |
| 1,2-Dichloroethene (Total) | ug/L | 100 | 103 | 103 | 70-130 | |
| 1,2-Dichloropropane | ug/L | 50 | 50.8 | 102 | 70-130 | |
| 1,3,5-Trimethylbenzene | ug/L | 50 | 54.9 | 110 | 70-130 | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

LABORATORY CONTROL SAMPLE: 1796262

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | ug/L | 50 | 54.9 | 110 | 70-130 | |
| 1,3-Dichloropropane | ug/L | 50 | 53.6 | 107 | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 53.8 | 108 | 70-130 | |
| 1,4-Dioxane (p-Dioxane) | ug/L | 1000 | 1050 | 105 | 70-130 | |
| 2,2-Dichloropropane | ug/L | 50 | 53.1 | 106 | 70-130 | |
| 2-Butanone (MEK) | ug/L | 100 | 101 | 101 | 70-130 | |
| 2-Chloroethylvinyl ether | ug/L | 100 | 108 | 108 | 70-130 | |
| 2-Chlorotoluene | ug/L | 50 | 55.0 | 110 | 70-130 | |
| 2-Hexanone | ug/L | 100 | 102 | 102 | 70-130 | |
| 3,3-Dimethyl-1-Butanol | ug/L | 1000 | 991 | 99 | 70-130 | |
| 4-Chlorotoluene | ug/L | 50 | 55.2 | 110 | 70-130 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 100 | 104 | 104 | 70-130 | |
| Acetone | ug/L | 100 | 97.9 | 98 | 70-130 | |
| Acetonitrile | ug/L | 500 | 504 | 101 | 70-130 | |
| Acrolein | ug/L | 250 | 356 | 142 | 70-130 | L0 |
| Acrylonitrile | ug/L | 250 | 251 | 100 | 70-130 | |
| Allyl chloride | ug/L | 50 | 46.8J | 94 | 70-130 | |
| Benzene | ug/L | 50 | 53.8 | 108 | 70-130 | |
| Bromobenzene | ug/L | 50 | 54.2 | 108 | 70-130 | |
| Bromochloromethane | ug/L | 50 | 51.5 | 103 | 70-130 | |
| Bromodichloromethane | ug/L | 50 | 53.6 | 107 | 70-130 | |
| Bromoform | ug/L | 50 | 53.0 | 106 | 70-130 | |
| Bromomethane | ug/L | 50 | 70.2 | 140 | 70-130 | L0 |
| Carbon disulfide | ug/L | 50 | 54.4 | 109 | 70-130 | |
| Carbon tetrachloride | ug/L | 50 | 59.3 | 119 | 70-130 | |
| Chlorobenzene | ug/L | 50 | 54.7 | 109 | 70-130 | |
| Chloroethane | ug/L | 50 | 51.4 | 103 | 70-130 | |
| Chloroform | ug/L | 50 | 50.7 | 101 | 70-130 | |
| Chloromethane | ug/L | 50 | 46.5 | 93 | 70-130 | |
| Chloroprene | ug/L | 50 | 53.5 | 107 | 70-130 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 51.3 | 103 | 70-130 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 53.8 | 108 | 70-130 | |
| cis-1,4-Dichloro-2-butene | ug/L | 50 | 56.8 | 114 | 70-130 | |
| Cyclohexane | ug/L | 50 | 55.7 | 111 | 70-130 | |
| Cyclohexanone | ug/L | 2500 | 12100 | 485 | 70-130 | E,F3,L0 |
| Dibromochloromethane | ug/L | 50 | 56.1 | 112 | 70-130 | |
| Dibromomethane | ug/L | 50 | 51.2 | 102 | 70-130 | |
| Dichlorodifluoromethane | ug/L | 50 | 53.3 | 107 | 70-130 | |
| Diethyl ether (Ethyl ether) | ug/L | 50 | 49.8 | 100 | 70-130 | |
| Diisopropyl ether | ug/L | 50 | 52.7 | 105 | 70-130 | |
| Ethanol | ug/L | 2000 | 2100 | 105 | 70-130 | |
| Ethyl acetate | ug/L | 100 | 97.8J | 98 | 70-130 | |
| Ethyl methacrylate | ug/L | 50 | 52.8 | 106 | 70-130 | |
| Ethyl-tert-butyl ether | ug/L | 100 | 107 | 107 | 70-130 | |
| Ethylbenzene | ug/L | 50 | 54.6 | 109 | 70-130 | |
| Hexachloro-1,3-butadiene | ug/L | 50 | 56.5 | 113 | 70-130 | |
| Iodomethane | ug/L | 100 | 113 | 113 | 70-130 | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

LABORATORY CONTROL SAMPLE: 1796262

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Isobutanol | ug/L | 1000 | 915 | 92 | 70-130 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 54.3 | 109 | 70-130 | |
| m&p-Xylene | ug/L | 100 | 107 | 107 | 70-130 | |
| Methacrylonitrile | ug/L | 500 | 520 | 104 | 70-130 | |
| Methyl acetate | ug/L | 50 | 58.8 | 118 | 70-130 | |
| Methyl methacrylate | ug/L | 50 | 53.7 | 107 | 70-130 | |
| Methyl-tert-butyl ether | ug/L | 50 | 55.4 | 111 | 70-130 | |
| Methylcyclohexane | ug/L | 50 | 54.9 | 110 | 70-130 | |
| Methylene Chloride | ug/L | 50 | 55.2 | 110 | 70-130 | |
| n-Butylbenzene | ug/L | 50 | 56.1 | 112 | 70-130 | |
| n-Hexane | ug/L | 50 | 53.6 | 107 | 70-130 | |
| n-Propylbenzene | ug/L | 50 | 52.2 | 104 | 70-130 | |
| Naphthalene | ug/L | 50 | 51.6 | 103 | 70-130 | |
| o-Xylene | ug/L | 50 | 52.4 | 105 | 70-130 | |
| p-Isopropyltoluene | ug/L | 50 | 56.9 | 114 | 70-130 | |
| Pentachloroethane | ug/L | | 8.7 | | | |
| Propionitrile | ug/L | 500 | 475 | 95 | 70-130 | |
| sec-Butylbenzene | ug/L | 50 | 54.4 | 109 | 70-130 | |
| Styrene | ug/L | 50 | 56.8 | 114 | 70-130 | |
| tert-Amyl Alcohol | ug/L | 1000 | 990 | 99 | 70-130 | |
| tert-Amylmethyl ether | ug/L | 100 | 106 | 106 | 70-130 | |
| tert-Butyl Alcohol | ug/L | 500 | 487 | 97 | 70-130 | |
| tert-Butyl Formate | ug/L | 400 | 426 | 106 | 70-130 | |
| tert-Butylbenzene | ug/L | 50 | 44.7 | 89 | 70-130 | |
| Tetrachloroethene | ug/L | 50 | 52.7 | 105 | 70-130 | |
| Tetrahydrofuran | ug/L | 500 | 501 | 100 | 70-130 | |
| Toluene | ug/L | 50 | 52.8 | 106 | 70-130 | |
| TOTAL BTEX | ug/L | | 320 | | | |
| trans-1,2-Dichloroethene | ug/L | 50 | 52.2 | 104 | 70-130 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 52.2 | 104 | 70-130 | |
| trans-1,4-Dichloro-2-butene | ug/L | 50 | 76.3 | 153 | 70-130 | F3,L0 |
| Trichloroethene | ug/L | 50 | 53.9 | 108 | 70-130 | |
| Trichlorofluoromethane | ug/L | 50 | 53.4 | 107 | 70-130 | |
| Vinyl acetate | ug/L | 100 | 112 | 112 | 70-130 | |
| Vinyl chloride | ug/L | 50 | 52.6 | 105 | 70-130 | |
| Xylene (Total) | ug/L | 150 | 159 | 106 | 70-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 101 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | 99 | 70-130 | |
| Toluene-d8 (S) | % | | | 97 | 70-130 | |

MATRIX SPIKE SAMPLE: 1796263

| Parameter | Units | 92307827004 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 20 | 21.8 | 109 | 70-130 | |
| 1,1,1-Trichloroethane | ug/L | ND | 20 | 23.0 | 115 | 70-130 | |

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## REPORT OF LABORATORY ANALYSIS

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

MATRIX SPIKE SAMPLE: 1796263

| Parameter | Units | 92307827004 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 20 | 20.4 | 102 | 70-130 | |
| 1,1,2-Trichloroethane | ug/L | ND | 20 | 19.6 | 98 | 70-130 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 20 | 22.9 | 114 | 70-130 | |
| 1,1-Dichloroethane | ug/L | ND | 20 | 20.6 | 103 | 70-130 | |
| 1,1-Dichloroethene | ug/L | ND | 20 | 23.2 | 116 | 70-130 | |
| 1,1-Dichloropropene | ug/L | ND | 20 | 20.7 | 104 | 70-130 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 20 | 22.7 | 114 | 70-130 | |
| 1,2,3-Trichloropropane | ug/L | ND | 20 | 20.8 | 104 | 70-130 | |
| 1,2,3-Trimethylbenzene | ug/L | ND | 20 | 21.7 | 109 | 70-130 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 20 | 22.1 | 111 | 70-130 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 20 | 22.6 | 112 | 70-130 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 20 | 21.3 | 106 | 70-130 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 20 | 21.8 | 109 | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | ND | 20 | 22.3 | 112 | 70-130 | |
| 1,2-Dichloroethane | ug/L | ND | 20 | 19.6 | 97 | 70-130 | |
| 1,2-Dichloropropane | ug/L | ND | 20 | 20.8 | 104 | 70-130 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 20 | 22.2 | 111 | 70-130 | |
| 1,3-Dichlorobenzene | ug/L | ND | 20 | 21.3 | 107 | 70-130 | |
| 1,3-Dichloropropane | ug/L | ND | 20 | 19.8 | 99 | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | ND | 20 | 21.2 | 105 | 70-130 | |
| 1,4-Dioxane (p-Dioxane) | ug/L | ND | 400 | 861 | 215 | 70-130 | M1 |
| 2,2-Dichloropropane | ug/L | ND | 20 | 20.2 | 101 | 70-130 | |
| 2-Butanone (MEK) | ug/L | ND | 40 | 41.7 | 104 | 70-130 | |
| 2-Chloroethylvinyl ether | ug/L | ND | 40 | ND | 0 | 70-130 | M1 |
| 2-Chlorotoluene | ug/L | ND | 20 | 22.0 | 110 | 70-130 | |
| 2-Hexanone | ug/L | ND | 40 | 38.5 | 96 | 70-130 | |
| 3,3-Dimethyl-1-Butanol | ug/L | ND | 400 | 392 | 98 | 70-130 | |
| 4-Chlorotoluene | ug/L | ND | 20 | 21.9 | 109 | 70-130 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 40 | 38.9 | 97 | 70-130 | |
| Acetone | ug/L | ND | 40 | 37.3 | 93 | 70-130 | |
| Acetonitrile | ug/L | ND | 200 | 169 | 84 | 70-130 | |
| Acrolein | ug/L | ND | 100 | 129 | 129 | 70-130 | |
| Acrylonitrile | ug/L | ND | 100 | 95.5J | 96 | 70-130 | |
| Allyl chloride | ug/L | ND | 20 | 19.6J | 98 | 70-130 | |
| Benzene | ug/L | ND | 20 | 22.0 | 110 | 70-130 | |
| Bromobenzene | ug/L | ND | 20 | 21.4 | 107 | 70-130 | |
| Bromochloromethane | ug/L | ND | 20 | 21.3 | 106 | 70-130 | |
| Bromodichloromethane | ug/L | ND | 20 | 21.0 | 105 | 70-130 | |
| Bromoform | ug/L | ND | 20 | 19.1 | 95 | 70-130 | |
| Bromomethane | ug/L | ND | 20 | 29.1 | 145 | 70-130 | M0 |
| Carbon disulfide | ug/L | ND | 20 | 23.4 | 117 | 70-130 | |
| Carbon tetrachloride | ug/L | ND | 20 | 23.6 | 118 | 70-130 | |
| Chlorobenzene | ug/L | ND | 20 | 22.0 | 110 | 70-130 | |
| Chloroethane | ug/L | ND | 20 | 23.0 | 115 | 70-130 | |
| Chloroform | ug/L | ND | 20 | 21.3 | 106 | 70-130 | |
| Chloromethane | ug/L | ND | 20 | 19.9 | 100 | 70-130 | |
| Chloroprene | ug/L | ND | 20 | 21.4 | 107 | 70-130 | |

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## QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

MATRIX SPIKE SAMPLE: 1796263

| Parameter | Units | 92307827004 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | ug/L | ND | 20 | 21.3 | 107 | 70-130 | |
| cis-1,3-Dichloropropene | ug/L | ND | 20 | 19.8 | 99 | 70-130 | |
| cis-1,4-Dichloro-2-butene | ug/L | ND | 20 | 20.9 | 104 | 70-130 | |
| Cyclohexane | ug/L | ND | 20 | 21.7 | 108 | 70-130 | |
| Cyclohexanone | ug/L | ND | 1000 | 2170 | 217 | | |
| Dibromochloromethane | ug/L | ND | 20 | 20.6 | 103 | 70-130 | |
| Dibromomethane | ug/L | ND | 20 | 19.7 | 99 | 70-130 | |
| Dichlorodifluoromethane | ug/L | ND | 20 | 20.9 | 105 | 70-130 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 20 | 20.1 | 100 | 70-130 | |
| Diisopropyl ether | ug/L | ND | 20 | 20.9 | 103 | 70-130 | |
| Ethanol | ug/L | ND | 800 | 1550 | 194 | 70-130 | M1 |
| Ethyl acetate | ug/L | ND | 40 | 22.4J | 56 | 70-130 | M1 |
| Ethyl methacrylate | ug/L | ND | 20 | 19.0 | 95 | 70-130 | |
| Ethyl-tert-butyl ether | ug/L | ND | 40 | 40.8 | 102 | 70-130 | |
| Ethylbenzene | ug/L | ND | 20 | 22.3 | 111 | 70-130 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 20 | 23.5 | 118 | 70-130 | |
| Iodomethane | ug/L | ND | 40 | 47.6 | 119 | 70-130 | |
| Isobutanol | ug/L | ND | 400 | 383 | 96 | 70-130 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 20 | 22.1 | 110 | 70-130 | |
| m&p-Xylene | ug/L | ND | 40 | 43.4 | 108 | 70-130 | |
| Methacrylonitrile | ug/L | ND | 200 | 182 | 91 | 70-130 | |
| Methyl acetate | ug/L | ND | 20 | 21.0 | 105 | 70-130 | |
| Methyl methacrylate | ug/L | ND | 20 | 21.8 | 109 | 70-130 | |
| Methyl-tert-butyl ether | ug/L | 6.6 | 20 | 28.8 | 111 | 70-130 | |
| Methylcyclohexane | ug/L | ND | 20 | 22.6 | 113 | 70-130 | |
| Methylene Chloride | ug/L | ND | 20 | 22.5 | 112 | 70-130 | |
| n-Butylbenzene | ug/L | ND | 20 | 23.0 | 115 | 70-130 | |
| n-Hexane | ug/L | ND | 20 | 22.8 | 114 | 70-130 | |
| n-Propylbenzene | ug/L | ND | 20 | 21.2 | 105 | 70-130 | |
| Naphthalene | ug/L | ND | 20 | 20.9 | 105 | 70-130 | |
| o-Xylene | ug/L | ND | 20 | 21.4 | 107 | 70-130 | |
| p-Isopropyltoluene | ug/L | ND | 20 | 22.2 | 111 | 70-130 | |
| Pentachloroethane | ug/L | ND | | ND | | | |
| Propionitrile | ug/L | ND | 200 | 183 | 91 | 70-130 | |
| sec-Butylbenzene | ug/L | ND | 20 | 22.7 | 110 | 70-130 | |
| Styrene | ug/L | ND | 20 | 22.3 | 111 | 70-130 | |
| tert-Amyl Alcohol | ug/L | 210 | 400 | 652 | 111 | 70-130 | |
| tert-Amylmethyl ether | ug/L | ND | 40 | 39.9 | 100 | 70-130 | |
| tert-Butyl Alcohol | ug/L | ND | 200 | 301 | 134 | 70-130 | M1 |
| tert-Butyl Formate | ug/L | ND | 160 | ND | 1 | 70-130 | P5 |
| tert-Butylbenzene | ug/L | ND | 20 | 18.0 | 89 | 70-130 | |
| Tetrachloroethene | ug/L | ND | 20 | 20.9 | 105 | 70-130 | |
| Tetrahydrofuran | ug/L | ND | 200 | 181 | 91 | 70-130 | |
| Toluene | ug/L | ND | 20 | 21.6 | 107 | 70-130 | |
| trans-1,2-Dichloroethene | ug/L | ND | 20 | 22.1 | 111 | 70-130 | |
| trans-1,3-Dichloropropene | ug/L | ND | 20 | 19.1 | 96 | 70-130 | |
| trans-1,4-Dichloro-2-butene | ug/L | ND | 20 | 21.8 | 109 | 70-130 | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

MATRIX SPIKE SAMPLE: 1796263

| Parameter | Units | 92307827004 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| Trichloroethene | ug/L | ND | 20 | 21.6 | 108 | 70-130 | |
| Trichlorofluoromethane | ug/L | ND | 20 | 22.0 | 110 | 70-130 | |
| Vinyl acetate | ug/L | ND | 40 | 36.4 | 91 | 70-130 | |
| Vinyl chloride | ug/L | ND | 20 | 22.0 | 110 | 70-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | | 100 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | | 100 | 70-130 | |
| Toluene-d8 (S) | % | | | | 96 | 70-130 | |

SAMPLE DUPLICATE: 1796264

| Parameter | Units | 92307827005 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | ND | | 30 | |
| 1,1,1-Trichloroethane | ug/L | ND | ND | | 30 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | ND | | 30 | |
| 1,1,2-Trichloroethane | ug/L | ND | ND | | 30 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | ND | | 30 | |
| 1,1-Dichloroethane | ug/L | ND | ND | | 30 | |
| 1,1-Dichloroethene | ug/L | ND | ND | | 30 | |
| 1,1-Dichloropropene | ug/L | ND | ND | | 30 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | ND | | 30 | |
| 1,2,3-Trichloropropane | ug/L | ND | ND | | 30 | |
| 1,2,3-Trimethylbenzene | ug/L | ND | ND | | 30 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | ND | | 30 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | ND | | 30 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | ND | | 30 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | ND | | 30 | |
| 1,2-Dichlorobenzene | ug/L | ND | ND | | 30 | |
| 1,2-Dichloroethane | ug/L | ND | ND | | 30 | |
| 1,2-Dichloroethene (Total) | ug/L | ND | ND | | 30 | |
| 1,2-Dichloropropane | ug/L | ND | ND | | 30 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | ND | | 30 | |
| 1,3-Dichlorobenzene | ug/L | ND | ND | | 30 | |
| 1,3-Dichloropropane | ug/L | ND | ND | | 30 | |
| 1,4-Dichlorobenzene | ug/L | ND | ND | | 30 | |
| 1,4-Dioxane (p-Dioxane) | ug/L | ND | ND | | 30 | |
| 2,2-Dichloropropane | ug/L | ND | ND | | 30 | |
| 2-Butanone (MEK) | ug/L | ND | ND | | 30 | |
| 2-Chloroethylvinyl ether | ug/L | ND | ND | | 30 | |
| 2-Chlorotoluene | ug/L | ND | ND | | 30 | |
| 2-Hexanone | ug/L | ND | ND | | 30 | |
| 3,3-Dimethyl-1-Butanol | ug/L | ND | ND | | 30 | |
| 4-Chlorotoluene | ug/L | ND | ND | | 30 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | ND | | 30 | |
| Acetone | ug/L | ND | ND | | 30 | |
| Acetonitrile | ug/L | ND | ND | | 30 | |

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## QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

SAMPLE DUPLICATE: 1796264

| Parameter | Units | 92307827005 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Acrolein | ug/L | ND | ND | | 30 | |
| Acrylonitrile | ug/L | ND | ND | | 30 | |
| Allyl chloride | ug/L | ND | ND | | 30 | |
| Benzene | ug/L | ND | ND | | 30 | |
| Bromobenzene | ug/L | ND | ND | | 30 | |
| Bromochloromethane | ug/L | ND | ND | | 30 | |
| Bromodichloromethane | ug/L | ND | ND | | 30 | |
| Bromoform | ug/L | ND | ND | | 30 | |
| Bromomethane | ug/L | ND | ND | | 30 | |
| Carbon disulfide | ug/L | ND | ND | | 30 | |
| Carbon tetrachloride | ug/L | ND | ND | | 30 | |
| Chlorobenzene | ug/L | ND | ND | | 30 | |
| Chloroethane | ug/L | ND | ND | | 30 | |
| Chloroform | ug/L | ND | ND | | 30 | |
| Chloromethane | ug/L | ND | ND | | 30 | |
| Chloroprene | ug/L | ND | ND | | 30 | |
| cis-1,2-Dichloroethene | ug/L | ND | ND | | 30 | |
| cis-1,3-Dichloropropene | ug/L | ND | ND | | 30 | |
| cis-1,4-Dichloro-2-butene | ug/L | ND | ND | | 30 | |
| Cyclohexane | ug/L | ND | ND | | 30 | |
| Cyclohexanone | ug/L | ND | ND | | | |
| Dibromochloromethane | ug/L | ND | ND | | 30 | |
| Dibromomethane | ug/L | ND | ND | | 30 | |
| Dichlorodifluoromethane | ug/L | ND | ND | | 30 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | ND | | 30 | |
| Diisopropyl ether | ug/L | ND | ND | | 30 | |
| Ethanol | ug/L | ND | ND | | 30 | |
| Ethyl acetate | ug/L | ND | ND | | 30 | |
| Ethyl methacrylate | ug/L | ND | ND | | 30 | |
| Ethyl-tert-butyl ether | ug/L | ND | ND | | 30 | |
| Ethylbenzene | ug/L | ND | ND | | 30 | |
| Hexachloro-1,3-butadiene | ug/L | ND | ND | | 30 | |
| Iodomethane | ug/L | ND | ND | | 30 | |
| Isobutanol | ug/L | ND | ND | | 30 | |
| Isopropylbenzene (Cumene) | ug/L | ND | ND | | 30 | |
| m&p-Xylene | ug/L | ND | ND | | 30 | |
| Methacrylonitrile | ug/L | ND | ND | | 30 | |
| Methyl acetate | ug/L | ND | ND | | 30 | |
| Methyl methacrylate | ug/L | ND | ND | | 30 | |
| Methyl-tert-butyl ether | ug/L | ND | ND | | 30 | |
| Methylcyclohexane | ug/L | ND | ND | | 30 | |
| Methylene Chloride | ug/L | ND | ND | | 30 | |
| n-Butylbenzene | ug/L | ND | ND | | 30 | |
| n-Hexane | ug/L | ND | ND | | 30 | |
| n-Propylbenzene | ug/L | ND | ND | | 30 | |
| Naphthalene | ug/L | ND | ND | | 30 | |
| o-Xylene | ug/L | ND | ND | | 30 | |

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## QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

SAMPLE DUPLICATE: 1796264

| Parameter | Units | 92307827005 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| p-Isopropyltoluene | ug/L | ND | ND | | 30 | |
| Pentachloroethane | ug/L | ND | ND | | 30 | |
| Propionitrile | ug/L | ND | ND | | 30 | |
| sec-Butylbenzene | ug/L | ND | ND | | 30 | |
| Styrene | ug/L | ND | ND | | 30 | |
| tert-Amyl Alcohol | ug/L | ND | ND | | 30 | |
| tert-Amylmethyl ether | ug/L | ND | ND | | 30 | |
| tert-Butyl Alcohol | ug/L | ND | ND | | 30 | |
| tert-Butyl Formate | ug/L | ND | ND | | 30 | |
| tert-Butylbenzene | ug/L | ND | ND | | 30 | |
| Tetrachloroethene | ug/L | ND | ND | | 30 | |
| Tetrahydrofuran | ug/L | ND | ND | | 30 | |
| Toluene | ug/L | ND | ND | | 30 | |
| TOTAL BTEX | ug/L | ND | ND | | 30 | |
| trans-1,2-Dichloroethene | ug/L | ND | ND | | 30 | |
| trans-1,3-Dichloropropene | ug/L | ND | ND | | 30 | |
| trans-1,4-Dichloro-2-butene | ug/L | ND | ND | | 30 | |
| Trichloroethene | ug/L | ND | ND | | 30 | |
| Trichlorofluoromethane | ug/L | ND | ND | | 30 | |
| Vinyl acetate | ug/L | ND | ND | | 30 | |
| Vinyl chloride | ug/L | ND | ND | | 30 | |
| Xylene (Total) | ug/L | ND | ND | | 30 | |
| 1,2-Dichloroethane-d4 (S) | % | 96 | 95 | 1 | | |
| 4-Bromofluorobenzene (S) | % | 101 | 100 | 1 | | |
| Toluene-d8 (S) | % | 104 | 102 | 1 | | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

QC Batch: 324296
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV SC
Associated Lab Samples: 92307801012

METHOD BLANK: 1796618
Matrix: Water
Associated Lab Samples: 92307801012

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 5.0 | 1.7 | 08/09/16 11:45 | |
| 1,1,1-Trichloroethane | ug/L | ND | 5.0 | 1.9 | 08/09/16 11:45 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 5.0 | 1.5 | 08/09/16 11:45 | |
| 1,1,2-Trichloroethane | ug/L | ND | 5.0 | 1.7 | 08/09/16 11:45 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 5.0 | 2.2 | 08/09/16 11:45 | |
| 1,1-Dichloroethane | ug/L | ND | 5.0 | 1.8 | 08/09/16 11:45 | |
| 1,1-Dichloroethene | ug/L | ND | 5.0 | 1.9 | 08/09/16 11:45 | |
| 1,1-Dichloropropene | ug/L | ND | 5.0 | 1.7 | 08/09/16 11:45 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 5.0 | 2.0 | 08/09/16 11:45 | |
| 1,2,3-Trichloropropane | ug/L | ND | 5.0 | 1.5 | 08/09/16 11:45 | |
| 1,2,3-Trimethylbenzene | ug/L | ND | 5.0 | 1.7 | 08/09/16 11:45 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 5.0 | 1.7 | 08/09/16 11:45 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 5.0 | 1.5 | 08/09/16 11:45 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 2.0 | 1.7 | 08/09/16 11:45 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 5.0 | 1.7 | 08/09/16 11:45 | |
| 1,2-Dichlorobenzene | ug/L | ND | 5.0 | 1.5 | 08/09/16 11:45 | |
| 1,2-Dichloroethane | ug/L | ND | 5.0 | 1.8 | 08/09/16 11:45 | |
| 1,2-Dichloroethene (Total) | ug/L | ND | 5.0 | 4.4 | 08/09/16 11:45 | |
| 1,2-Dichloropropane | ug/L | ND | 5.0 | 1.7 | 08/09/16 11:45 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 5.0 | 1.3 | 08/09/16 11:45 | |
| 1,3-Dichlorobenzene | ug/L | ND | 5.0 | 1.5 | 08/09/16 11:45 | |
| 1,3-Dichloropropane | ug/L | ND | 5.0 | 1.7 | 08/09/16 11:45 | |
| 1,4-Dichlorobenzene | ug/L | ND | 5.0 | 1.5 | 08/09/16 11:45 | |
| 1,4-Dioxane (p-Dioxane) | ug/L | ND | 150 | 91.9 | 08/09/16 11:45 | |
| 2,2-Dichloropropane | ug/L | ND | 5.0 | 1.6 | 08/09/16 11:45 | |
| 2-Butanone (MEK) | ug/L | ND | 10.0 | 4.9 | 08/09/16 11:45 | |
| 2-Chloroethylvinyl ether | ug/L | ND | 10.0 | 2.2 | 08/09/16 11:45 | |
| 2-Chlorotoluene | ug/L | ND | 5.0 | 1.5 | 08/09/16 11:45 | |
| 2-Hexanone | ug/L | ND | 10.0 | 3.8 | 08/09/16 11:45 | |
| 3,3-Dimethyl-1-Butanol | ug/L | ND | 100 | 32.1 | 08/09/16 11:45 | |
| 4-Chlorotoluene | ug/L | ND | 5.0 | 1.6 | 08/09/16 11:45 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 10.0 | 3.6 | 08/09/16 11:45 | |
| Acetone | ug/L | ND | 25.0 | 10.0 | 08/09/16 11:45 | |
| Acetonitrile | ug/L | ND | 50.0 | 15.0 | 08/09/16 11:45 | |
| Acrolein | ug/L | ND | 100 | 8.8 | 08/09/16 11:45 | |
| Acrylonitrile | ug/L | ND | 100 | 11.5 | 08/09/16 11:45 | |
| Allyl chloride | ug/L | ND | 50.0 | 2.1 | 08/09/16 11:45 | |
| Benzene | ug/L | ND | 5.0 | 1.7 | 08/09/16 11:45 | |
| Bromobenzene | ug/L | ND | 5.0 | 1.5 | 08/09/16 11:45 | |
| Bromochloromethane | ug/L | ND | 5.0 | 2.2 | 08/09/16 11:45 | |
| Bromodichloromethane | ug/L | ND | 5.0 | 1.7 | 08/09/16 11:45 | |

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(704)875-9092

# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

METHOD BLANK: 1796618 Matrix: Water
Associated Lab Samples: 92307801012

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|---|---|---|---|---|---|---|
| Bromoform | ug/L | ND | 5.0 | 1.5 | 08/09/16 11:45 | |
| Bromomethane | ug/L | ND | 10.0 | 2.5 | 08/09/16 11:45 | |
| Carbon disulfide | ug/L | ND | 10.0 | 1.7 | 08/09/16 11:45 | |
| Carbon tetrachloride | ug/L | ND | 5.0 | 1.9 | 08/09/16 11:45 | |
| Chlorobenzene | ug/L | ND | 5.0 | 1.7 | 08/09/16 11:45 | |
| Chloroethane | ug/L | ND | 10.0 | 1.6 | 08/09/16 11:45 | |
| Chloroform | ug/L | ND | 5.0 | 1.9 | 08/09/16 11:45 | |
| Chloromethane | ug/L | ND | 5.0 | 1.5 | 08/09/16 11:45 | |
| Chloroprene | ug/L | ND | 5.0 | 1.7 | 08/09/16 11:45 | |
| cis-1,2-Dichloroethene | ug/L | ND | 5.0 | 1.8 | 08/09/16 11:45 | |
| cis-1,3-Dichloropropene | ug/L | ND | 5.0 | 1.6 | 08/09/16 11:45 | |
| cis-1,4-Dichloro-2-butene | ug/L | ND | 5.0 | 1.6 | 08/09/16 11:45 | |
| Cyclohexane | ug/L | ND | 5.0 | 2.0 | 08/09/16 11:45 | |
| Cyclohexanone | ug/L | 186J | 250 | 10.8 | 08/09/16 11:45 | |
| Dibromochloromethane | ug/L | ND | 5.0 | 1.8 | 08/09/16 11:45 | |
| Dibromomethane | ug/L | ND | 5.0 | 2.0 | 08/09/16 11:45 | |
| Dichlorodifluoromethane | ug/L | ND | 5.0 | 1.6 | 08/09/16 11:45 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 5.0 | 1.9 | 08/09/16 11:45 | |
| Diisopropyl ether | ug/L | ND | 5.0 | 1.7 | 08/09/16 11:45 | |
| Ethanol | ug/L | ND | 200 | 131 | 08/09/16 11:45 | |
| Ethyl acetate | ug/L | ND | 100 | 3.8 | 08/09/16 11:45 | |
| Ethyl methacrylate | ug/L | ND | 5.0 | 2.4 | 08/09/16 11:45 | |
| Ethyl-tert-butyl ether | ug/L | ND | 10.0 | 3.6 | 08/09/16 11:45 | |
| Ethylbenzene | ug/L | ND | 5.0 | 1.6 | 08/09/16 11:45 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 5.0 | 1.8 | 08/09/16 11:45 | |
| Iodomethane | ug/L | ND | 10.0 | 3.1 | 08/09/16 11:45 | |
| Isobutanol | ug/L | ND | 100 | 55.1 | 08/09/16 11:45 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 5.0 | 1.6 | 08/09/16 11:45 | |
| m&p-Xylene | ug/L | ND | 10.0 | 3.1 | 08/09/16 11:45 | |
| Methacrylonitrile | ug/L | ND | 50.0 | 20.4 | 08/09/16 11:45 | |
| Methyl acetate | ug/L | ND | 10.0 | 1.9 | 08/09/16 11:45 | |
| Methyl methacrylate | ug/L | ND | 5.0 | 1.7 | 08/09/16 11:45 | |
| Methyl-tert-butyl ether | ug/L | ND | 5.0 | 1.7 | 08/09/16 11:45 | |
| Methylcyclohexane | ug/L | ND | 10.0 | 2.7 | 08/09/16 11:45 | |
| Methylene Chloride | ug/L | ND | 5.0 | 1.9 | 08/09/16 11:45 | |
| n-Butylbenzene | ug/L | ND | 5.0 | 1.9 | 08/09/16 11:45 | |
| n-Hexane | ug/L | ND | 5.0 | 1.9 | 08/09/16 11:45 | |
| n-Propylbenzene | ug/L | ND | 5.0 | 1.5 | 08/09/16 11:45 | |
| Naphthalene | ug/L | ND | 5.0 | 2.0 | 08/09/16 11:45 | |
| o-Xylene | ug/L | ND | 5.0 | 1.6 | 08/09/16 11:45 | |
| p-Isopropyltoluene | ug/L | ND | 5.0 | 1.6 | 08/09/16 11:45 | |
| Pentachloroethane | ug/L | ND | 5.0 | 5.0 | 08/09/16 11:45 | |
| Propionitrile | ug/L | ND | 50.0 | 21.0 | 08/09/16 11:45 | |
| sec-Butylbenzene | ug/L | ND | 5.0 | 1.7 | 08/09/16 11:45 | |
| Styrene | ug/L | ND | 5.0 | 1.6 | 08/09/16 11:45 | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

METHOD BLANK: 1796618 Matrix: Water
Associated Lab Samples: 92307801012

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|---|---|---|---|---|---|---|
| tert-Amyl Alcohol | ug/L | ND | 100 | 76.8 | 08/09/16 11:45 | |
| tert-Amylmethyl ether | ug/L | ND | 10.0 | 3.4 | 08/09/16 11:45 | |
| tert-Butyl Alcohol | ug/L | ND | 100 | 57.7 | 08/09/16 11:45 | |
| tert-Butyl Formate | ug/L | ND | 50.0 | 7.3 | 08/09/16 11:45 | |
| tert-Butylbenzene | ug/L | ND | 5.0 | 1.6 | 08/09/16 11:45 | |
| Tetrachloroethene | ug/L | ND | 5.0 | 1.8 | 08/09/16 11:45 | |
| Tetrahydrofuran | ug/L | ND | 50.0 | 20.1 | 08/09/16 11:45 | |
| Toluene | ug/L | ND | 5.0 | 1.6 | 08/09/16 11:45 | |
| TOTAL BTEX | ug/L | ND | 5.0 | 5.0 | 08/09/16 11:45 | |
| trans-1,2-Dichloroethene | ug/L | ND | 5.0 | 1.8 | 08/09/16 11:45 | |
| trans-1,3-Dichloropropene | ug/L | ND | 5.0 | 1.6 | 08/09/16 11:45 | |
| trans-1,4-Dichloro-2-butene | ug/L | ND | 5.0 | 2.0 | 08/09/16 11:45 | |
| Trichloroethene | ug/L | ND | 5.0 | 1.8 | 08/09/16 11:45 | |
| Trichlorofluoromethane | ug/L | ND | 10.0 | 1.7 | 08/09/16 11:45 | |
| Vinyl acetate | ug/L | ND | 10.0 | 2.3 | 08/09/16 11:45 | |
| Vinyl chloride | ug/L | ND | 5.0 | 1.5 | 08/09/16 11:45 | |
| Xylene (Total) | ug/L | ND | 10.0 | 2.7 | 08/09/16 11:45 | |
| 1,2-Dichloroethane-d4 (S) | % | 94 | 70-130 | | 08/09/16 11:45 | |
| 4-Bromofluorobenzene (S) | % | 99 | 70-130 | | 08/09/16 11:45 | |
| Toluene-d8 (S) | % | 103 | 70-130 | | 08/09/16 11:45 | |

LABORATORY CONTROL SAMPLE: 1796619

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | 50 | 54.2 | 108 | 70-130 | |
| 1,1,1-Trichloroethane | ug/L | 50 | 51.9 | 104 | 70-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 50.4 | 101 | 70-130 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 49.5 | 99 | 70-130 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 50 | 55.8 | 112 | 70-130 | |
| 1,1-Dichloroethane | ug/L | 50 | 48.8 | 98 | 70-130 | |
| 1,1-Dichloroethene | ug/L | 50 | 53.5 | 107 | 70-130 | |
| 1,1-Dichloropropene | ug/L | 50 | 50.4 | 101 | 70-130 | |
| 1,2,3-Trichlorobenzene | ug/L | 50 | 54.3 | 109 | 70-130 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 53.4 | 107 | 70-130 | |
| 1,2,3-Trimethylbenzene | ug/L | 50 | 53.3 | 107 | 70-130 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 53.3 | 107 | 70-130 | |
| 1,2,4-Trimethylbenzene | ug/L | 50 | 55.5 | 111 | 70-130 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 53.0 | 106 | 70-130 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 56.7 | 113 | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 54.7 | 109 | 70-130 | |
| 1,2-Dichloroethane | ug/L | 50 | 47.0 | 94 | 70-130 | |
| 1,2-Dichloroethene (Total) | ug/L | 100 | 99.0 | 99 | 70-130 | |
| 1,2-Dichloropropane | ug/L | 50 | 48.9 | 98 | 70-130 | |
| 1,3,5-Trimethylbenzene | ug/L | 50 | 53.7 | 107 | 70-130 | |

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## REPORT OF LABORATORY ANALYSIS

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

LABORATORY CONTROL SAMPLE: 1796619

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | ug/L | 50 | 53.6 | 107 | 70-130 | |
| 1,3-Dichloropropane | ug/L | 50 | 50.9 | 102 | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 52.8 | 106 | 70-130 | |
| 1,4-Dioxane (p-Dioxane) | ug/L | 1000 | 1000 | 100 | 70-130 | |
| 2,2-Dichloropropane | ug/L | 50 | 53.1 | 106 | 70-130 | |
| 2-Butanone (MEK) | ug/L | 100 | 101 | 101 | 70-130 | |
| 2-Chloroethylvinyl ether | ug/L | 100 | 106 | 106 | 70-130 | |
| 2-Chlorotoluene | ug/L | 50 | 54.0 | 108 | 70-130 | |
| 2-Hexanone | ug/L | 100 | 102 | 102 | 70-130 | |
| 3,3-Dimethyl-1-Butanol | ug/L | 1000 | 998 | 100 | 70-130 | |
| 4-Chlorotoluene | ug/L | 50 | 53.8 | 108 | 70-130 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 100 | 103 | 103 | 70-130 | |
| Acetone | ug/L | 100 | 100 | 100 | 70-130 | |
| Acetonitrile | ug/L | 500 | 510 | 102 | 70-130 | |
| Acrolein | ug/L | 250 | 344 | 138 | 70-130 | L0 |
| Acrylonitrile | ug/L | 250 | 247 | 99 | 70-130 | |
| Allyl chloride | ug/L | 50 | 49.3J | 99 | 70-130 | |
| Benzene | ug/L | 50 | 52.0 | 104 | 70-130 | |
| Bromobenzene | ug/L | 50 | 53.6 | 107 | 70-130 | |
| Bromochloromethane | ug/L | 50 | 50.3 | 101 | 70-130 | |
| Bromodichloromethane | ug/L | 50 | 50.7 | 101 | 70-130 | |
| Bromoform | ug/L | 50 | 51.2 | 102 | 70-130 | |
| Bromomethane | ug/L | 50 | 46.0 | 92 | 70-130 | |
| Carbon disulfide | ug/L | 50 | 52.5 | 105 | 70-130 | |
| Carbon tetrachloride | ug/L | 50 | 57.0 | 114 | 70-130 | |
| Chlorobenzene | ug/L | 50 | 53.5 | 107 | 70-130 | |
| Chloroethane | ug/L | 50 | 50.8 | 102 | 70-130 | |
| Chloroform | ug/L | 50 | 48.1 | 96 | 70-130 | |
| Chloromethane | ug/L | 50 | 35.0 | 70 | 70-130 | |
| Chloroprene | ug/L | 50 | 50.5 | 101 | 70-130 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 48.5 | 97 | 70-130 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 51.5 | 103 | 70-130 | |
| cis-1,4-Dichloro-2-butene | ug/L | 50 | 56.1 | 112 | 70-130 | |
| Cyclohexane | ug/L | 50 | 53.3 | 107 | 70-130 | |
| Cyclohexanone | ug/L | 2500 | 14900 | 594 | 70-130 | E,F3,L0 |
| Dibromochloromethane | ug/L | 50 | 53.1 | 106 | 70-130 | |
| Dibromomethane | ug/L | 50 | 48.5 | 97 | 70-130 | |
| Dichlorodifluoromethane | ug/L | 50 | 51.4 | 103 | 70-130 | |
| Diethyl ether (Ethyl ether) | ug/L | 50 | 49.6 | 99 | 70-130 | |
| Diisopropyl ether | ug/L | 50 | 50.7 | 101 | 70-130 | |
| Ethanol | ug/L | 2000 | 2510 | 126 | 70-130 | |
| Ethyl acetate | ug/L | 100 | 92.6J | 93 | 70-130 | |
| Ethyl methacrylate | ug/L | 50 | 51.1 | 102 | 70-130 | |
| Ethyl-tert-butyl ether | ug/L | 100 | 103 | 103 | 70-130 | |
| Ethylbenzene | ug/L | 50 | 52.9 | 106 | 70-130 | |
| Hexachloro-1,3-butadiene | ug/L | 50 | 57.0 | 114 | 70-130 | |
| Iodomethane | ug/L | 100 | 82.8 | 83 | 70-130 | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

LABORATORY CONTROL SAMPLE: 1796619

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Isobutanol | ug/L | 1000 | 1010 | 101 | 70-130 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 51.9 | 104 | 70-130 | |
| m&p-Xylene | ug/L | 100 | 102 | 102 | 70-130 | |
| Methacrylonitrile | ug/L | 500 | 508 | 102 | 70-130 | |
| Methyl acetate | ug/L | 50 | 56.2 | 112 | 70-130 | |
| Methyl methacrylate | ug/L | 50 | 51.8 | 104 | 70-130 | |
| Methyl-tert-butyl ether | ug/L | 50 | 51.5 | 103 | 70-130 | |
| Methylcyclohexane | ug/L | 50 | 55.4 | 111 | 70-130 | |
| Methylene Chloride | ug/L | 50 | 51.7 | 103 | 70-130 | |
| n-Butylbenzene | ug/L | 50 | 56.3 | 113 | 70-130 | |
| n-Hexane | ug/L | 50 | 54.0 | 108 | 70-130 | |
| n-Propylbenzene | ug/L | 50 | 52.2 | 104 | 70-130 | |
| Naphthalene | ug/L | 50 | 50.4 | 101 | 70-130 | |
| o-Xylene | ug/L | 50 | 50.6 | 101 | 70-130 | |
| p-Isopropyltoluene | ug/L | 50 | 55.1 | 110 | 70-130 | |
| Pentachloroethane | ug/L | | 8.2 | | | |
| Propionitrile | ug/L | 500 | 483 | 97 | 70-130 | |
| sec-Butylbenzene | ug/L | 50 | 53.6 | 107 | 70-130 | |
| Styrene | ug/L | 50 | 53.9 | 108 | 70-130 | |
| tert-Amyl Alcohol | ug/L | 1000 | 993 | 99 | 70-130 | |
| tert-Amylmethyl ether | ug/L | 100 | 103 | 103 | 70-130 | |
| tert-Butyl Alcohol | ug/L | 500 | 484 | 97 | 70-130 | |
| tert-Butyl Formate | ug/L | 400 | 408 | 102 | 70-130 | |
| tert-Butylbenzene | ug/L | 50 | 43.7 | 87 | 70-130 | |
| Tetrachloroethene | ug/L | 50 | 50.9 | 102 | 70-130 | |
| Tetrahydrofuran | ug/L | 500 | 483 | 97 | 70-130 | |
| Toluene | ug/L | 50 | 50.4 | 101 | 70-130 | |
| TOTAL BTEX | ug/L | | 308 | | | |
| trans-1,2-Dichloroethene | ug/L | 50 | 50.5 | 101 | 70-130 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 49.5 | 99 | 70-130 | |
| trans-1,4-Dichloro-2-butene | ug/L | 50 | 80.9 | 162 | 70-130 | F3,L0 |
| Trichloroethene | ug/L | 50 | 52.0 | 104 | 70-130 | |
| Trichlorofluoromethane | ug/L | 50 | 52.6 | 105 | 70-130 | |
| Vinyl acetate | ug/L | 100 | 107 | 107 | 70-130 | |
| Vinyl chloride | ug/L | 50 | 48.5 | 97 | 70-130 | |
| Xylene (Total) | ug/L | 150 | 153 | 102 | 70-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 102 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | 99 | 70-130 | |
| Toluene-d8 (S) | % | | | 98 | 70-130 | |

MATRIX SPIKE SAMPLE: 1796620

| Parameter | Units | 92307828002 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 20 | 20.8 | 104 | 70-130 | |
| 1,1,1-Trichloroethane | ug/L | ND | 20 | 23.2 | 116 | 70-130 | |

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## QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

MATRIX SPIKE SAMPLE: 1796620

| Parameter | Units | 92307828002 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 20 | 19.5 | 98 | 70-130 | |
| 1,1,2-Trichloroethane | ug/L | ND | 20 | 19.5 | 98 | 70-130 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 20 | 23.4 | 117 | 70-130 | |
| 1,1-Dichloroethane | ug/L | ND | 20 | 21.6 | 108 | 70-130 | |
| 1,1-Dichloroethene | ug/L | ND | 20 | 24.0 | 120 | 70-130 | |
| 1,1-Dichloropropene | ug/L | ND | 20 | 21.3 | 106 | 70-130 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 20 | 20.3 | 101 | 70-130 | |
| 1,2,3-Trichloropropane | ug/L | ND | 20 | 20.4 | 102 | 70-130 | |
| 1,2,3-Trimethylbenzene | ug/L | ND | 20 | 20.8 | 104 | 70-130 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 20 | 19.5 | 97 | 70-130 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 20 | 21.2 | 106 | 70-130 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 20 | 20.2 | 101 | 70-130 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 20 | 21.7 | 108 | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | ND | 20 | 21.6 | 108 | 70-130 | |
| 1,2-Dichloroethane | ug/L | ND | 20 | 19.4 | 97 | 70-130 | |
| 1,2-Dichloropropane | ug/L | ND | 20 | 20.6 | 103 | 70-130 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 20 | 20.7 | 104 | 70-130 | |
| 1,3-Dichlorobenzene | ug/L | ND | 20 | 21.2 | 106 | 70-130 | |
| 1,3-Dichloropropane | ug/L | ND | 20 | 20.1 | 100 | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | ND | 20 | 20.6 | 103 | 70-130 | |
| 1,4-Dioxane (p-Dioxane) | ug/L | ND | 400 | 350 | 88 | 70-130 | |
| 2,2-Dichloropropane | ug/L | ND | 20 | 18.7 | 93 | 70-130 | |
| 2-Butanone (MEK) | ug/L | ND | 40 | 36.8 | 92 | 70-130 | |
| 2-Chloroethylvinyl ether | ug/L | ND | 40 | ND | 0 | 70-130 | M1 |
| 2-Chlorotoluene | ug/L | ND | 20 | 22.1 | 110 | 70-130 | |
| 2-Hexanone | ug/L | ND | 40 | 38.3 | 96 | 70-130 | |
| 3,3-Dimethyl-1-Butanol | ug/L | ND | 400 | 354 | 89 | 70-130 | |
| 4-Chlorotoluene | ug/L | ND | 20 | 21.4 | 107 | 70-130 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 40 | 37.4 | 93 | 70-130 | |
| Acetone | ug/L | ND | 40 | 39.8 | 99 | 70-130 | |
| Acetonitrile | ug/L | ND | 200 | 187 | 94 | 70-130 | |
| Acrolein | ug/L | ND | 100 | 119 | 119 | 70-130 | |
| Acrylonitrile | ug/L | ND | 100 | 98.8J | 99 | 70-130 | |
| Allyl chloride | ug/L | ND | 20 | 20.1J | 100 | 70-130 | |
| Benzene | ug/L | ND | 20 | 22.1 | 110 | 70-130 | |
| Bromobenzene | ug/L | ND | 20 | 21.0 | 105 | 70-130 | |
| Bromochloromethane | ug/L | ND | 20 | 20.8 | 104 | 70-130 | |
| Bromodichloromethane | ug/L | ND | 20 | 21.2 | 106 | 70-130 | |
| Bromoform | ug/L | ND | 20 | 17.8 | 89 | 70-130 | |
| Bromomethane | ug/L | ND | 20 | 13.9 | 70 | 70-130 | |
| Carbon disulfide | ug/L | ND | 20 | 22.5 | 113 | 70-130 | |
| Carbon tetrachloride | ug/L | ND | 20 | 28.7 | 143 | 70-130 | M1 |
| Chlorobenzene | ug/L | ND | 20 | 22.1 | 110 | 70-130 | |
| Chloroethane | ug/L | ND | 20 | 22.3 | 111 | 70-130 | |
| Chloroform | ug/L | ND | 20 | 20.7 | 103 | 70-130 | |
| Chloromethane | ug/L | ND | 20 | 15.2 | 76 | 70-130 | |
| Chloroprene | ug/L | ND | 20 | 22.7 | 114 | 70-130 | |

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## QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

MATRIX SPIKE SAMPLE: 1796620

| Parameter | Units | 92307828002 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | ug/L | ND | 20 | 21.6 | 108 | 70-130 | |
| cis-1,3-Dichloropropene | ug/L | ND | 20 | 19.2 | 96 | 70-130 | |
| cis-1,4-Dichloro-2-butene | ug/L | ND | 20 | 19.0 | 95 | 70-130 | |
| Cyclohexane | ug/L | ND | 20 | 23.8 | 119 | 70-130 | |
| Cyclohexanone | ug/L | ND | 1000 | 914 | 91 | | |
| Dibromochloromethane | ug/L | ND | 20 | 19.6 | 98 | 70-130 | |
| Dibromomethane | ug/L | ND | 20 | 19.5 | 97 | 70-130 | |
| Dichlorodifluoromethane | ug/L | ND | 20 | 21.0 | 105 | 70-130 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 20 | 19.1 | 96 | 70-130 | |
| Diisopropyl ether | ug/L | ND | 20 | 20.0 | 100 | 70-130 | |
| Ethanol | ug/L | ND | 800 | 883 | 110 | 70-130 | |
| Ethyl acetate | ug/L | ND | 40 | 22.2J | 55 | 70-130 | M1 |
| Ethyl methacrylate | ug/L | ND | 20 | 19.8 | 99 | 70-130 | |
| Ethyl-tert-butyl ether | ug/L | ND | 40 | 38.7 | 97 | 70-130 | |
| Ethylbenzene | ug/L | ND | 20 | 21.7 | 109 | 70-130 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 20 | 21.4 | 107 | 70-130 | |
| Iodomethane | ug/L | ND | 40 | 28.5 | 71 | 70-130 | |
| Isobutanol | ug/L | ND | 400 | 388 | 97 | 70-130 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 20 | 22.3 | 112 | 70-130 | |
| m&p-Xylene | ug/L | ND | 40 | 43.5 | 109 | 70-130 | |
| Methacrylonitrile | ug/L | ND | 200 | 193 | 96 | 70-130 | |
| Methyl acetate | ug/L | ND | 20 | 20.7 | 104 | 70-130 | |
| Methyl methacrylate | ug/L | ND | 20 | 19.3 | 97 | 70-130 | |
| Methyl-tert-butyl ether | ug/L | ND | 20 | 19.3 | 96 | 70-130 | |
| Methylcyclohexane | ug/L | ND | 20 | 22.4 | 112 | 70-130 | |
| Methylene Chloride | ug/L | ND | 20 | 23.1 | 116 | 70-130 | |
| n-Butylbenzene | ug/L | ND | 20 | 21.2 | 106 | 70-130 | |
| n-Hexane | ug/L | ND | 20 | 20.3 | 101 | 70-130 | |
| n-Propylbenzene | ug/L | ND | 20 | 21.3 | 106 | 70-130 | |
| Naphthalene | ug/L | ND | 20 | 18.7 | 94 | 70-130 | |
| o-Xylene | ug/L | ND | 20 | 21.5 | 107 | 70-130 | |
| p-Isopropyltoluene | ug/L | ND | 20 | 21.6 | 108 | 70-130 | |
| Pentachloroethane | ug/L | ND | | ND | | | |
| Propionitrile | ug/L | ND | 200 | 198 | 99 | 70-130 | |
| sec-Butylbenzene | ug/L | ND | 20 | 21.6 | 108 | 70-130 | |
| Styrene | ug/L | ND | 20 | 21.2 | 106 | 70-130 | |
| tert-Amyl Alcohol | ug/L | ND | 400 | 356 | 89 | 70-130 | |
| tert-Amylmethyl ether | ug/L | ND | 40 | 37.6 | 94 | 70-130 | |
| tert-Butyl Alcohol | ug/L | ND | 200 | 266 | 133 | 70-130 | M1 |
| tert-Butyl Formate | ug/L | ND | 160 | ND | 0 | 70-130 | P5 |
| tert-Butylbenzene | ug/L | ND | 20 | 17.5 | 87 | 70-130 | |
| Tetrachloroethene | ug/L | ND | 20 | 21.0 | 105 | 70-130 | |
| Tetrahydrofuran | ug/L | ND | 200 | 192 | 96 | 70-130 | |
| Toluene | ug/L | ND | 20 | 21.4 | 107 | 70-130 | |
| trans-1,2-Dichloroethene | ug/L | ND | 20 | 21.9 | 110 | 70-130 | |
| trans-1,3-Dichloropropene | ug/L | ND | 20 | 18.3 | 91 | 70-130 | |
| trans-1,4-Dichloro-2-butene | ug/L | ND | 20 | 17.4 | 87 | 70-130 | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

MATRIX SPIKE SAMPLE: 1796620

| Parameter | Units | 92307828002 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| Trichloroethene | ug/L | ND | 20 | 21.5 | 107 | 70-130 | |
| Trichlorofluoromethane | ug/L | ND | 20 | 24.0 | 120 | 70-130 | |
| Vinyl acetate | ug/L | ND | 40 | 35.2 | 88 | 70-130 | |
| Vinyl chloride | ug/L | ND | 20 | 20.7 | 103 | 70-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | | 101 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | | 102 | 70-130 | |
| Toluene-d8 (S) | % | | | | 98 | 70-130 | |

SAMPLE DUPLICATE: 1796621

| Parameter | Units | 92307763010 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | ND | | 30 | |
| 1,1,1-Trichloroethane | ug/L | ND | ND | | 30 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | ND | | 30 | |
| 1,1,2-Trichloroethane | ug/L | ND | ND | | 30 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | ND | | 30 | |
| 1,1-Dichloroethane | ug/L | ND | ND | | 30 | |
| 1,1-Dichloroethene | ug/L | ND | ND | | 30 | |
| 1,1-Dichloropropene | ug/L | ND | ND | | 30 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | ND | | 30 | |
| 1,2,3-Trichloropropane | ug/L | ND | ND | | 30 | |
| 1,2,3-Trimethylbenzene | ug/L | ND | ND | | 30 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | ND | | 30 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | ND | | 30 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | ND | | 30 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | ND | | 30 | |
| 1,2-Dichlorobenzene | ug/L | ND | ND | | 30 | |
| 1,2-Dichloroethane | ug/L | ND | ND | | 30 | |
| 1,2-Dichloroethene (Total) | ug/L | ND | ND | | 30 | |
| 1,2-Dichloropropane | ug/L | ND | ND | | 30 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | ND | | 30 | |
| 1,3-Dichlorobenzene | ug/L | ND | ND | | 30 | |
| 1,3-Dichloropropane | ug/L | ND | ND | | 30 | |
| 1,4-Dichlorobenzene | ug/L | ND | ND | | 30 | |
| 1,4-Dioxane (p-Dioxane) | ug/L | ND | ND | | 30 | |
| 2,2-Dichloropropane | ug/L | ND | ND | | 30 | |
| 2-Butanone (MEK) | ug/L | ND | ND | | 30 | |
| 2-Chloroethylvinyl ether | ug/L | ND | ND | | 30 | |
| 2-Chlorotoluene | ug/L | ND | ND | | 30 | |
| 2-Hexanone | ug/L | ND | ND | | 30 | |
| 3,3-Dimethyl-1-Butanol | ug/L | ND | ND | | 30 | |
| 4-Chlorotoluene | ug/L | ND | ND | | 30 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | ND | | 30 | |
| Acetone | ug/L | ND | ND | | 30 | |
| Acetonitrile | ug/L | ND | ND | | 30 | |

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## QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

SAMPLE DUPLICATE: 1796621

| Parameter | Units | 92307763010 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Acrolein | ug/L | ND | ND | | 30 | |
| Acrylonitrile | ug/L | ND | ND | | 30 | |
| Allyl chloride | ug/L | ND | ND | | 30 | |
| Benzene | ug/L | ND | ND | | 30 | |
| Bromobenzene | ug/L | ND | ND | | 30 | |
| Bromochloromethane | ug/L | ND | ND | | 30 | |
| Bromodichloromethane | ug/L | ND | ND | | 30 | |
| Bromoform | ug/L | ND | ND | | 30 | |
| Bromomethane | ug/L | ND | ND | | 30 | |
| Carbon disulfide | ug/L | ND | ND | | 30 | |
| Carbon tetrachloride | ug/L | ND | ND | | 30 | |
| Chlorobenzene | ug/L | ND | ND | | 30 | |
| Chloroethane | ug/L | ND | ND | | 30 | |
| Chloroform | ug/L | ND | ND | | 30 | |
| Chloromethane | ug/L | ND | ND | | 30 | |
| Chloroprene | ug/L | ND | ND | | 30 | |
| cis-1,2-Dichloroethene | ug/L | ND | ND | | 30 | |
| cis-1,3-Dichloropropene | ug/L | ND | ND | | 30 | |
| cis-1,4-Dichloro-2-butene | ug/L | ND | ND | | 30 | |
| Cyclohexane | ug/L | ND | ND | | 30 | |
| Cyclohexanone | ug/L | ND | ND | | | |
| Dibromochloromethane | ug/L | ND | ND | | 30 | |
| Dibromomethane | ug/L | ND | ND | | 30 | |
| Dichlorodifluoromethane | ug/L | ND | ND | | 30 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | ND | | 30 | |
| Diisopropyl ether | ug/L | ND | ND | | 30 | |
| Ethanol | ug/L | ND | ND | | 30 | |
| Ethyl acetate | ug/L | ND | ND | | 30 | |
| Ethyl methacrylate | ug/L | ND | ND | | 30 | |
| Ethyl-tert-butyl ether | ug/L | ND | ND | | 30 | |
| Ethylbenzene | ug/L | ND | ND | | 30 | |
| Hexachloro-1,3-butadiene | ug/L | ND | ND | | 30 | |
| Iodomethane | ug/L | ND | ND | | 30 | |
| Isobutanol | ug/L | ND | ND | | 30 | |
| Isopropylbenzene (Cumene) | ug/L | ND | ND | | 30 | |
| m&p-Xylene | ug/L | ND | ND | | 30 | |
| Methacrylonitrile | ug/L | ND | ND | | 30 | |
| Methyl acetate | ug/L | ND | ND | | 30 | |
| Methyl methacrylate | ug/L | ND | ND | | 30 | |
| Methyl-tert-butyl ether | ug/L | ND | ND | | 30 | |
| Methylcyclohexane | ug/L | ND | ND | | 30 | |
| Methylene Chloride | ug/L | ND | ND | | 30 | |
| n-Butylbenzene | ug/L | ND | ND | | 30 | |
| n-Hexane | ug/L | ND | ND | | 30 | |
| n-Propylbenzene | ug/L | ND | ND | | 30 | |
| Naphthalene | ug/L | ND | ND | | 30 | |
| o-Xylene | ug/L | ND | ND | | 30 | |

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## QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

SAMPLE DUPLICATE: 1796621

| Parameter | Units | 92307763010 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| p-Isopropyltoluene | ug/L | ND | ND | | 30 | |
| Pentachloroethane | ug/L | ND | ND | | 30 | |
| Propionitrile | ug/L | ND | ND | | 30 | |
| sec-Butylbenzene | ug/L | ND | ND | | 30 | |
| Styrene | ug/L | ND | ND | | 30 | |
| tert-Amyl Alcohol | ug/L | ND | ND | | 30 | |
| tert-Amylmethyl ether | ug/L | ND | ND | | 30 | |
| tert-Butyl Alcohol | ug/L | ND | ND | | 30 | |
| tert-Butyl Formate | ug/L | ND | ND | | 30 | |
| tert-Butylbenzene | ug/L | ND | ND | | 30 | |
| Tetrachloroethene | ug/L | ND | ND | | 30 | |
| Tetrahydrofuran | ug/L | ND | ND | | 30 | |
| Toluene | ug/L | ND | ND | | 30 | |
| TOTAL BTEX | ug/L | ND | ND | | 30 | |
| trans-1,2-Dichloroethene | ug/L | ND | ND | | 30 | |
| trans-1,3-Dichloropropene | ug/L | ND | ND | | 30 | |
| trans-1,4-Dichloro-2-butene | ug/L | ND | ND | | 30 | |
| Trichloroethene | ug/L | ND | ND | | 30 | |
| Trichlorofluoromethane | ug/L | ND | ND | | 30 | |
| Vinyl acetate | ug/L | ND | ND | | 30 | |
| Vinyl chloride | ug/L | ND | ND | | 30 | |
| Xylene (Total) | ug/L | ND | ND | | 30 | |
| 1,2-Dichloroethane-d4 (S) | % | 95 | 95 | 1 | | |
| 4-Bromofluorobenzene (S) | % | 101 | 101 | 0 | | |
| Toluene-d8 (S) | % | 103 | 102 | 1 | | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

QC Batch: 324108 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92307801001, 92307801002, 92307801003, 92307801004, 92307801005

METHOD BLANK: 1795898 Matrix: Solid
Associated Lab Samples: 92307801001, 92307801002, 92307801003, 92307801004, 92307801005

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | mg/kg | ND | 0.0048 | 0.0020 | 08/07/16 11:42 | |
| 1,1,1-Trichloroethane | mg/kg | ND | 0.0048 | 0.0017 | 08/07/16 11:42 | |
| 1,1,2,2-Tetrachloroethane | mg/kg | ND | 0.0048 | 0.0018 | 08/07/16 11:42 | |
| 1,1,2-Trichloroethane | mg/kg | ND | 0.0048 | 0.0020 | 08/07/16 11:42 | |
| 1,1,2-Trichlorotrifluoroethane | mg/kg | ND | 0.0048 | 0.0018 | 08/07/16 11:42 | |
| 1,1-Dichloroethane | mg/kg | ND | 0.0048 | 0.0015 | 08/07/16 11:42 | |
| 1,1-Dichloroethene | mg/kg | ND | 0.0048 | 0.0017 | 08/07/16 11:42 | |
| 1,1-Dichloropropene | mg/kg | ND | 0.0048 | 0.0015 | 08/07/16 11:42 | |
| 1,2,3-Trichlorobenzene | mg/kg | ND | 0.0048 | 0.0021 | 08/07/16 11:42 | |
| 1,2,3-Trichloropropane | mg/kg | ND | 0.0048 | 0.0015 | 08/07/16 11:42 | |
| 1,2,3-Trimethylbenzene | mg/kg | ND | 0.0048 | 0.0016 | 08/07/16 11:42 | |
| 1,2,4-Trichlorobenzene | mg/kg | ND | 0.0048 | 0.0015 | 08/07/16 11:42 | |
| 1,2,4-Trimethylbenzene | mg/kg | ND | 0.0048 | 0.0019 | 08/07/16 11:42 | |
| 1,2-Dibromo-3-chloropropane | mg/kg | ND | 0.0048 | 0.0035 | 08/07/16 11:42 | |
| 1,2-Dibromoethane (EDB) | mg/kg | ND | 0.0048 | 0.0017 | 08/07/16 11:42 | |
| 1,2-Dichlorobenzene | mg/kg | ND | 0.0048 | 0.0018 | 08/07/16 11:42 | |
| 1,2-Dichloroethane | mg/kg | ND | 0.0048 | 0.0021 | 08/07/16 11:42 | |
| 1,2-Dichloroethene (Total) | mg/kg | ND | 0.0048 | 0.0048 | 08/07/16 11:42 | |
| 1,2-Dichloropropane | mg/kg | ND | 0.0048 | 0.0016 | 08/07/16 11:42 | |
| 1,3,5-Trimethylbenzene | mg/kg | ND | 0.0048 | 0.0017 | 08/07/16 11:42 | |
| 1,3-Dichlorobenzene | mg/kg | ND | 0.0048 | 0.0019 | 08/07/16 11:42 | |
| 1,3-Dichloropropane | mg/kg | ND | 0.0048 | 0.0018 | 08/07/16 11:42 | |
| 1,4-Dichlorobenzene | mg/kg | ND | 0.0048 | 0.0016 | 08/07/16 11:42 | |
| 1,4-Dioxane (p-Dioxane) | mg/kg | ND | 0.15 | 0.12 | 08/07/16 11:42 | |
| 2,2-Dichloropropane | mg/kg | ND | 0.0048 | 0.0016 | 08/07/16 11:42 | |
| 2-Butanone (MEK) | mg/kg | ND | 0.097 | 0.0028 | 08/07/16 11:42 | |
| 2-Chlorotoluene | mg/kg | ND | 0.0048 | 0.0016 | 08/07/16 11:42 | |
| 2-Hexanone | mg/kg | ND | 0.048 | 0.0038 | 08/07/16 11:42 | |
| 3,3-Dimethyl-1-Butanol | mg/kg | ND | 0.097 | 0.027 | 08/07/16 11:42 | |
| 4-Chlorotoluene | mg/kg | ND | 0.0048 | 0.0017 | 08/07/16 11:42 | |
| 4-Methyl-2-pentanone (MIBK) | mg/kg | ND | 0.048 | 0.0036 | 08/07/16 11:42 | |
| Acetone | mg/kg | ND | 0.097 | 0.0097 | 08/07/16 11:42 | |
| Acetonitrile | mg/kg | ND | 0.048 | 0.025 | 08/07/16 11:42 | |
| Acrolein | mg/kg | ND | 0.097 | 0.014 | 08/07/16 11:42 | |
| Acrylonitrile | mg/kg | ND | 0.097 | 0.025 | 08/07/16 11:42 | |
| Allyl chloride | mg/kg | ND | 0.048 | 0.0015 | 08/07/16 11:42 | |
| Benzene | mg/kg | ND | 0.0048 | 0.0015 | 08/07/16 11:42 | |
| Bromobenzene | mg/kg | ND | 0.0048 | 0.0019 | 08/07/16 11:42 | |
| Bromochloromethane | mg/kg | ND | 0.0048 | 0.0016 | 08/07/16 11:42 | |
| Bromodichloromethane | mg/kg | ND | 0.0048 | 0.0018 | 08/07/16 11:42 | |
| Bromoform | mg/kg | ND | 0.0048 | 0.0022 | 08/07/16 11:42 | |

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## QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

METHOD BLANK: 1795898 Matrix: Solid
Associated Lab Samples: 92307801001, 92307801002, 92307801003, 92307801004, 92307801005

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|---|---|---|---|---|---|---|
| Bromomethane | mg/kg | ND | 0.0097 | 0.0024 | 08/07/16 11:42 | |
| Carbon disulfide | mg/kg | ND | 0.0097 | 0.0029 | 08/07/16 11:42 | |
| Carbon tetrachloride | mg/kg | ND | 0.0048 | 0.0025 | 08/07/16 11:42 | |
| Chlorobenzene | mg/kg | ND | 0.0048 | 0.0018 | 08/07/16 11:42 | |
| Chloroethane | mg/kg | ND | 0.0097 | 0.0023 | 08/07/16 11:42 | |
| Chloroform | mg/kg | ND | 0.0048 | 0.0015 | 08/07/16 11:42 | |
| Chloromethane | mg/kg | ND | 0.0097 | 0.0023 | 08/07/16 11:42 | |
| Chloroprene | mg/kg | ND | 0.0097 | 0.0097 | 08/07/16 11:42 | |
| cis-1,2-Dichloroethene | mg/kg | ND | 0.0048 | 0.0014 | 08/07/16 11:42 | |
| cis-1,3-Dichloropropene | mg/kg | ND | 0.0048 | 0.0017 | 08/07/16 11:42 | |
| cis-1,4-Dichloro-2-butene | mg/kg | ND | 0.0048 | 0.0026 | 08/07/16 11:42 | |
| Cyclohexane | mg/kg | ND | 0.0048 | 0.0015 | 08/07/16 11:42 | |
| Cyclohexanone | mg/kg | ND | 0.24 | 0.0048 | 08/07/16 11:42 | |
| Dibromochloromethane | mg/kg | ND | 0.0048 | 0.0017 | 08/07/16 11:42 | |
| Dibromomethane | mg/kg | ND | 0.0048 | 0.0024 | 08/07/16 11:42 | |
| Dichlorodifluoromethane | mg/kg | ND | 0.0097 | 0.0035 | 08/07/16 11:42 | |
| Diethyl ether (Ethyl ether) | mg/kg | ND | 0.0048 | 0.0016 | 08/07/16 11:42 | |
| Diisopropyl ether | mg/kg | ND | 0.0048 | 0.0016 | 08/07/16 11:42 | |
| Ethanol | mg/kg | ND | 0.19 | 0.060 | 08/07/16 11:42 | |
| Ethyl acetate | mg/kg | ND | 0.097 | 0.097 | 08/07/16 11:42 | |
| Ethyl methacrylate | mg/kg | ND | 0.0048 | 0.0021 | 08/07/16 11:42 | |
| Ethyl-tert-butyl ether | mg/kg | ND | 0.0097 | 0.0014 | 08/07/16 11:42 | |
| Ethylbenzene | mg/kg | ND | 0.0048 | 0.0017 | 08/07/16 11:42 | |
| Hexachloro-1,3-butadiene | mg/kg | ND | 0.0048 | 0.0019 | 08/07/16 11:42 | |
| Iodomethane | mg/kg | ND | 0.0097 | 0.0096 | 08/07/16 11:42 | |
| Isobutanol | mg/kg | ND | 0.097 | 0.053 | 08/07/16 11:42 | |
| Isopropylbenzene (Cumene) | mg/kg | ND | 0.0048 | 0.0018 | 08/07/16 11:42 | |
| m&p-Xylene | mg/kg | ND | 0.0097 | 0.0035 | 08/07/16 11:42 | |
| Methacrylonitrile | mg/kg | ND | 0.048 | 0.016 | 08/07/16 11:42 | |
| Methyl acetate | mg/kg | ND | 0.0097 | 0.0014 | 08/07/16 11:42 | |
| Methyl methacrylate | mg/kg | ND | 0.0048 | 0.0018 | 08/07/16 11:42 | |
| Methyl-tert-butyl ether | mg/kg | ND | 0.0048 | 0.0015 | 08/07/16 11:42 | |
| Methylcyclohexane | mg/kg | ND | 0.0097 | 0.0015 | 08/07/16 11:42 | |
| Methylene Chloride | mg/kg | ND | 0.019 | 0.0029 | 08/07/16 11:42 | |
| n-Butylbenzene | mg/kg | ND | 0.0048 | 0.0017 | 08/07/16 11:42 | |
| n-Hexane | mg/kg | ND | 0.0048 | 0.0029 | 08/07/16 11:42 | |
| n-Propylbenzene | mg/kg | ND | 0.0048 | 0.0016 | 08/07/16 11:42 | |
| Naphthalene | mg/kg | ND | 0.0048 | 0.0012 | 08/07/16 11:42 | |
| o-Xylene | mg/kg | ND | 0.0048 | 0.0018 | 08/07/16 11:42 | |
| p-Isopropyltoluene | mg/kg | ND | 0.0048 | 0.0016 | 08/07/16 11:42 | |
| Pentachloroethane | mg/kg | ND | 0.0048 | 0.0048 | 08/07/16 11:42 | |
| Propionitrile | mg/kg | ND | 0.048 | 0.017 | 08/07/16 11:42 | |
| sec-Butylbenzene | mg/kg | ND | 0.0048 | 0.0015 | 08/07/16 11:42 | |
| Styrene | mg/kg | ND | 0.0048 | 0.0017 | 08/07/16 11:42 | |
| tert-Amyl Alcohol | mg/kg | ND | 0.097 | 0.020 | 08/07/16 11:42 | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

METHOD BLANK: 1795898 Matrix: Solid
Associated Lab Samples: 92307801001, 92307801002, 92307801003, 92307801004, 92307801005

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|---|---|---|---|---|---|---|
| tert-Amylmethyl ether | mg/kg | ND | 0.0097 | 0.0011 | 08/07/16 11:42 | |
| tert-Butyl Alcohol | mg/kg | ND | 0.097 | 0.018 | 08/07/16 11:42 | |
| tert-Butyl Formate | mg/kg | ND | 0.048 | 0.0014 | 08/07/16 11:42 | |
| tert-Butylbenzene | mg/kg | ND | 0.0048 | 0.0019 | 08/07/16 11:42 | |
| Tetrachloroethene | mg/kg | ND | 0.0048 | 0.0016 | 08/07/16 11:42 | |
| Tetrahydrofuran | mg/kg | ND | 0.048 | 0.027 | 08/07/16 11:42 | |
| Toluene | mg/kg | ND | 0.0048 | 0.0017 | 08/07/16 11:42 | |
| TOTAL BTEX | mg/kg | ND | 0.0048 | 0.0048 | 08/07/16 11:42 | |
| trans-1,2-Dichloroethene | mg/kg | ND | 0.0048 | 0.0018 | 08/07/16 11:42 | |
| trans-1,3-Dichloropropene | mg/kg | ND | 0.0048 | 0.0015 | 08/07/16 11:42 | |
| trans-1,4-Dichloro-2-butene | mg/kg | ND | 0.0048 | 0.0035 | 08/07/16 11:42 | |
| Trichloroethene | mg/kg | ND | 0.0048 | 0.0020 | 08/07/16 11:42 | |
| Trichlorofluoromethane | mg/kg | ND | 0.0048 | 0.0021 | 08/07/16 11:42 | |
| Vinyl acetate | mg/kg | ND | 0.048 | 0.0085 | 08/07/16 11:42 | |
| Vinyl chloride | mg/kg | ND | 0.0097 | 0.0017 | 08/07/16 11:42 | |
| Xylene (Total) | mg/kg | ND | 0.0097 | 0.0035 | 08/07/16 11:42 | |
| 1,2-Dichloroethane-d4 (S) | % | 101 | 70-130 | | 08/07/16 11:42 | |
| 4-Bromofluorobenzene (S) | % | 105 | 70-130 | | 08/07/16 11:42 | |
| Toluene-d8 (S) | % | 100 | 70-130 | | 08/07/16 11:42 | |

LABORATORY CONTROL SAMPLE: 1795899

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | mg/kg | .05 | 0.052 | 105 | 70-130 | |
| 1,1,1-Trichloroethane | mg/kg | .05 | 0.052 | 105 | 70-130 | |
| 1,1,2,2-Tetrachloroethane | mg/kg | .05 | 0.043 | 86 | 70-130 | |
| 1,1,2-Trichloroethane | mg/kg | .05 | 0.050 | 99 | 70-130 | |
| 1,1,2-Trichlorotrifluoroethane | mg/kg | .05 | 0.056 | 112 | 70-130 | |
| 1,1-Dichloroethane | mg/kg | .05 | 0.046 | 92 | 70-130 | |
| 1,1-Dichloroethene | mg/kg | .05 | 0.045 | 90 | 70-130 | |
| 1,1-Dichloropropene | mg/kg | .05 | 0.045 | 89 | 70-130 | |
| 1,2,3-Trichlorobenzene | mg/kg | .05 | 0.054 | 108 | 70-130 | |
| 1,2,3-Trichloropropane | mg/kg | .05 | 0.054 | 107 | 70-130 | |
| 1,2,3-Trimethylbenzene | mg/kg | .05 | 0.054 | 107 | 70-130 | |
| 1,2,4-Trichlorobenzene | mg/kg | .05 | 0.053 | 106 | 70-130 | |
| 1,2,4-Trimethylbenzene | mg/kg | .05 | 0.050 | 100 | 70-130 | |
| 1,2-Dibromo-3-chloropropane | mg/kg | .05 | 0.047 | 94 | 70-130 | |
| 1,2-Dibromoethane (EDB) | mg/kg | .05 | 0.054 | 108 | 70-130 | |
| 1,2-Dichlorobenzene | mg/kg | .05 | 0.051 | 102 | 70-130 | |
| 1,2-Dichloroethane | mg/kg | .05 | 0.050 | 101 | 70-130 | |
| 1,2-Dichloroethene (Total) | mg/kg | .1 | 0.089 | 88 | 70-130 | |
| 1,2-Dichloropropane | mg/kg | .05 | 0.043 | 86 | 70-130 | |
| 1,3,5-Trimethylbenzene | mg/kg | .05 | 0.050 | 99 | 70-130 | |
| 1,3-Dichlorobenzene | mg/kg | .05 | 0.049 | 97 | 70-130 | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

LABORATORY CONTROL SAMPLE: 1795899

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1,3-Dichloropropane | mg/kg | .05 | 0.047 | 94 | 70-130 | |
| 1,4-Dichlorobenzene | mg/kg | .05 | 0.050 | 100 | 70-130 | |
| 1,4-Dioxane (p-Dioxane) | mg/kg | 1 | 0.90 | 90 | 70-130 | |
| 2,2-Dichloropropane | mg/kg | .05 | 0.050 | 100 | 70-130 | |
| 2-Butanone (MEK) | mg/kg | .1 | 0.090J | 90 | 70-130 | |
| 2-Chlorotoluene | mg/kg | .05 | 0.050 | 100 | 70-130 | |
| 2-Hexanone | mg/kg | .1 | 0.094 | 94 | 70-130 | |
| 3,3-Dimethyl-1-Butanol | mg/kg | 1 | 0.83 | 83 | 70-130 | |
| 4-Chlorotoluene | mg/kg | .05 | 0.047 | 94 | 70-130 | |
| 4-Methyl-2-pentanone (MIBK) | mg/kg | .1 | 0.095 | 94 | 70-130 | |
| Acetone | mg/kg | .1 | 0.097J | 97 | 70-130 | |
| Acetonitrile | mg/kg | .5 | 0.42 | 83 | 70-130 | |
| Acrolein | mg/kg | .25 | 0.12 | 48 | 70-130 | L0 |
| Acrylonitrile | mg/kg | .25 | 0.22 | 89 | 70-130 | |
| Allyl chloride | mg/kg | .05 | 0.048J | 96 | 70-130 | |
| Benzene | mg/kg | .05 | 0.048 | 95 | 70-130 | |
| Bromobenzene | mg/kg | .05 | 0.048 | 96 | 70-130 | |
| Bromochloromethane | mg/kg | .05 | 0.048 | 96 | 70-130 | |
| Bromodichloromethane | mg/kg | .05 | 0.054 | 108 | 70-130 | |
| Bromoform | mg/kg | .05 | 0.056 | 111 | 70-130 | |
| Bromomethane | mg/kg | .05 | 0.050 | 99 | 70-130 | |
| Carbon disulfide | mg/kg | .05 | 0.049 | 98 | 70-130 | |
| Carbon tetrachloride | mg/kg | .05 | 0.055 | 110 | 70-130 | |
| Chlorobenzene | mg/kg | .05 | 0.051 | 101 | 70-130 | |
| Chloroethane | mg/kg | .05 | 0.049 | 97 | 70-130 | |
| Chloroform | mg/kg | .05 | 0.048 | 96 | 70-130 | |
| Chloromethane | mg/kg | .05 | 0.041 | 81 | 70-130 | |
| Chloroprene | mg/kg | .05 | 0.049 | 98 | 70-130 | |
| cis-1,2-Dichloroethene | mg/kg | .05 | 0.044 | 87 | 70-130 | |
| cis-1,3-Dichloropropene | mg/kg | .05 | 0.050 | 100 | 70-130 | |
| cis-1,4-Dichloro-2-butene | mg/kg | .05 | 0.053 | 105 | 70-130 | |
| Cyclohexane | mg/kg | .05 | 0.045 | 90 | 70-130 | |
| Cyclohexanone | mg/kg | 2.5 | 3.2 | 129 | 70-130 | |
| Dibromochloromethane | mg/kg | .05 | 0.057 | 113 | 70-130 | |
| Dibromomethane | mg/kg | .05 | 0.053 | 105 | 70-130 | |
| Dichlorodifluoromethane | mg/kg | .05 | 0.049 | 98 | 70-130 | |
| Diethyl ether (Ethyl ether) | mg/kg | .05 | 0.046 | 92 | 70-130 | |
| Diisopropyl ether | mg/kg | .05 | 0.046 | 92 | 70-130 | |
| Ethanol | mg/kg | 2 | 1.7 | 85 | 70-130 | |
| Ethyl acetate | mg/kg | .1 | ND | 94 | 70-130 | |
| Ethyl methacrylate | mg/kg | .05 | 0.048 | 96 | 70-130 | |
| Ethyl-tert-butyl ether | mg/kg | .1 | 0.10 | 102 | 70-130 | |
| Ethylbenzene | mg/kg | .05 | 0.050 | 100 | 70-130 | |
| Hexachloro-1,3-butadiene | mg/kg | .05 | 0.054 | 107 | 70-130 | |
| Iodomethane | mg/kg | .1 | 0.099 | 99 | 70-130 | |
| Isobutanol | mg/kg | 1 | 0.80 | 80 | 70-130 | |
| Isopropylbenzene (Cumene) | mg/kg | .05 | 0.051 | 101 | 70-130 | |

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# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

LABORATORY CONTROL SAMPLE: 1795899

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| m&p-Xylene | mg/kg | .1 | 0.10 | 102 | 70-130 | |
| Methacrylonitrile | mg/kg | .5 | 0.45 | 90 | 70-130 | |
| Methyl acetate | mg/kg | .05 | 0.041 | 82 | 70-130 | |
| Methyl methacrylate | mg/kg | .05 | 0.049 | 97 | 70-130 | |
| Methyl-tert-butyl ether | mg/kg | .05 | 0.053 | 105 | 70-130 | |
| Methylcyclohexane | mg/kg | .05 | 0.051 | 103 | 70-130 | |
| Methylene Chloride | mg/kg | .05 | 0.042 | 85 | 70-130 | |
| n-Butylbenzene | mg/kg | .05 | 0.048 | 95 | 70-130 | |
| n-Hexane | mg/kg | .05 | 0.044 | 88 | 70-130 | |
| n-Propylbenzene | mg/kg | .05 | 0.046 | 93 | 70-130 | |
| Naphthalene | mg/kg | .05 | 0.050 | 100 | 70-130 | |
| o-Xylene | mg/kg | .05 | 0.049 | 99 | 70-130 | |
| p-Isopropyltoluene | mg/kg | .05 | 0.051 | 101 | 70-130 | |
| Pentachloroethane | mg/kg | | ND | | | |
| Propionitrile | mg/kg | .5 | 0.42 | 83 | 70-130 | |
| sec-Butylbenzene | mg/kg | .05 | 0.047 | 94 | 70-130 | |
| Styrene | mg/kg | .05 | 0.049 | 99 | 70-130 | |
| tert-Amyl Alcohol | mg/kg | 1 | 0.85 | 85 | 70-130 | |
| tert-Amylmethyl ether | mg/kg | .1 | 0.10 | 102 | 70-130 | |
| tert-Butyl Alcohol | mg/kg | .5 | 0.52 | 104 | 70-130 | |
| tert-Butyl Formate | mg/kg | .4 | 0.31 | 77 | 70-130 | |
| tert-Butylbenzene | mg/kg | .05 | 0.045 | 89 | 70-130 | |
| Tetrachloroethene | mg/kg | .05 | 0.047 | 93 | 70-130 | |
| Tetrahydrofuran | mg/kg | .5 | 0.41 | 81 | 70-130 | |
| Toluene | mg/kg | .05 | 0.049 | 98 | 70-130 | |
| TOTAL BTEX | mg/kg | | 0.30 | | | |
| trans-1,2-Dichloroethene | mg/kg | .05 | 0.045 | 89 | 70-130 | |
| trans-1,3-Dichloropropene | mg/kg | .05 | 0.053 | 105 | 70-130 | |
| trans-1,4-Dichloro-2-butene | mg/kg | .05 | 0.062 | 124 | 70-130 | |
| Trichloroethene | mg/kg | .05 | 0.053 | 105 | 70-130 | |
| Trichlorofluoromethane | mg/kg | .05 | 0.052 | 104 | 70-130 | |
| Vinyl acetate | mg/kg | .1 | 0.094 | 94 | 70-130 | |
| Vinyl chloride | mg/kg | .05 | 0.047 | 93 | 70-130 | |
| Xylene (Total) | mg/kg | .15 | 0.15 | 101 | 70-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 103 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | 109 | 70-130 | |
| Toluene-d8 (S) | % | | | 99 | 70-130 | |

MATRIX SPIKE SAMPLE: 1795955

| Parameter | Units | 92307932001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | mg/kg | ND | .02 | 0.018 | 88 | 70-130 | |
| 1,1,1-Trichloroethane | mg/kg | ND | .02 | 0.018 | 89 | 70-130 | |
| 1,1,2,2-Tetrachloroethane | mg/kg | ND | .02 | 0.015 | 74 | 70-130 | |
| 1,1,2-Trichloroethane | mg/kg | ND | .02 | 0.017 | 83 | 70-130 | |

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## QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

MATRIX SPIKE SAMPLE: 1795955

| Parameter | Units | 92307932001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| 1,1,2-Trichlorotrifluoroethane | mg/kg | ND | .02 | 0.020 | 98 | 70-130 | |
| 1,1-Dichloroethane | mg/kg | ND | .02 | 0.018 | 89 | 70-130 | |
| 1,1-Dichloroethene | mg/kg | ND | .02 | 0.017 | 82 | 70-130 | |
| 1,1-Dichloropropene | mg/kg | ND | .02 | 0.015 | 76 | 70-130 | |
| 1,2,3-Trichlorobenzene | mg/kg | ND | .02 | 0.0072 | 35 | 70-130 | M1 |
| 1,2,3-Trichloropropane | mg/kg | ND | .02 | 0.019 | 95 | 70-130 | |
| 1,2,3-Trimethylbenzene | mg/kg | ND | .02 | 0.015 | 76 | 70-130 | |
| 1,2,4-Trichlorobenzene | mg/kg | ND | .02 | 0.0081 | 40 | 70-130 | M1 |
| 1,2,4-Trimethylbenzene | mg/kg | ND | .02 | 0.014 | 71 | 70-130 | |
| 1,2-Dibromo-3-chloropropane | mg/kg | ND | .02 | 0.016 | 78 | 70-130 | |
| 1,2-Dibromoethane (EDB) | mg/kg | ND | .02 | 0.019 | 92 | 70-130 | |
| 1,2-Dichlorobenzene | mg/kg | ND | .02 | 0.013 | 64 | 70-130 | M1 |
| 1,2-Dichloroethane | mg/kg | ND | .02 | 0.020 | 98 | 70-130 | |
| 1,2-Dichloropropane | mg/kg | ND | .02 | 0.015 | 76 | 70-130 | |
| 1,3,5-Trimethylbenzene | mg/kg | ND | .02 | 0.014 | 68 | 70-130 | M1 |
| 1,3-Dichlorobenzene | mg/kg | ND | .02 | 0.013 | 62 | 70-130 | M1 |
| 1,3-Dichloropropane | mg/kg | ND | .02 | 0.017 | 84 | 70-130 | |
| 1,4-Dichlorobenzene | mg/kg | ND | .02 | 0.012 | 61 | 70-130 | M1 |
| 1,4-Dioxane (p-Dioxane) | mg/kg | ND | .41 | 0.43 | 105 | 70-130 | |
| 2,2-Dichloropropane | mg/kg | ND | .02 | 0.018 | 90 | 70-130 | |
| 2-Butanone (MEK) | mg/kg | ND | .041 | 0.022J | 55 | 70-130 | M1 |
| 2-Chlorotoluene | mg/kg | ND | .02 | 0.015 | 72 | 70-130 | |
| 2-Hexanone | mg/kg | ND | .041 | 0.036J | 88 | 70-130 | |
| 3,3-Dimethyl-1-Butanol | mg/kg | ND | .41 | 0.19 | 48 | 70-130 | M1 |
| 4-Chlorotoluene | mg/kg | ND | .02 | 0.013 | 66 | 70-130 | M1 |
| 4-Methyl-2-pentanone (MIBK) | mg/kg | ND | .041 | 0.035J | 86 | 70-130 | |
| Acetone | mg/kg | ND | .041 | 0.054J | 134 | 70-130 | M1 |
| Acetonitrile | mg/kg | ND | .2 | 0.17 | 82 | 70-130 | |
| Acrolein | mg/kg | ND | .1 | 0.047J | 46 | 70-130 | M0 |
| Acrylonitrile | mg/kg | ND | .1 | 0.078J | 76 | 70-130 | |
| Allyl chloride | mg/kg | ND | .02 | 0.015J | 76 | 70-130 | |
| Benzene | mg/kg | ND | .02 | 0.017 | 84 | 70-130 | |
| Bromobenzene | mg/kg | ND | .02 | 0.014 | 69 | 70-130 | M1 |
| Bromochloromethane | mg/kg | ND | .02 | 0.019 | 95 | 70-130 | |
| Bromodichloromethane | mg/kg | ND | .02 | 0.019 | 91 | 70-130 | |
| Bromoform | mg/kg | ND | .02 | 0.018 | 90 | 70-130 | |
| Bromomethane | mg/kg | ND | .02 | 0.018 | 89 | 70-130 | |
| Carbon disulfide | mg/kg | ND | .02 | 0.017 | 82 | 70-130 | |
| Carbon tetrachloride | mg/kg | ND | .02 | 0.018 | 91 | 70-130 | |
| Chlorobenzene | mg/kg | ND | .02 | 0.016 | 78 | 70-130 | |
| Chloroethane | mg/kg | ND | .02 | 0.018 | 87 | 70-130 | |
| Chloroform | mg/kg | ND | .02 | 0.019 | 95 | 70-130 | |
| Chloromethane | mg/kg | ND | .02 | 0.015 | 76 | 70-130 | |
| Chloroprene | mg/kg | ND | .02 | 0.017 | 82 | 70-130 | |
| cis-1,2-Dichloroethene | mg/kg | ND | .02 | 0.017 | 84 | 70-130 | |
| cis-1,3-Dichloropropene | mg/kg | ND | .02 | 0.017 | 83 | 70-130 | |
| cis-1,4-Dichloro-2-butene | mg/kg | ND | .02 | 0.015 | 74 | 70-130 | |

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## QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

MATRIX SPIKE SAMPLE: 1795955

| Parameter | Units | 92307932001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| Cyclohexane | mg/kg | ND | .02 | 0.014 | 68 | 70-130 | M1 |
| Cyclohexanone | mg/kg | ND | 1 | 1.6 | 154 | | |
| Dibromochloromethane | mg/kg | ND | .02 | 0.018 | 90 | 70-130 | |
| Dibromomethane | mg/kg | ND | .02 | 0.021 | 101 | 70-130 | |
| Dichlorodifluoromethane | mg/kg | ND | .02 | 0.018 | 89 | 70-130 | |
| Diethyl ether (Ethyl ether) | mg/kg | ND | .02 | 0.019 | 93 | 70-130 | |
| Diisopropyl ether | mg/kg | ND | .02 | 0.017 | 86 | 70-130 | |
| Ethanol | mg/kg | ND | .81 | 0.82 | 101 | 70-130 | |
| Ethyl acetate | mg/kg | ND | .041 | ND | 44 | 70-130 | M1 |
| Ethyl methacrylate | mg/kg | ND | .02 | 0.0043J | 21 | 70-130 | M1 |
| Ethyl-tert-butyl ether | mg/kg | ND | .041 | 0.039 | 96 | | |
| Ethylbenzene | mg/kg | ND | .02 | 0.016 | 78 | 70-130 | |
| Hexachloro-1,3-butadiene | mg/kg | ND | .02 | 0.0083 | 41 | 70-130 | M1 |
| Iodomethane | mg/kg | ND | .041 | 0.035 | 85 | 70-130 | |
| Isobutanol | mg/kg | ND | .41 | 0.30 | 73 | 70-130 | |
| Isopropylbenzene (Cumene) | mg/kg | ND | .02 | 0.015 | 75 | 70-130 | |
| m&p-Xylene | mg/kg | ND | .041 | 0.032 | 79 | 70-130 | |
| Methacrylonitrile | mg/kg | ND | .2 | 0.14 | 71 | 70-130 | |
| Methyl acetate | mg/kg | ND | .02 | 0.049 | 239 | 70-130 | M1 |
| Methyl methacrylate | mg/kg | ND | .02 | 0.026 | 126 | 70-130 | |
| Methyl-tert-butyl ether | mg/kg | ND | .02 | 0.020 | 100 | 70-130 | |
| Methylcyclohexane | mg/kg | ND | .02 | 0.016 | 78 | 70-130 | |
| Methylene Chloride | mg/kg | ND | .02 | 0.014J | 70 | 70-130 | |
| n-Butylbenzene | mg/kg | ND | .02 | 0.011 | 53 | 70-130 | M1 |
| n-Hexane | mg/kg | ND | .02 | 0.013 | 64 | 70-130 | M1 |
| n-Propylbenzene | mg/kg | ND | .02 | 0.014 | 66 | 70-130 | M1 |
| Naphthalene | mg/kg | ND | .02 | 0.011 | 54 | 70-130 | M1 |
| o-Xylene | mg/kg | ND | .02 | 0.016 | 80 | 70-130 | |
| p-Isopropyltoluene | mg/kg | ND | .02 | 0.013 | 63 | 70-130 | M1 |
| Pentachloroethane | mg/kg | ND | | ND | | | |
| Propionitrile | mg/kg | ND | .2 | 0.16 | 79 | 70-130 | |
| sec-Butylbenzene | mg/kg | ND | .02 | 0.012 | 61 | 70-130 | M1 |
| Styrene | mg/kg | ND | .02 | 0.015 | 73 | 70-130 | |
| tert-Amyl Alcohol | mg/kg | ND | .41 | 0.34 | 82 | 70-130 | |
| tert-Amylmethyl ether | mg/kg | ND | .041 | 0.039 | 96 | 70-130 | |
| tert-Butyl Alcohol | mg/kg | ND | .2 | 0.28 | 139 | 70-130 | M1 |
| tert-Butyl Formate | mg/kg | ND | .16 | 0.043J | 26 | 70-130 | M1 |
| tert-Butylbenzene | mg/kg | ND | .02 | 0.013 | 64 | 70-130 | M1 |
| Tetrachloroethene | mg/kg | ND | .02 | 0.015 | 73 | 70-130 | |
| Tetrahydrofuran | mg/kg | ND | .2 | 0.17 | 82 | 70-130 | |
| Toluene | mg/kg | ND | .02 | 0.017 | 83 | 70-130 | |
| trans-1,2-Dichloroethene | mg/kg | ND | .02 | 0.017 | 84 | 70-130 | |
| trans-1,3-Dichloropropene | mg/kg | ND | .02 | 0.016 | 78 | 70-130 | |
| trans-1,4-Dichloro-2-butene | mg/kg | ND | .02 | 0.021 | 102 | 70-130 | |
| Trichloroethene | mg/kg | ND | .02 | 0.017 | 84 | 70-130 | |
| Trichlorofluoromethane | mg/kg | ND | .02 | 0.022 | 109 | 70-130 | |
| Vinyl acetate | mg/kg | ND | .041 | 0.011J | 28 | 70-130 | M1 |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**



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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

# QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

MATRIX SPIKE SAMPLE: 1795955

| Parameter | Units | 92307932001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| Vinyl chloride | mg/kg | ND | .02 | 0.017 | 82 | 70-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | | 105 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | | 104 | 70-130 | |
| Toluene-d8 (S) | % | | | | 100 | 70-130 | |

SAMPLE DUPLICATE: 1795954

| Parameter | Units | 92307801001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | mg/kg | ND | ND | | 30 | |
| 1,1,1-Trichloroethane | mg/kg | ND | ND | | 30 | |
| 1,1,2,2-Tetrachloroethane | mg/kg | ND | ND | | 30 | |
| 1,1,2-Trichloroethane | mg/kg | ND | ND | | 30 | |
| 1,1,2-Trichlorotrifluoroethane | mg/kg | ND | ND | | 30 | |
| 1,1-Dichloroethane | mg/kg | ND | ND | | 30 | |
| 1,1-Dichloroethene | mg/kg | ND | ND | | 30 | |
| 1,1-Dichloropropene | mg/kg | ND | ND | | 30 | |
| 1,2,3-Trichlorobenzene | mg/kg | ND | ND | | 30 | |
| 1,2,3-Trichloropropane | mg/kg | ND | ND | | 30 | |
| 1,2,3-Trimethylbenzene | mg/kg | ND | ND | | 30 | |
| 1,2,4-Trichlorobenzene | mg/kg | ND | ND | | 30 | |
| 1,2,4-Trimethylbenzene | mg/kg | ND | ND | | 30 | |
| 1,2-Dibromo-3-chloropropane | mg/kg | ND | ND | | 30 | |
| 1,2-Dibromoethane (EDB) | mg/kg | ND | ND | | 30 | |
| 1,2-Dichlorobenzene | mg/kg | ND | ND | | 30 | |
| 1,2-Dichloroethane | mg/kg | ND | ND | | 30 | |
| 1,2-Dichloroethene (Total) | mg/kg | ND | ND | | 30 | |
| 1,2-Dichloropropane | mg/kg | ND | ND | | 30 | |
| 1,3,5-Trimethylbenzene | mg/kg | ND | ND | | 30 | |
| 1,3-Dichlorobenzene | mg/kg | ND | ND | | 30 | |
| 1,3-Dichloropropane | mg/kg | ND | ND | | 30 | |
| 1,4-Dichlorobenzene | mg/kg | ND | ND | | 30 | |
| 1,4-Dioxane (p-Dioxane) | mg/kg | ND | ND | | 30 | |
| 2,2-Dichloropropane | mg/kg | ND | ND | | 30 | |
| 2-Butanone (MEK) | mg/kg | ND | ND | | 30 | |
| 2-Chlorotoluene | mg/kg | ND | ND | | 30 | |
| 2-Hexanone | mg/kg | ND | ND | | 30 | |
| 3,3-Dimethyl-1-Butanol | mg/kg | ND | ND | | 30 | |
| 4-Chlorotoluene | mg/kg | ND | ND | | 30 | |
| 4-Methyl-2-pentanone (MIBK) | mg/kg | ND | ND | | 30 | |
| Acetone | mg/kg | ND | 0.012J | | 30 | |
| Acetonitrile | mg/kg | ND | ND | | 30 | |
| Acrolein | mg/kg | ND | ND | | 30 | |
| Acrylonitrile | mg/kg | ND | ND | | 30 | |
| Allyl chloride | mg/kg | ND | ND | | 30 | |
| Benzene | mg/kg | ND | ND | | 30 | |

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## QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

SAMPLE DUPLICATE: 1795954

| Parameter | Units | 92307801001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Bromobenzene | mg/kg | ND | ND | | 30 | |
| Bromochloromethane | mg/kg | ND | ND | | 30 | |
| Bromodichloromethane | mg/kg | ND | ND | | 30 | |
| Bromoform | mg/kg | ND | ND | | 30 | |
| Bromomethane | mg/kg | ND | ND | | 30 | |
| Carbon disulfide | mg/kg | ND | ND | | 30 | |
| Carbon tetrachloride | mg/kg | ND | ND | | 30 | |
| Chlorobenzene | mg/kg | ND | ND | | 30 | |
| Chloroethane | mg/kg | ND | ND | | 30 | |
| Chloroform | mg/kg | ND | ND | | 30 | |
| Chloromethane | mg/kg | ND | ND | | 30 | |
| Chloroprene | mg/kg | ND | ND | | 30 | |
| cis-1,2-Dichloroethene | mg/kg | ND | ND | | 30 | |
| cis-1,3-Dichloropropene | mg/kg | ND | ND | | 30 | |
| cis-1,4-Dichloro-2-butene | mg/kg | ND | ND | | 30 | |
| Cyclohexane | mg/kg | ND | ND | | 30 | |
| Cyclohexanone | mg/kg | ND | ND | | | |
| Dibromochloromethane | mg/kg | ND | ND | | 30 | |
| Dibromomethane | mg/kg | ND | ND | | 30 | |
| Dichlorodifluoromethane | mg/kg | ND | ND | | 30 | |
| Diethyl ether (Ethyl ether) | mg/kg | ND | ND | | 30 | |
| Diisopropyl ether | mg/kg | ND | ND | | 30 | |
| Ethanol | mg/kg | ND | ND | | 30 | |
| Ethyl acetate | mg/kg | ND | ND | | 30 | |
| Ethyl methacrylate | mg/kg | ND | ND | | 30 | |
| Ethyl-tert-butyl ether | mg/kg | ND | ND | | 30 | |
| Ethylbenzene | mg/kg | ND | ND | | 30 | |
| Hexachloro-1,3-butadiene | mg/kg | ND | ND | | 30 | |
| Iodomethane | mg/kg | ND | ND | | 30 | |
| Isobutanol | mg/kg | ND | ND | | 30 | |
| Isopropylbenzene (Cumene) | mg/kg | ND | ND | | 30 | |
| m&p-Xylene | mg/kg | ND | ND | | 30 | |
| Methacrylonitrile | mg/kg | ND | ND | | 30 | |
| Methyl acetate | mg/kg | ND | ND | | 30 | |
| Methyl methacrylate | mg/kg | ND | ND | | 30 | |
| Methyl-tert-butyl ether | mg/kg | ND | ND | | 30 | |
| Methylcyclohexane | mg/kg | ND | ND | | 30 | |
| Methylene Chloride | mg/kg | ND | ND | | 30 | |
| n-Butylbenzene | mg/kg | ND | ND | | 30 | |
| n-Hexane | mg/kg | ND | ND | | 30 | |
| n-Propylbenzene | mg/kg | ND | ND | | 30 | |
| Naphthalene | mg/kg | ND | ND | | 30 | |
| o-Xylene | mg/kg | ND | ND | | 30 | |
| p-Isopropyltoluene | mg/kg | ND | ND | | 30 | |
| Pentachloroethane | mg/kg | ND | ND | | 30 | |
| Propionitrile | mg/kg | ND | ND | | 30 | |
| sec-Butylbenzene | mg/kg | ND | ND | | 30 | |

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## QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

SAMPLE DUPLICATE: 1795954

| Parameter | Units | 92307801001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Styrene | mg/kg | ND | ND | | 30 | |
| tert-Amyl Alcohol | mg/kg | ND | ND | | 30 | |
| tert-Amylmethyl ether | mg/kg | ND | ND | | 30 | |
| tert-Butyl Alcohol | mg/kg | ND | ND | | 30 | |
| tert-Butyl Formate | mg/kg | ND | ND | | 30 | |
| tert-Butylbenzene | mg/kg | ND | ND | | 30 | |
| Tetrachloroethene | mg/kg | ND | ND | | 30 | |
| Tetrahydrofuran | mg/kg | ND | ND | | 30 | |
| Toluene | mg/kg | ND | ND | | 30 | |
| TOTAL BTEX | mg/kg | ND | ND | | 30 | |
| trans-1,2-Dichloroethene | mg/kg | ND | ND | | 30 | |
| trans-1,3-Dichloropropene | mg/kg | ND | ND | | 30 | |
| trans-1,4-Dichloro-2-butene | mg/kg | ND | ND | | 30 | |
| Trichloroethene | mg/kg | ND | ND | | 30 | |
| Trichlorofluoromethane | mg/kg | ND | ND | | 30 | |
| Vinyl acetate | mg/kg | ND | ND | | 30 | |
| Vinyl chloride | mg/kg | ND | ND | | 30 | |
| Xylene (Total) | mg/kg | ND | ND | | 30 | |
| 1,2-Dichloroethane-d4 (S) | % | 101 | 115 | 12 | | |
| 4-Bromofluorobenzene (S) | % | 100 | 107 | 6 | | |
| Toluene-d8 (S) | % | 95 | 98 | 2 | | |

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## QUALITY CONTROL DATA

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

QC Batch: 323927 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92307801001, 92307801002, 92307801003, 92307801004, 92307801005

SAMPLE DUPLICATE: 1795027

| Parameter | Units | 92307803001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Percent Moisture | % | 22.7 | 22.7 | 0 | 25 | |

SAMPLE DUPLICATE: 1795028

| Parameter | Units | 92307801005 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Percent Moisture | % | 6.0 | 6.0 | 1 | 25 | |

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# QUALIFIERS

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

## DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether, Styrene, and Vinyl chloride.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

## LABORATORIES

PASI-C Pace Analytical Services - Charlotte

## ANALYTE QUALIFIERS

| | |
|---|---|
| E | Analyte concentration exceeded the calibration range. The reported result is estimated. |
| F3 | The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated. |
| L0 | Analyte recovery in the laboratory control sample (LCS) was outside QC limits. |
| L2 | Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low. |
| L3 | Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias. |
| M0 | Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits. |
| M1 | Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. |
| P5 | The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes. |
| c2 | Acid preservation may not be appropriate for the analysis of 2-Chloroethylvinyl ether. |



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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CITY OF SUMTER-WATER SITE
Pace Project No.: 92307801

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| 92307801006 | GW-1 | EPA 8260 | 324183 | | |
| 92307801007 | GW-2 | EPA 8260 | 324183 | | |
| 92307801008 | GW-3 | EPA 8260 | 324183 | | |
| 92307801009 | GW-4 | EPA 8260 | 324183 | | |
| 92307801010 | GW-5 | EPA 8260 | 324183 | | |
| 92307801011 | GW-6 | EPA 8260 | 324183 | | |
| 92307801012 | GW-7 | EPA 8260 | 324296 | | |
| 92307801013 | GW-8 | EPA 8260 | 324209 | | |
| 92307801001 | SB-1 (5-10) | EPA 8260 | 324108 | | |
| 92307801002 | SB-2 (0-5) | EPA 8260 | 324108 | | |
| 92307801003 | SB-3 (5-10) | EPA 8260 | 324108 | | |
| 92307801004 | SB-4 (0-5) | EPA 8260 | 324108 | | |
| 92307801005 | SB-5 (0-5) | EPA 8260 | 324108 | | |
| 92307801001 | SB-1 (5-10) | ASTM D2974-87 | 323927 | | |
| 92307801002 | SB-2 (0-5) | ASTM D2974-87 | 323927 | | |
| 92307801003 | SB-3 (5-10) | ASTM D2974-87 | 323927 | | |
| 92307801004 | SB-4 (0-5) | ASTM D2974-87 | 323927 | | |
| 92307801005 | SB-5 (0-5) | ASTM D2974-87 | 323927 | | |



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| Pace Analytical | Document Name: Sample Condition Upon Receipt(SCUR) | Document Revised:April 25, 2016 Page 1 of 2 |
|---|---|---|
| | Document No.: F-CHR-CS-003-rev.19 | Issuing Authority: Pace Huntersville Quality Office |



**Sample Condition Upon Receipt**

**Client Name:** Emerald Fre

**Project #:** WO#: 92307801

92307801

**Courier:** ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

**Custody Seal Present?** ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☑ No

**Date/Initials Person Examining Contents:** 8-4-16 SC

**Packing Material:** ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other:____

**Thermometer:** T1505 **Type of Ice:** ☑ Wet ☐ Blue ☐ None ☑ Samples on Ice, cooling process has begun

**Correction Factor: 0.0°C** **Cooler Temp Corrected (°C):** 3.1 **Biological Tissue Frozen?** ☐ Yes ☑ No ☐ N/A

Temp should be above freezing to 6°C

**USDA Regulated Soil** ( ☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☑ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

| | | | | Comments/Discrepancy: |
|---|---|---|---|---|
| Chain of Custody Present? | ☑ Yes | ☐ No | ☐ N/A | 1. |
| Samples Arrived within Hold Time? | ☑ Yes | ☐ No | ☐ N/A | 2. |
| **Short Hold Time Analysis (<72 hr.)?** | ☑ Yes | ☐ No | ☐ N/A | 3. |
| **Rush Turn Around Time Requested?** | ☐ Yes | ☑ No | ☐ N/A | 4. |
| Sufficient Volume? | ☑ Yes | ☐ No | ☐ N/A | 5. |
| Correct Containers Used? | ☑ Yes | ☐ No | ☐ N/A | 6. |
| -Pace Containers Used? | ☑ Yes | ☐ No | ☐ N/A | |
| Containers Intact? | ☑ Yes | ☐ No | ☐ N/A | 7. |
| Samples Field Filtered? | ☐ Yes | ☑ No | ☐ N/A | 8. Note if sediment is visible in the dissolved container |
| Sample Labels Match COC? | ☑ Yes | ☐ No | ☐ N/A | 9. |
| -Includes Date/Time/ID/Analysis Matrix: WT/SL | | | | |
| All containers needing acid/base preservation have been checked? | ☐ Yes | ☐ No | ☑ N/A | 10. HNO3 pH<2 HCl pH<2 H2SO4 pH<2 NaOH pH>12 NaOH/ZnOAc pH>9 |
| All containers needing preservation are found to be in compliance with EPA recommendation? ($HNO_3$, $H_2SO_4$, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide) | ☐ Yes | ☐ No | ☑ N/A | |
| **Exceptions:** VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC,LLHg | ☑ Yes | ☐ No | ☐ N/A | |
| Samples checked for dechlorination? | ☐ Yes | ☐ No | ☑ N/A | 11. |
| Headspace in VOA Vials (>5-6mm)? | ☐ Yes | ☑ No | ☐ N/A | 12. |
| Trip Blank Present? | ☐ Yes | ☑ No | ☐ N/A | 13. |
| Trip Blank Custody Seals Present? | ☐ Yes | ☐ No | ☑ N/A | |
| Pace Trip Blank Lot # (if purchased): | | | | |

**CLIENT NOTIFICATION/RESOLUTION**

**Field Data Required?** ☐ Yes ☐ No

**Person Contacted:** _____ **Date/Time:** _____

**Comments/Sample Discrepancy:** _____

**Project Manager SCURF Review:** TC **Date:** 8/8/16

**Project Manager SRF Review:** TC **Date:** 8/8/16

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers)

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.



Page: 1 of 2

2043607

**Section A** Required Client Information:

Company: Emerald Inc
Address: 2520 Tahoe Dr
Sumter SC 29151
Email To:
Phone: 803 469-5454 Fax:
Requested Due Date/TAT:

**Section B** Required Project Information:

Report To:
Copy To:
Purchase Order No.:
Project Name: City of Sumter-Water Site
Project Number:

**Section C** Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: T. Carter
Pace Profile #:

**REGULATORY AGENCY**

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☑ RCRA ☐ OTHER

Site Location STATE: SC

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N): Y/N

Analysis Test: 8260 Full

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED Composite Start Date | Composite Start Time | Composite End/Grab Date | Composite End/Grab Time | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | 8260 Full | Residual Chlorine (Y/N) | Pace Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-1 (5-10) | SL | G | | | 8-3-16 | 1400 | | 7 | 2 | | | | | | 2 | 5 | X | | 001 |
| 2 | SB-2 (0-5) | | | | | | 1410 | | | | | | | | | | | | | 002 |
| 3 | SB-3 (5-10) | | | | | | 1415 | | | | | | | | | | | | | 003 |
| 4 | SB-4 (0-5) | | | | | | 1420 | | | | | | | | | | | | | 004 |
| 5 | SB-5 (0-5) | SL | | | | | 1430 | | 7 | 2 | | | | | | 2 | 5 | | | 005 |
| 6 | GW-1 | WT | | | | | 920 | | | | | | 3 | | | | | | | 006 |
| 7 | GW-2 | | | | | | 1040 | | | | | | | | | | | | | 007 |
| 8 | GW-3 | | | | | | 950 | | | | | | | | | | | | | 008 |
| 9 | GW-4 | | | | | | 1030 | | | | | | | | | | | | | 009 |
| 10 | GW-5 | | | | | | 1010 | | | | | | | | | | | | | 010 |
| 11 | GW-6 | | | | | | 1130 | | | | | | | | | | | | | 011 |
| 12 | GW-7 | WT | G | | | 8-3-16 | 1145 | | | | | | 3 | | | | | X | | 012 |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 8-3-16 | | | 8-3-16 | 1610 | | | | |
| | | | | John Johnson Pace | 8-4-16 | 1442 | | | | |
| | John Johnson Pace | 8-4-16 | 1515 | Pace HVL | 8-4-16 | 1515 | 3.4 | Y | N | Y |
| | | | | | | | Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N) |

ORIGINAL

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: William McCray

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 8-3-16

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 2

2043606

**Section A** Required Client Information:

Company: Emerald Inc
Address: 2520 Tahoe Dr
Sumter SC 29151
Email To:
Phone: 803 469-5454 Fax:
Requested Due Date/TAT:

**Section B** Required Project Information:

Report To:
Copy To:
Purchase Order No.:
Project Name: City of Sumter-Water Site
Project Number:

**Section C** Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: T. Carter
Pace Profile #:

**REGULATORY AGENCY**

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

**Section D** Required Client Information

**SAMPLE ID** (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED Composite Start DATE | Composite Start TIME | Composite End/Grab DATE | Composite End/Grab TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test: 8260 Full | Residual Chlorine (Y/N) | Pace Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | GW-8 | WT | G | | | 8-3-16 | 1200 | | 3 | | | | 3 | | | | | X | | 013 |
| 2 | | | | | | | | | | | | | | | | | | | | |
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92307801

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 8-3-16 | | | 8-3-16 | 1610 | | | | |
| | | | | James Johnson Pace | 8-4-16 | 1442 | | | | |
| | James Johnson Pace | 8-4-16 | 1515 | S. Rhy Pace IHL | 8-4-16 | 1515 | 3.4 | Y | N | Y |

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: William McClam

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-3-16

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

# APPENDIX C

## EPA REGIONAL SCREENING LEVELS SUMMARY TABLES

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = APPENDIX PPRTV SCREEN (See FAQ #27); H = HEAST; F = See FAQ; J = New Jersey; O = EPA Office of Water; E = see user guide Section 2.3.5; L = see user guide on lead; M = mutagen; S = see user guide Section 5; V = volatile; R = RBA applied (See User Guide for Arsenic notice); c = cancer; n = noncancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; SSL values are based on DAF=1; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide)

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | | Contaminant | | Screening Levels | | | | | | | | | | Protection of Ground Water SSLs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | key | IUR (ug/m$^3$)$^{-1}$ | key | RfD$_o$ (mg/kg-day) | key | RfC$_i$ (mg/m$^3$) | key | volatile | muta-gen | GIABS | ABS | $C_{sat}$ (mg/kg) | Analyte | CAS No. | Resident Soil (mg/kg) | key | Industrial Soil (mg/kg) | key | Resident Air (ug/m$^3$) | key | Industrial Air (ug/m$^3$) | key | Tapwater (ug/L) | key | MCL (ug/L) | Risk-based SSL (mg/kg) | key | MCL-based SSL (mg/kg) |
| 8.7E-03 | I | | | 4.0E-03 | I | | | | | 1 | 0.1 | | Acephate | 30560-19-1 | 6.2E+01 | c** | 2.6E+02 | c* | | | | | 8.9E+00 | c** | | 2.0E-01 | c** | |
| | | 2.2E-06 | I | | | 9.0E-03 | I | V | | 1 | | 1.1E+06 | Acetaldehyde | 75-07-0 | 1.1E+01 | c** | 4.9E+01 | c** | 1.3E+00 | c** | 5.6E+00 | c** | 2.6E+00 | c** | | 5.2E-04 | c** | |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | Acetochlor | 34256-82-1 | 1.3E+03 | n | 1.6E+04 | n | | | | | 3.5E+02 | n | | 2.9E-01 | n | |
| | | | | 9.0E-01 | I | 3.1E+01 | A | V | | 1 | | 1.1E+05 | Acetone | 67-64-1 | 6.1E+04 | n | 8.7E+05 | nms | 5.2E+04 | n | 1.4E+05 | n | 1.4E+04 | n | | 2.9E+00 | n | |
| | | | | | | 2.0E-03 | X | | | 1 | 0.1 | | Acetone Cyanohydrin | 75-86-5 | 2.8E+06 | nm | 1.2E+07 | nm | 2.1E+00 | n | 8.8E+00 | n | | | | | | |
| | | | | | | 6.0E-02 | I | V | | 1 | | 1.3E+05 | Acetonitrile | 75-05-8 | 8.1E+02 | n | 3.4E+03 | n | 6.3E+01 | n | 2.6E+02 | n | 1.3E+02 | n | | 2.4E-02 | n | |
| | | | | 1.0E-01 | I | | | V | | 1 | | 2.5E+03 | Acetophenone | 98-86-2 | 7.8E+03 | nm | 1.2E+05 | nms | | | | | 1.9E+03 | n | | 5.9E-01 | n | |
| 3.6E+00 | C | 1.3E-03 | C | | | | | | | 1 | 0.1 | | Acetylaminofluorene, 2- | 53-96-3 | 1.4E-01 | c | 6.0E-01 | c | 2.2E-03 | c | 9.4E-03 | c | 1.6E-02 | c | | 7.2E-06 | c | |
| | | | | 5.0E-04 | I | 2.0E-05 | I | V | | 1 | | 2.3E+04 | Acrolein | 107-02-8 | 1.4E-01 | n | 6.0E-01 | n | 2.1E-02 | n | 8.8E-02 | n | 4.2E-02 | n | | 8.5E-06 | n | |
| 5.0E-01 | I | 1.0E-04 | I | 2.0E-03 | I | 6.0E-03 | I | | M | 1 | 0.1 | | Acrylamide | 79-06-1 | 2.4E-01 | c | 4.6E+00 | c | 3.0E-02 | c | 1.2E-01 | c | 5.0E-02 | c | | 3.1E-06 | c | |
| | | | | 5.0E-01 | I | 1.0E-03 | I | V | | 1 | | 1.1E+05 | Acrylic Acid | 79-10-7 | 9.9E+01 | n | 4.2E+02 | n | 1.0E+00 | n | 4.4E+00 | n | 2.1E+00 | n | | 4.2E-04 | n | |
| 5.4E-01 | I | 6.8E-05 | I | 4.0E-02 | A | 2.0E-03 | I | V | | 1 | | 1.1E+04 | Acrylonitrile | 107-13-1 | 2.5E-01 | c* | 1.1E+00 | c* | 4.1E-02 | c* | 1.8E-01 | c* | 6.2E-02 | c* | | 1.1E-05 | c* | |
| | | | | | | 6.0E-03 | P | | | 1 | 0.1 | | Adiponitrile | 111-69-3 | 8.5E+06 | nm | 3.6E+07 | nm | 6.3E+00 | n | 2.6E+01 | n | | | | | | |
| 6.0E-02 | C | | | 1.0E-02 | I | | | | | 1 | 0.1 | | Alachlor | 15972-60-8 | 9.7E+00 | c* | 4.1E+01 | c | | | | | 1.1E+00 | c | 2.0E+00 | 8.7E-04 | c | 1.5E-03 |
| | | | | 1.0E-03 | I | | | | | 1 | 0.1 | | Aldicarb | 116-06-3 | 6.3E+01 | n | 8.2E+02 | n | | | | | 2.0E+01 | n | 3.0E+00 | 4.9E-03 | n | 7.5E-04 |
| | | | | 1.0E-03 | I | | | | | 1 | 0.1 | | Aldicarb Sulfone | 1646-88-4 | 6.3E+01 | n | 8.2E+02 | n | | | | | 2.0E+01 | n | 2.0E+00 | 4.8E-03 | n | 4.4E-04 |
| | | | | | | | | | | 1 | 0.1 | | Aldicarb sulfoxide | 1646-87-3 | | | | | | | | | | | 4.0E+00 | | | 8.8E-04 |
| 1.7E+01 | I | 4.9E-03 | I | 3.0E-05 | I | | | V | | 1 | | | Aldrin | 309-00-2 | 3.9E-02 | c* | 1.8E-01 | c | 5.7E-04 | c | 2.5E-03 | c | 9.2E-04 | c | | 1.6E-04 | c | |
| | | | | 5.0E-03 | I | 1.0E-04 | X | V | | 1 | | 1.1E+05 | Allyl Alcohol | 107-18-6 | 3.5E+00 | n | 1.5E+01 | n | 1.0E-01 | n | 4.4E-01 | n | 2.1E-01 | n | | 4.2E-05 | n | |
| 2.1E-02 | C | 6.0E-06 | C | | | 1.0E-03 | I | V | | 1 | | 1.4E+03 | Allyl Chloride | 107-05-1 | 7.2E-01 | c** | 3.2E+00 | c** | 4.70E-01 | c** | 2.00E+00 | c** | 7.3E-01 | c** | | 2.3E-04 | c** | |
| | | | | 1.0E+00 | P | 5.0E-03 | P | | | 1 | | | Aluminum | 7429-90-5 | 7.7E+04 | n | 1.1E+06 | nm | 5.2E+00 | n | 2.2E+01 | n | 2.0E+04 | n | | 3.0E+04 | n | |
| | | | | 4.0E-04 | I | | | | | 1 | | | Aluminum Phosphide | 20859-73-8 | 3.1E+01 | n | 4.7E+02 | n | | | | | 9.0E+00 | n | | | n | |
| | | | | 9.0E-03 | I | | | | | 1 | 0.1 | | Ametryn | 834-12-8 | 5.7E+03 | n | 7.4E+03 | n | | | | | 1.5E+02 | n | | 1.6E-01 | n | |
| 2.1E+01 | C | 6.0E-03 | C | | | | | | | 1 | 0.1 | | Aminobiphenyl, 4- | 92-67-1 | 2.6E-02 | c | 1.1E-01 | c | 4.7E-04 | c | 2.0E-03 | c | 3.0E-03 | c | | 1.5E-06 | c | |
| | | | | 8.0E-02 | P | | | | | 1 | 0.1 | | Aminophenol, m- | 591-27-5 | 5.1E+03 | n | 6.6E+04 | n | | | | | 1.8E+03 | n | | 8.1E-01 | n | |
| | | | | 2.0E-02 | P | | | | | 1 | 0.1 | | Aminophenol, p- | 123-30-8 | 1.3E+03 | n | 1.6E+04 | n | | | | | 4.0E+02 | n | | 1.9E-07 | n | |
| | | | | 2.5E-03 | I | | | | | 1 | 0.1 | | Amitraz | 33089-61-1 | 1.6E+02 | n | 2.1E+03 | n | | | | | 8.2E+00 | n | | 4.7E+00 | n | |
| | | | | | | 1.0E-01 | I | V | | 1 | | | Ammonia | 7664-41-7 | | | | | 1.0E+02 | n | 4.4E+02 | n | | | | | | |
| | | | | 2.0E-01 | I | | | | | 1 | | | Ammonium Sulfamate | 7773-06-0 | 1.6E+04 | n | 2.3E+05 | nm | | | | | 4.0E+03 | n | | | n | |
| | | | | | | 3.0E-03 | X | V | | 1 | | 1.4E+04 | Amyl Alcohol, tert- | 75-85-4 | 8.2E+01 | n | 3.4E+02 | n | 3.1E+00 | n | 1.3E+01 | n | 6.3E+00 | n | | 1.3E-02 | n | |
| 5.7E-03 | I | 1.6E-06 | C | 7.0E-03 | P | 1.0E-03 | I | | | 1 | 0.1 | | Aniline | 62-53-3 | 9.6E+01 | c** | 4.0E+02 | c* | 1.0E+00 | n | 4.4E+00 | n | 1.3E+01 | c* | | 4.6E-03 | c* | |
| 4.0E-02 | P | | | 2.0E-03 | X | | | | | 1 | 0.1 | | Anthraquinone, 9,10- | 84-65-1 | 1.4E+01 | c** | 5.7E+01 | c* | | | | | 1.4E+00 | c* | | 1.4E-02 | c* | |
| | | | | 4.0E-04 | I | | | | | 0.15 | | | Antimony (metallic) | 7440-36-0 | 3.1E+01 | n | 4.7E+02 | n | | | | | 7.4E+00 | n | 6.0E+00 | 3.0E-01 | n | 2.7E-01 |
| | | | | 5.0E-04 | H | | | | | 0.15 | | | Antimony Pentoxide | 1314-60-9 | 3.9E+01 | n | 5.8E+02 | n | | | | | 9.7E+00 | n | | | n | |
| | | | | 4.0E-04 | H | | | | | 0.15 | | | Antimony Tetroxide | 1332-81-6 | 3.1E+01 | n | 4.7E+02 | n | | | | | 7.8E+00 | n | | | n | |
| | | | | | | 2.0E-04 | I | | | 0.15 | | | Antimony Trioxide | 1309-64-4 | 2.5E+05 | nm | 1.2E+06 | nm | 2.1E-01 | n | 8.8E-01 | n | | | | | | |
| 1.5E+00 | I | 4.3E-03 | I | 3.0E-04 | I | 1.5E-05 | C | | | 1 | 0.03 | | Arsenic, Inorganic | 7440-38-2 | 6.8E-01 | c*R | 3.0E+00 | cR | 8.5E-04 | c* | 2.9E-03 | c* | 5.2E-02 | c | 1.0E+01 | 1.5E-03 | c | 9.9E-01 |
| | | | | 3.5E-06 | C | 5.0E-05 | I | | | 1 | | | Arsine | 7784-42-1 | 2.7E-01 | n | 4.1E+00 | n | 5.2E-02 | n | 2.2E-01 | n | 7.0E-02 | n | | | n | |
| | | | | 5.0E-02 | I | | | | | 1 | 0.1 | | Asulam | 3337-71-1 | 3.2E+03 | n | 4.1E+04 | n | | | | | 1.0E+03 | n | | 2.6E-01 | n | |
| 2.3E-01 | C | | | 3.5E-02 | I | | | | | 1 | 0.1 | | Atrazine | 1912-24-9 | 2.4E+00 | c | 1.0E+01 | c | | | | | 3.0E-01 | c | 3.0E+00 | 2.0E-04 | c | 1.9E-03 |
| 8.8E-01 | C | 2.6E-04 | C | | | | | | | 1 | 0.1 | | Auramine | 492-80-8 | 6.2E-01 | c | 2.6E+00 | c | 1.1E-02 | c | 4.9E-02 | c | 6.7E-02 | c | | 8.1E-04 | c | |
| | | | | 4.0E-04 | I | | | | | 1 | 0.1 | | Avermectin B1 | 65195-55-3 | 2.5E+01 | n | 3.3E+02 | n | | | | | 8.0E+00 | n | | 1.4E+01 | n | |
| | | | | 3.0E-03 | A | 1.0E-02 | A | | | 1 | 0.1 | | Azinphos-methyl | 86-50-0 | 1.9E+02 | n | 2.5E+03 | n | 1.0E+01 | n | 4.4E+01 | n | 5.6E+01 | n | | 1.7E-02 | n | |
| 1.1E-01 | I | 3.1E-05 | I | | | | | V | | 1 | | | Azobenzene | 103-33-3 | 5.6E+00 | c | 2.6E+01 | c | 9.1E-02 | c | 4.0E-01 | c | 1.2E-01 | c | | 9.3E-04 | c | |
| | | | | 1.0E+00 | P | 7.0E-06 | P | | | 1 | 0.1 | | Azodicarbonamide | 123-77-3 | 8.6E+03 | n | 4.0E+04 | n | 7.3E-03 | n | 3.1E-02 | n | 2.0E+04 | n | | 8.8E+00 | n | |
| | | | | 2.0E-01 | I | 5.0E-04 | H | | | 0.07 | | | Barium | 7440-39-3 | 1.5E+04 | n | 2.2E+05 | nm | 5.2E-01 | n | 2.2E+00 | n | 3.8E+03 | n | 2.0E+03 | 1.0E+02 | n | 5.3E+01 |
| 5.0E-01 | C | 1.5E-01 | C | 2.0E-02 | C | 2.0E-04 | C | | M | 0.025 | | | Barium Chromate | 10294-40-3 | 3.0E-01 | c | 8.2E+00 | c | 9.6E-09 | c | 8.2E-05 | c | 4.1E-02 | c | | 4.1E-02 | c | |
| | | | | 3.0E-01 | I | | | V | | 1 | | | Benfluralin | 1861-40-1 | 2.3E+04 | n | 3.5E+05 | nm | | | | | 1.7E+03 | n | | 5.6E+01 | n | |
| | | | | 5.0E-02 | I | | | | | 1 | 0.1 | | Benomyl | 17804-35-2 | 3.2E+03 | n | 4.1E+04 | n | | | | | 9.7E+02 | n | | 8.5E-01 | n | |
| | | | | 2.0E-01 | I | | | | | 1 | 0.1 | | Bensulfuron-methyl | 83055-99-6 | 1.3E+04 | n | 1.6E+05 | nm | | | | | 3.9E+03 | n | | 1.0E+00 | n | |
| | | | | 3.0E-02 | I | | | | | 1 | 0.1 | | Bentazon | 25057-89-0 | 1.9E+03 | n | 2.5E+04 | n | | | | | 5.7E+02 | n | | 1.2E-01 | n | |
| 4.0E-03 | P | | | 1.0E-01 | I | | | V | | 1 | | 1.2E+03 | Benzaldehyde | 100-52-7 | 1.7E+02 | c* | 8.2E+02 | c | | | | | 1.9E+01 | c | | 4.1E-03 | c | |
| 5.5E-02 | I | 7.8E-06 | I | 4.0E-03 | I | 3.0E-02 | I | V | | 1 | | 1.8E+03 | Benzene | 71-43-2 | 1.2E+00 | c* | 5.1E+00 | c* | 3.6E-01 | c* | 1.6E+00 | c* | 4.6E-01 | c* | 5.0E+00 | 2.3E-04 | c* | 2.0E-03 |
| 1.0E-01 | X | | | 3.0E-04 | X | | | | | 1 | 0.1 | | Benzenediamine-2-methyl sulfate, 1,4- | 6369-59-1 | 5.4E+00 | c** | 2.3E+01 | c* | | | | | 7.8E-01 | c** | | 2.2E-04 | c** | |
| | | | | 1.0E-03 | P | | | V | | 1 | | 1.3E+03 | Benzenethiol | 108-98-5 | 7.8E+01 | n | 1.2E+03 | n | | | | | 1.7E+01 | n | | 1.1E-02 | n | |
| 2.3E+02 | I | 6.7E-02 | I | 3.0E-03 | I | | | | M | 1 | 0.1 | | Benzidine | 92-87-5 | 5.3E-04 | c | 1.0E-02 | c | 1.5E-06 | c | 1.8E-04 | c | 1.1E-04 | c | | 2.9E-07 | c | |
| | | | | 4.0E+00 | I | | | | | 1 | 0.1 | | Benzoic Acid | 65-85-0 | 2.5E+05 | nm | 3.3E+06 | nm | | | | | 7.9E+04 | n | | 1.9E+01 | n | |
| 1.3E+01 | I | | | | | | | V | | 1 | | 3.2E+02 | Benzotrichloride | 98-07-7 | 5.3E-02 | c | 2.3E-01 | c | | | | | 3.0E-03 | c | | 8.6E-06 | c | |
| | | | | 1.0E-01 | P | | | | | 1 | 0.1 | | Benzyl Alcohol | 100-51-6 | 6.3E+03 | n | 8.2E+04 | n | | | | | 2.0E+03 | n | | 4.6E-01 | n | |
| 1.7E-01 | I | 4.9E-05 | C | 2.0E-03 | P | 1.0E-03 | P | V | | 1 | | 1.5E+03 | Benzyl Chloride | 100-44-7 | 1.1E+00 | c* | 4.6E+00 | c* | 5.7E-02 | c* | 2.5E-01 | c* | 8.9E-02 | c* | | 9.8E-06 | c* | |
| | | 2.4E-03 | I | 2.0E-03 | I | 2.0E-05 | I | | | 0.007 | | | Beryllium and compounds | 7440-41-7 | 1.6E+02 | n | 2.3E+03 | n | 1.2E-03 | c* | 5.1E-03 | c* | 2.5E+01 | n | 4.0E+00 | 1.9E+01 | n | 3.2E+00 |
| | | | | 9.0E-03 | P | | | | | 1 | 0.1 | | Bifenox | 42576-02-3 | 5.7E+02 | n | 7.4E+03 | n | | | | | 1.0E+02 | n | | 7.6E-01 | n | |
| | | | | 1.5E-02 | I | | | | | 1 | 0.1 | | Bifenthrin | 82657-04-3 | 9.5E+02 | n | 1.2E+04 | n | | | | | 3.0E+02 | n | | 1.4E+03 | n | |
| 8.0E-03 | I | | | 5.0E-01 | I | 4.0E-04 | X | V | | 1 | | | Biphenyl, 1,1'- | 92-52-4 | 4.7E+01 | n | 2.0E+02 | n | 4.2E-01 | n | 1.8E+00 | n | 8.3E-01 | n | | 8.7E-03 | n | |
| | | | | 4.0E-02 | I | | | V | | 1 | | 1.0E+03 | Bis(2-chloro-1-methylethyl) ether | 108-60-1 | 3.1E+03 | ns | 4.7E+04 | ns | | | | | 7.1E+02 | n | | 3.6E-01 | n | |
| | | | | 3.0E-03 | P | | | | | 1 | 0.1 | | Bis(2-chloroethoxy)methane | 111-91-1 | 1.9E+02 | n | 2.5E+03 | n | | | | | 5.9E+01 | n | | 1.9E-02 | n | |
| 1.1E+00 | I | 3.3E-04 | I | | | | | V | | 1 | | 5.1E+03 | Bis(2-chloroethyl)ether | 111-44-4 | 2.3E-01 | c | 1.0E+00 | c | 8.5E-03 | c | 3.7E-02 | c | 1.4E-02 | c | | 3.6E-06 | c | |
| 2.2E+02 | I | 6.2E-02 | I | | | | | V | | 1 | | 4.2E+03 | Bis(chloromethyl)ether | 542-88-1 | 8.3E-06 | c | 3.6E-04 | c | 4.5E-05 | c | 2.0E-04 | c | 7.2E-05 | c | | 1.7E-09 | c | |
| | | | | 5.0E-02 | I | | | | | 1 | 0.1 | | Bisphenol A | 80-05-7 | 3.2E+03 | n | 4.1E+04 | n | | | | | 7.7E+02 | n | | 5.4E+01 | n | |
| | | | | 2.0E-01 | I | 2.0E-02 | H | | | 1 | | | Boron And Borates Only | 7440-42-8 | 1.6E+04 | n | 2.3E+05 | nm | 2.1E+01 | n | 8.8E+01 | n | 4.0E+03 | n | | 1.9E+01 | n | |
| | | | | 2.0E+00 | P | 2.0E-02 | P | V | | 1 | | | Boron Trichloride | 10294-34-5 | 1.6E+05 | nm | 2.3E+06 | nm | 2.1E+01 | n | 8.8E+01 | n | 4.2E+01 | n | | | n | |
| | | | | 4.0E-02 | C | 1.3E-02 | C | V | | 1 | | | Boron Trifluoride | 7637-07-2 | 3.1E+03 | n | 4.7E+04 | n | 1.4E+01 | n | 5.7E+01 | n | 2.6E+01 | n | | | n | |
| 7.0E-01 | I | | | 4.0E-03 | I | | | | | 1 | | | Bromate | 15541-45-4 | 9.9E-01 | c | 4.7E+02 | c | | | | | 1.1E-01 | c | 1.0E+01 | 8.5E-04 | c | 7.1E-02 |
| 2.0E+00 | X | 6.0E-04 | X | | | | | | | 1 | | 2.4E+03 | Bromo-2-chloroethane, 1- | 107-04-0 | 2.6E-02 | c | 1.1E-01 | c | 4.7E-03 | c | 2.0E-02 | c | 7.4E-03 | c | | 2.1E-06 | c | |
| | | | | 8.0E-03 | I | 6.0E-02 | I | V | | 1 | | 6.8E+02 | Bromobenzene | 108-86-1 | 2.9E+02 | n | 1.3E+03 | ns | 6.3E+01 | n | 2.6E+02 | n | 8.2E+01 | n | | 4.2E-02 | n | |
| | | | | | | 4.0E-02 | X | V | | 1 | | 4.0E+03 | Bromochloromethane | 74-97-5 | 1.5E+02 | n | 6.3E+02 | n | 4.2E+01 | n | 1.8E+02 | n | 8.3E+01 | n | | 2.1E-02 | n | |

TR=1E-0
THQ=1.0

Key: I = IRIS, P = PPRTV, A = ATSDR, C = Cal EPA, X = APPENDIX PPRTV SCREEN (See FAQ #27); H = HEAST, F = See FAQ; J = New Jersey; O = EPA Office of Water; E = see user guide Section 2.3.5; L = see user guide on lead; M = mutagen; S = see user guide Section 5; V = volatile; R = RBA applied (See User Guide for Arsenic notice); c = cancer; n = noncancer; * = where n SL < 100X c SL; ** = where n SL < 10X c SL; SSL values are based on DAF=1; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide)

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | Contaminant | | Screening Levels | | | | | | | | | | | | Protection of Ground Water SSLs | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | key | IUR (ug/m$^3$)$^{-1}$ | key | $RfD_o$ (mg/kg-day) | key | $RfC_i$ (mg/m$^3$) | key | mutagen | GIABS | ABS | $C_{sat}$ (mg/kg) | | Analyte | CAS No. | Resident Soil (mg/kg) | key | Industrial Soil (mg/kg) | key | Resident Air (ug/m$^3$) | key | Industrial Air (ug/m$^3$) | key | Tapwater (ug/L) | key | MCL (ug/L) | key | RBA-based SSL (mg/kg) | key | MCL-Based SSL (mg/kg) |
| 6.2E-02 | I | 3.7E-05 | C | 2.0E-02 | I | | V | | 1 | | 9.3E+02 | | Bromodichloromethane | 75-27-4 | 2.9E-01 | c | 1.3E+00 | c | 7.6E-02 | c | 3.3E-01 | c | 1.3E-01 | c | 8.0E+01(F) | | 3.6E-05 | n | 2.2E-02 |
| 7.9E-03 | I | 1.1E-06 | I | 2.0E-02 | I | | V | | 1 | | 9.2E+02 | | Bromoform | 75-25-2 | 1.9E+01 | c* | 8.6E+01 | c | 2.0E+00 | c | 1.1E+01 | c | 3.3E+00 | c | 8.0E+01(F) | | 8.7E-04 | c | 2.1E-02 |
| | | | | 1.4E-03 | I | 5.0E-03 | I | V | 1 | | 3.6E+03 | | Bromomethane | 74-83-9 | 6.8E+00 | n | 3.0E+01 | n | 5.2E+00 | n | 2.2E+01 | n | 7.5E+00 | n | | | 1.6E-05 | n | |
| | | | | 5.0E-03 | H | | V | | 1 | | | | Bromophos | 2104-96-3 | 3.9E+02 | n | 5.8E+03 | n | | | | | 3.5E+01 | n | | | 1.5E-01 | n | |
| | | | | 2.0E-02 | I | | | | 1 | 0.1 | | | Bromoxynil | 1689-84-5 | 1.3E+03 | n | 1.6E+04 | n | | | | | 3.3E+02 | n | | | 2.8E-01 | n | |
| | | | | 2.0E-02 | I | | V | | 1 | | | | Bromoxynil Octanoate | 1689-99-2 | 1.6E+03 | n | 2.3E+04 | n | | | | | 1.4E+02 | n | | | 1.2E+00 | n | |
| 3.4E+00 | C | 3.0E-05 | I | | | 2.0E-03 | I | V | 1 | | 6.7E+02 | | Butadiene, 1,3- | 106-99-0 | 5.8E-02 | c* | 2.6E-01 | c* | 9.4E-02 | c* | 4.1E-01 | c* | 1.8E-02 | c | | | 9.9E-06 | c | |
| | | | | 1.0E-01 | I | | V | | 1 | | 7.6E+03 | | Butanol, N- | 71-36-3 | 7.6E+03 | na | 1.2E+05 | nma | | | | | 2.0E+03 | n | | | 4.1E-01 | n | |
| | | | | 2.0E+00 | P | 3.0E+01 | P | V | 1 | | 2.1E+04 | | Butyl alcohol, sec- | 78-92-2 | 1.3E+05 | nma | 1.5E+06 | nma | 3.1E+04 | n | 1.3E+05 | n | 2.4E+04 | n | | | 5.0E-02 | n | |
| | | | | 5.0E-02 | I | | V | | 1 | | | | Butylate | 2008-41-5 | 3.9E+03 | n | 5.8E+04 | n | | | | | 4.8E+02 | n | | | 4.5E-01 | n | |
| 2.0E-04 | C | 5.7E-08 | C | | | | | | 1 | 0.1 | | | Butylated hydroxyanisole | 25013-16-5 | 2.7E+03 | c | 1.1E+04 | c | 4.9E+01 | c | 2.2E+02 | c | 1.5E+02 | c | | | 2.9E-01 | c | |
| 3.6E-03 | P | | | 3.0E-01 | P | | | | 1 | 0.1 | | | Butylated hydroxytoluene | 128-37-0 | 1.5E+02 | c | 6.4E+02 | c | | | | | 3.4E+00 | c | | | 1.0E-01 | n | |
| | | | | 5.0E-02 | P | | V | | 1 | | 1.1E+02 | | Butylbenzene, n- | 104-51-8 | 3.9E+03 | na | 5.8E+04 | na | | | | | 1.0E+03 | n | | | 3.2E+00 | n | |
| | | | | 1.0E-01 | X | | V | | 1 | | 1.5E+02 | | Butylbenzene, sec- | 135-98-8 | 7.8E+03 | na | 1.2E+05 | nma | | | | | 2.0E+03 | n | | | 6.8E+00 | n | |
| | | | | 1.0E-01 | X | | V | | 1 | | 1.8E+02 | | Butylbenzene, tert- | 98-06-6 | 7.8E+03 | na | 1.2E+05 | nma | | | | | 6.9E+02 | n | | | 1.6E+00 | n | |
| | | | | 2.0E-02 | A | | | | 1 | 0.1 | | | Cacodylic Acid | 75-60-5 | 1.3E+03 | n | 1.6E+04 | n | | | | | 4.0E+02 | n | | | 1.1E-01 | n | |
| | | 1.8E-03 | I | 1.0E-03 | I | 1.0E-05 | A | | 0.025 | 0.001 | | | Cadmium (Diet) | 7440-43-9 | 7.1E+01 | n | 9.8E+02 | n | | | | | | | | | | | |
| | | 1.8E-03 | I | 5.0E-04 | I | 1.0E-05 | A | | 0.05 | 0.001 | | | Cadmium (Water) | 7440-43-9 | | | | | 1.5E-03 | c** | 6.6E-03 | c** | 9.2E+00 | n | 5.0E+00 | | 6.9E-01 | n | 3.3E-01 |
| 5.0E-01 | C | 1.5E-01 | C | 2.0E-02 | C | 2.0E-04 | C | M | 0.025 | | | | Calcium Chromate | 13765-19-0 | 3.0E-01 | c | 6.2E+00 | c | 8.6E-06 | c | 6.7E-05 | c | 4.1E-02 | c | | | | c | |
| | | | | 5.0E-01 | I | 2.2E-03 | C | | 1 | 0.1 | | | Caprolactam | 105-60-2 | 3.1E+04 | n | 4.0E+05 | nm | 2.3E+00 | n | 9.6E+00 | n | 9.9E+03 | n | | | 2.5E+00 | n | |
| 1.5E-01 | C | 4.3E-05 | C | 2.0E-03 | I | | | | 1 | 0.1 | | | Captafol | 2425-06-1 | 3.6E+00 | c* | 1.5E+01 | c | 6.5E-02 | c | 2.9E-01 | c | 4.0E-01 | c* | | | 7.1E-04 | c* | |
| 2.3E-03 | C | 6.6E-07 | C | 1.3E-01 | I | | | | 1 | 0.1 | | | Captan | 133-06-2 | 2.4E+02 | c* | 1.0E+03 | c | 4.3E+00 | c | 1.9E+01 | c | 3.1E+01 | c* | | | 2.2E-02 | c* | |
| | | | | 1.0E-01 | I | | | | 1 | 0.1 | | | Carbaryl | 63-25-2 | 6.3E+03 | n | 8.2E+04 | n | | | | | 1.8E+03 | n | | | 1.7E+00 | n | |
| | | | | 5.0E-03 | I | | | | 1 | 0.1 | | | Carbofuran | 1563-66-2 | 3.2E+02 | n | 4.1E+03 | n | | | | | 9.4E+01 | n | 4.0E+01 | | 3.7E-02 | n | 1.6E-02 |
| | | | | 1.0E-01 | I | 7.0E-01 | I | V | 1 | | 7.4E+02 | | Carbon Disulfide | 75-15-0 | 7.7E+02 | na | 3.5E+03 | na | 7.3E+02 | n | 3.1E+03 | n | 8.1E+02 | n | | | 2.6E-01 | n | |
| 7.0E-02 | I | 6.0E-06 | I | 4.0E-03 | I | 1.0E-01 | I | V | 1 | | 4.6E+02 | | Carbon Tetrachloride | 56-23-5 | 6.5E-01 | c | 2.9E+00 | c | 4.7E-01 | c | 2.0E+00 | c | 4.6E-01 | c | 5.0E+00 | | 1.8E-04 | c | 1.9E-03 |
| | | | | | | 1.0E-01 | P | V | 1 | | 5.9E+03 | | Carbonyl Sulfide | 463-58-1 | 6.7E+01 | n | 2.8E+02 | n | 1.0E+02 | n | 4.4E+02 | n | 2.1E+02 | n | | | 5.1E-01 | n | |
| | | | | 1.0E-02 | I | | | | 1 | 0.1 | | | Carbosulfan | 55285-14-8 | 6.3E+02 | n | 8.2E+03 | n | | | | | 5.1E+01 | n | | | 1.2E+00 | n | |
| | | | | 1.0E-01 | I | | | | 1 | 0.1 | | | Carbofuran | 9234-66-4 | 6.3E+03 | n | 8.2E+04 | n | | | | | 1.0E+03 | n | | | 1.0E+00 | n | |
| | | | | | | 9.0E-04 | I | | 1 | | | | Ceric oxide | 1306-38-3 | 1.3E+06 | nm | 5.4E+06 | nm | 9.4E-01 | n | 3.9E+00 | n | | | | | | | |
| | | | | 1.0E-01 | I | | V | | 1 | | | | Chloral Hydrate | 302-17-0 | 7.8E+03 | n | 1.2E+05 | nm | | | | | 2.0E+03 | n | | | 4.0E-01 | n | |
| | | | | 1.6E-02 | I | | | | 1 | 0.1 | | | Chloramben | 133-90-4 | 9.5E+02 | n | 1.2E+04 | n | | | | | 2.9E+02 | n | | | 7.0E-02 | n | |
| 4.0E-01 | H | | | | | | | | 1 | 0.1 | | | Chloranil | 118-75-2 | 1.3E+00 | c | 5.7E+00 | c | | | | | 1.6E-01 | c | | | 1.6E-04 | c | |
| 3.5E-01 | I | 1.0E-04 | I | 5.0E-04 | I | 7.0E-04 | I | V | 1 | 0.04 | | | Chlordane | 12789-03-6 | 1.7E+00 | c* | 7.7E+00 | c* | 2.8E-02 | c* | 1.2E-01 | c* | 2.0E-02 | c* | 2.0E+00 | | 2.7E-03 | c* | 2.7E-01 |
| 1.0E+01 | I | 4.6E-03 | C | 3.0E-04 | I | | | | 1 | 0.1 | | | Chlordecone (Kepone) | 143-50-0 | 5.4E-02 | c | 2.3E-01 | c | 6.1E-04 | c | 2.7E-03 | c | 3.9E-03 | c | | | 1.2E-04 | c | |
| | | | | 7.0E-04 | A | | | | 1 | 0.1 | | | Chlorfenvinphos | 470-90-6 | 4.4E+01 | n | 5.7E+02 | n | | | | | 1.1E+01 | n | | | 3.1E-02 | n | |
| | | | | 2.0E-02 | I | | | | 1 | 0.1 | | | Chlorimuron, Ethyl- | 90982-32-4 | 1.3E+03 | n | 1.6E+04 | n | | | | | 3.9E+02 | n | | | 1.3E-01 | n | |
| | | | | 1.0E-01 | I | 1.5E-04 | A | V | 1 | | 2.8E+03 | | Chlorine | 7782-50-5 | 1.9E-01 | n | 7.8E-01 | n | 1.5E-01 | n | 6.4E-01 | n | 3.0E-01 | n | | | 1.8E-04 | n | |
| | | | | 3.0E-02 | I | 2.0E-04 | I | V | 1 | | | | Chlorine Dioxide | 10049-04-4 | 2.3E+03 | n | 3.4E+04 | n | 2.1E-01 | n | 8.8E-01 | n | 4.2E-01 | n | | | | n | |
| | | | | 3.0E-02 | I | | | | 1 | | | | Chlorite (Sodium Salt) | 7758-19-2 | 2.3E+03 | n | 3.5E+04 | n | | | | | 6.0E+02 | n | 1.0E+03 | | | n | |
| | | | | | | 5.0E+01 | I | V | 1 | | 1.2E+03 | | Chloro-1,1-difluoroethane, 1- | 75-68-3 | 5.4E+04 | na | 2.3E+05 | nma | 5.2E+04 | n | 2.2E+05 | n | 1.0E+05 | n | | | 5.2E+01 | n | |
| | | 3.0E-04 | I | 2.0E-02 | H | 2.0E-02 | I | V | 1 | | 7.9E+02 | | Chloro-1,3-butadiene, 2- | 126-99-8 | 1.0E-02 | c | 4.4E-02 | c | 9.4E-03 | c | 4.1E-02 | c | 1.9E-02 | c | | | 9.8E-06 | c | |
| 4.6E-01 | H | | | | | | | | 1 | 0.1 | | | Chloro-2-methylaniline HCl, 4- | 3165-93-3 | 1.2E+00 | c | 5.0E+00 | c | | | | | 1.7E-01 | c | | | 1.9E-04 | c | |
| 1.0E-01 | P | 7.7E-05 | C | 3.0E-03 | X | | | | 1 | 0.1 | | | Chloro-2-methylaniline, 4- | 95-69-2 | 5.4E+00 | c* | 2.3E+01 | c | 3.6E-02 | c | 1.6E-01 | c | 7.0E-01 | c* | | | 4.0E-04 | c* | |
| 2.7E-01 | X | | | | | | V | | 1 | | 1.2E+04 | | Chloroacetaldehyde, 2- | 107-20-0 | 2.6E+00 | c | 1.2E+01 | c | | | | | 2.9E-01 | c | | | 5.8E-06 | c | |
| | | | | | | | | | 1 | 0.1 | | | Chloroacetic Acid | 79-11-8 | | | | | | | | | | | 8.0E+01 | | | | 1.2E-02 |
| | | | | | | 3.0E-05 | I | | 1 | 0.1 | | | Chloroacetophenone, 2- | 532-27-4 | 4.3E+04 | n | 1.8E+06 | nm | 3.1E-02 | n | 1.3E-01 | n | | | | | | | |
| 2.0E-01 | P | | | 4.0E-03 | I | | | | 1 | 0.1 | | | Chloroaniline, p- | 106-47-8 | 2.7E+00 | c* | 1.1E+01 | c | | | | | 3.7E-01 | c | | | 1.6E-04 | c | |
| | | | | 2.0E-02 | I | 5.0E-02 | P | V | 1 | | 7.6E+02 | | Chlorobenzene | 108-90-7 | 2.8E+02 | n | 1.3E+03 | ns | 5.2E+01 | n | 2.2E+02 | n | 7.8E+01 | n | 1.0E+02 | | 5.3E-02 | n | 6.4E-02 |
| 1.1E-01 | C | 3.1E-05 | C | 2.0E-02 | I | | | | 1 | 0.1 | | | Chlorobenzilate | 510-15-6 | 4.9E+00 | c | 2.1E+01 | c | 9.1E-02 | c | 4.0E-01 | c | 3.1E-01 | c | | | 1.0E-03 | c | |
| | | | | 3.0E-02 | X | | | | 1 | 0.1 | | | Chlorobenzoic Acid, p- | 74-11-3 | 1.4E+03 | n | 2.5E+04 | n | | | | | 5.1E+02 | n | | | 1.3E-01 | n | |
| | | | | 3.0E-03 | P | 3.0E-01 | P | V | 1 | | 2.9E+02 | | Chlorobenzotrifluoride, 4- | 98-56-6 | 2.1E+02 | n | 2.5E+03 | ns | 3.1E+02 | n | 1.3E+03 | n | 3.5E+01 | n | | | 1.2E-01 | n | |
| | | | | 4.0E-02 | P | | V | | 1 | | 7.3E+02 | | Chlorobutane, 1- | 109-69-3 | 3.1E+03 | na | 4.7E+04 | na | | | | | 8.4E+02 | n | | | 2.6E-01 | n | |
| | | | | | | 5.0E+01 | I | V | 1 | | 1.7E+03 | | Chlorodifluoromethane | 75-45-6 | 4.9E+04 | na | 2.1E+06 | nma | 5.2E+04 | n | 2.2E+06 | n | 1.0E+06 | n | | | 4.2E+01 | n | |
| | | | | 2.0E-02 | P | | V | | 1 | | 1.1E+05 | | Chloroethanol, 2- | 107-07-3 | 1.6E+03 | n | 2.3E+04 | n | | | | | 4.0E+02 | n | | | 9.1E-02 | n | |
| 3.1E-02 | C | 2.3E-05 | I | 1.0E-02 | I | 9.8E-02 | A | V | 1 | | 2.5E+03 | | Chloroform | 67-66-3 | 3.2E-01 | c | 1.4E+00 | c | 1.2E-01 | c | 5.3E-01 | c | 2.2E-01 | c | 8.0E+01(F) | | 6.1E-05 | c | 2.2E-02 |
| | | | | | | 9.0E-02 | I | V | 1 | | 1.3E+03 | | Chloromethane | 74-87-3 | 1.1E+02 | n | 4.6E+02 | n | 9.4E+01 | n | 3.9E+02 | n | 1.9E+02 | n | | | 4.9E-05 | n | |
| 2.4E+00 | C | 6.9E-04 | C | | | | V | | 1 | | 9.3E+03 | | Chloromethyl Methyl Ether | 107-30-2 | 2.0E-02 | c | 8.9E-02 | c | 4.1E-03 | c | 1.8E-02 | c | 6.5E-03 | c | | | 1.4E-06 | c | |
| 3.0E-01 | P | | | 3.0E-03 | P | 1.0E-05 | X | | 1 | 0.1 | | | Chloronitrobenzene, o- | 88-73-3 | 1.8E+00 | c | 7.7E+00 | c | 1.0E-02 | n | 4.4E-02 | n | 2.4E-01 | c | | | 2.2E-04 | c | |
| 6.0E-02 | P | | | 7.0E-04 | P | 2.0E-03 | P | | 1 | 0.1 | | | Chloronitrobenzene, p- | 100-00-5 | 9.0E+00 | c** | 3.6E+01 | c* | 2.1E+00 | n | 8.8E+00 | n | 1.2E+00 | c* | | | 1.1E-03 | c* | |
| | | | | 5.0E-03 | I | | V | | 1 | | 2.7E+04 | | Chlorophenol, 2- | 95-57-8 | 3.9E+02 | n | 5.6E+03 | n | | | | | 9.1E+01 | n | | | 8.9E-02 | n | |
| | | | | | | 4.0E-04 | C | V | 1 | | 6.2E+02 | | Chloropicrin | 76-06-2 | 2.0E+00 | n | 8.2E+00 | n | 4.2E-01 | n | 1.8E+00 | n | 8.3E-01 | n | | | 2.5E-04 | n | |
| 3.1E-03 | C | 8.9E-07 | C | 1.5E-02 | I | | | | 1 | 0.1 | | | Chlorothalonil | 1897-45-6 | 1.8E+02 | c** | 7.4E+02 | c* | 9.3E+00 | c | 1.4E+01 | c | 2.2E+01 | c* | | | 5.0E-02 | c* | |
| | | | | 2.0E-02 | I | | V | | 1 | | 9.1E+02 | | Chlorotoluene, o- | 95-49-8 | 1.6E+03 | na | 2.3E+04 | na | | | | | 2.4E+02 | n | | | 2.3E-01 | n | |
| | | | | 2.0E-02 | X | | V | | 1 | | 2.5E+02 | | Chlorotoluene, p- | 106-43-4 | 1.6E+03 | na | 2.3E+04 | na | | | | | 2.5E+02 | n | | | 2.4E-01 | n | |
| 2.4E+02 | C | 6.9E-02 | C | | | | | | 1 | 0.1 | | | Chlorozotocin | 54749-90-5 | 2.3E-03 | c | 9.6E-03 | c | 4.1E-05 | c | 1.8E-04 | c | 3.2E-04 | c | | | 1.1E-09 | c | |
| | | | | 2.0E-01 | I | | | | 1 | 0.1 | | | Chlorpropham | 101-21-3 | 5.3E+04 | n | 1.6E+06 | nm | | | | | 2.8E+03 | n | | | 2.6E+00 | n | |
| | | | | 1.0E-03 | A | | | | 1 | 0.1 | | | Chlorpyrifos | 2921-88-2 | 6.3E+01 | n | 8.2E+02 | n | | | | | 8.4E+00 | n | | | 1.2E-01 | n | |
| | | | | 1.0E-02 | H | | | | 1 | 0.1 | | | Chlorpyrifos Methyl | 5598-13-0 | 6.3E+02 | n | 8.2E+03 | n | | | | | 1.2E+02 | n | | | 5.4E-01 | n | |
| | | | | 5.0E-02 | I | | | | 1 | 0.1 | | | Chlorsulfuron | 64902-72-3 | 3.2E+03 | n | 4.1E+04 | n | | | | | 9.9E+02 | n | | | 8.3E-01 | n | |
| | | | | 1.0E-02 | I | | | | 1 | 0.1 | | | Chlorthal-dimethyl | 1861-32-1 | 6.3E+02 | n | 8.2E+03 | n | | | | | 1.2E+02 | n | | | 1.9E-01 | n | |
| | | | | 6.0E-04 | H | | | | 1 | 0.1 | | | Chlorthiophos | 60238-56-4 | 5.1E+01 | n | 6.6E+02 | n | | | | | 2.6E+00 | n | | | 7.3E-02 | n | |
| | | | | 1.5E+00 | I | | | | 0.013 | | | | Chromium(III), Insoluble Salts | 16065-83-1 | 1.2E+05 | nm | 1.8E+06 | nm | | | | | 2.9E+04 | n | | | 4.0E+07 | n | |
| 5.0E-01 | J | 8.4E-02 | S | 3.0E-03 | I | 1.0E-04 | I | M | 0.025 | | | | Chromium(VI) | 18540-29-9 | 3.0E-01 | c | 6.3E+00 | c | 1.2E-05 | c | 1.5E-04 | c | 3.5E-02 | c | | | 8.7E-04 | c | |
| | | | | | | | | | 0.013 | | | | Chromium, Total | 7440-47-3 | | | | | | | | | | | 1.0E+02 | | | | 1.3E+05 |
| | | | | 1.3E-02 | I | | | | 1 | 0.1 | | | Cloforulazine | 74115-24-5 | 8.2E+02 | n | 1.1E+04 | n | | | | | 2.3E+02 | n | | | 1.4E+01 | n | |

TR=1E-0
THQ=1.0

Key: I = IRIS, P = PPRTV, A = ATSDR, C = Cal EPA, X = APPENDIX PPRTV SCREEN (See FAQ #27), H = HEAST, F = See FAQ, J = New Jersey, O = EPA Office of Water, E = see user guide Section 2.3.5, L = see user guide on lead, M = mutagen, S = see user guide Section 5, V = volatile, R = RBA applied (See User Guide for Arsenic notice) ; c = cancer, n = noncancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; SSL values are based on DAF=1; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide)

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | | Contaminant | | Screening Levels | | | | | | | | | | | | Protection of Ground Water SSLs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | s o y | IUR (ug/m$^3$)$^{-1}$ | s o y | $RfD_o$ (mg/kg-day) | s o y | $RfC_i$ (mg/m$^3$) | s o y | mutagen | GIABS | ABS | $C_{sat}$ (mg/kg) | Analyte | CAS No. | Resident Soil (mg/kg) | key | Industrial Soil (mg/kg) | key | Resident Air (ug/m$^3$) | key | Industrial Air (ug/m$^3$) | key | Tapwater (ug/L) | key | MCL (ug/L) | Risk-based SSL (mg/kg) | key | MCL-based SSL (mg/kg) |
| | | 9.0E-03 P | | 3.0E-04 | P | 6.0E-06 | P | | 1 | | | Cobalt | 7440-48-4 | 2.3E+01 | n | 3.5E+02 | n | 5.1E-04 | c* | 1.4E-03 | c* | 6.0E+00 | n | | 2.7E-01 | n | |
| | | 6.2E-04 I | | | | | | V M | 1 | | | Coke Oven Emissions | 8007-45-2 | | | | | 1.6E-03 | c | 2.0E-02 | c | | | | | | |
| | | | | 4.0E-02 | H | | | | 1 | | | Copper | 7440-50-8 | 3.1E+03 | n | 4.7E+04 | n | | | | | 8.0E+02 | n | 1.3E+03 | 2.8E+01 | n | 9.6E+01 |
| | | | | 5.0E-02 | I | 6.0E-01 | C | | 1 | 0.1 | | Cresol, m- | 108-39-4 | 3.2E+03 | n | 4.1E+04 | n | 6.3E+02 | n | 2.6E+03 | n | 9.3E+02 | n | | 7.4E-01 | n | |
| | | | | 5.0E-02 | I | 6.0E-01 | C | | 1 | 0.1 | | Cresol, o- | 95-48-7 | 3.2E+03 | n | 4.1E+04 | n | 6.3E+02 | n | 2.6E+03 | n | 9.3E+02 | n | | 7.6E-01 | n | |
| | | | | 1.0E-01 | A | 6.0E-01 | C | | 1 | 0.1 | | Cresol, p- | 106-44-5 | 6.3E+03 | n | 8.2E+04 | n | 6.3E+02 | n | 2.6E+03 | n | 1.9E+03 | n | | 1.0E+00 | n | |
| | | | | 1.0E-01 | A | | | | 1 | 0.1 | | Cresol, p-chloro-m- | 59-50-7 | 6.3E+03 | n | 8.2E+04 | n | | | | | 1.4E+03 | n | | 1.7E+00 | n | |
| | | | | 1.0E-01 | A | 6.0E-01 | C | | 1 | 0.1 | | Cresols | 1319-77-3 | 6.3E+03 | n | 8.2E+04 | n | 6.3E+02 | n | 2.6E+03 | n | 1.0E+03 | n | | 1.3E+00 | n | |
| 1.9E+00 | H | | | 1.0E-03 | P | | | V | 1 | | 1.7E+04 | Crotonaldehyde, trans- | 123-73-9 | 3.7E-01 | c | 1.7E+00 | c | | | | | 4.0E-02 | c | | 8.2E-06 | c | |
| | | | | 1.0E-01 | I | 4.0E-01 | I | V | 1 | | 2.7E+02 | Cumene | 98-82-8 | 1.9E+03 | ns | 8.9E+03 | ns | 4.2E+02 | n | 1.8E+03 | n | 4.5E+02 | n | | 7.4E-01 | n | |
| 2.2E-01 | C | 6.3E-05 C | | | | | | | 1 | 0.1 | | Cupferron | 135-20-6 | 2.5E+00 | c | 1.0E+01 | c | 4.6E-02 | c | 1.9E-01 | c | 3.6E-01 | c | | 8.1E-04 | c | |
| 8.4E-01 | H | | | 2.0E-03 | H | | | | 1 | 0.1 | | Cyanazine | 21725-46-2 | 6.5E-01 | c | 2.7E+00 | c | | | | | 9.9E-02 | c | | 4.1E-05 | c | |
| | | | | | | | | | | | | Cyanides | | | | | | | | | | | | | | | |
| | | | | 1.0E-03 | I | | | | 1 | | | -Calcium Cyanide | 592-01-8 | 7.8E+01 | n | 1.2E+03 | n | | | | | 2.0E+01 | n | | | n | |
| | | | | 5.0E-03 | I | | | | 1 | | | -Copper Cyanide | 544-92-3 | 3.9E+02 | n | 5.8E+03 | n | | | | | 1.0E+02 | n | | | n | |
| | | | | 6.0E-04 | I | 8.0E-04 | S | V | 1 | | 9.5E+05 | -Cyanide (CN-) | 57-12-5 | 2.3E+01 | n | 1.5E+02 | n | 8.3E-01 | n | 3.5E+00 | n | 1.5E+00 | n | 2.0E+02 | 1.5E-02 | n | 2.0E+00 |
| | | | | 1.0E-03 | I | | | V | 1 | | | -Cyanogen | 460-19-5 | 7.8E+01 | n | 1.2E+03 | n | | | | | 2.0E+01 | n | | | n | |
| | | | | 9.0E-02 | I | | | V | 1 | | | -Cyanogen Bromide | 506-68-3 | 7.0E+03 | n | 1.1E+05 | nm | | | | | 1.8E+03 | n | | | n | |
| | | | | 5.0E-02 | I | | | V | 1 | | | -Cyanogen Chloride | 506-77-4 | 3.9E+03 | n | 5.8E+04 | n | | | | | 1.0E+03 | n | | | n | |
| | | | | 6.0E-04 | I | 8.0E-04 | I | V | 1 | | 1.0E+07 | -Hydrogen Cyanide | 74-90-8 | 2.3E+01 | n | 1.5E+02 | n | 8.3E-01 | n | 3.5E+00 | n | 1.5E+00 | n | | 1.5E-02 | n | |
| | | | | 2.0E-03 | I | | | | 1 | | | -Potassium Cyanide | 151-50-8 | 1.6E+02 | n | 2.3E+03 | n | | | | | 4.0E+01 | n | | | n | |
| | | | | 5.0E-03 | I | | | | 0.04 | | | -Potassium Silver Cyanide | 506-61-6 | 3.9E+02 | n | 5.8E+03 | n | | | | | 9.2E+01 | n | | | n | |
| | | | | 1.0E-01 | I | | | | 0.04 | | | -Silver Cyanide | 506-64-9 | 7.8E+03 | n | 1.2E+05 | nm | | | | | 1.8E+03 | n | | | n | |
| | | | | 1.0E-03 | I | | | | 1 | | | -Sodium Cyanide | 143-33-9 | 7.8E+01 | n | 1.2E+03 | n | | | | | 2.0E+01 | n | 2.0E+02 | | n | |
| | | | | 2.0E-04 | P | | | | 1 | | | -Thiocyanates | NA | 1.6E+01 | n | 2.3E+02 | n | | | | | 4.0E+00 | n | | | n | |
| | | | | 2.0E-04 | X | | | V | 1 | | | -Thiocyanic Acid | 463-56-9 | 1.6E+01 | n | 2.3E+02 | n | | | | | 4.0E+00 | n | | | n | |
| | | | | 5.0E-02 | I | | | | 1 | | | -Zinc Cyanide | 557-21-1 | 3.9E+03 | n | 5.8E+04 | n | | | | | 1.0E+03 | n | | | n | |
| | | | | | | 6.0E+00 | I | V | 1 | | 1.2E+02 | Cyclohexane | 110-82-7 | 6.5E+03 | ns | 2.7E+04 | ns | 6.3E+03 | n | 2.0E+04 | n | 1.3E+04 | n | | 1.3E+01 | n | |
| 2.3E-02 | H | | | | | | | | 1 | 0.1 | | Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro- | 87-84-3 | 2.4E+01 | c | 1.0E+02 | c | | | | | 2.4E+00 | c | | 1.4E-02 | c | |
| | | | | 5.0E+00 | I | 7.0E-01 | P | V | 1 | | 5.1E+03 | Cyclohexanone | 108-94-1 | 2.8E+04 | ns | 1.3E+06 | nsm | 7.3E+02 | n | 3.1E+03 | n | 1.4E+03 | n | | 3.4E-01 | n | |
| | | | | 5.0E-03 | P | 1.0E+00 | X | V | 1 | | 2.6E+02 | Cyclohexene | 110-83-8 | 3.1E+02 | ns | 3.1E+03 | ns | 1.0E+03 | n | 4.4E+03 | n | 7.0E+01 | n | | 4.6E-02 | n | |
| | | | | 2.0E-01 | I | | | V | 1 | | 2.5E+05 | Cyclohexylamine | 108-91-8 | 1.6E+04 | n | 2.3E+05 | nm | | | | | 3.8E+03 | n | | 1.0E+00 | n | |
| | | | | 2.5E-02 | I | | | | 1 | 0.1 | | Cyfluthrin | 68359-37-5 | 1.6E+03 | n | 2.1E+04 | n | | | | | 1.2E+02 | n | | 3.1E+01 | n | |
| | | | | 5.0E-03 | I | | | | 1 | 0.1 | | Cyhalothrin | 68085-85-8 | 3.2E+02 | n | 4.1E+03 | n | | | | | 1.0E+02 | n | | 8.5E+01 | n | |
| | | | | 1.0E-02 | I | | | | 1 | 0.1 | | Cypermethrin | 52315-07-8 | 6.3E+02 | n | 8.2E+03 | n | | | | | 2.0E+02 | n | | 3.2E+01 | n | |
| | | | | 7.5E-03 | I | | | | 1 | 0.1 | | Cyromazine | 66215-27-8 | 4.7E+02 | n | 6.2E+03 | n | | | | | 1.5E+02 | n | | 3.6E-02 | n | |
| 2.4E-01 | I | 6.9E-05 C | | | | | | | 1 | 0.1 | | DDD | 72-54-8 | 2.3E+00 | c | 9.6E+00 | c | 4.1E-02 | c | 1.8E-01 | c | 3.2E-02 | c | | 7.5E-03 | c | |
| 3.4E-01 | I | 9.7E-05 C | | | | | | V | 1 | | | DDE, p,p'- | 72-55-9 | 2.0E+00 | c | 9.3E+00 | c | 2.9E-02 | c | 1.3E-01 | c | 4.6E-02 | c | | 1.1E-02 | c | |
| 3.4E-01 | I | 9.7E-05 I | | 5.0E-04 | I | | | | 1 | 0.03 | | DDT | 50-29-3 | 1.9E+00 | c* | 8.5E+00 | c* | 2.9E-02 | c | 1.3E-01 | c | 2.3E-01 | c* | | 7.7E-02 | c* | |
| | | | | 3.0E-02 | I | | | | 1 | 0.1 | | Dalapon | 75-99-0 | 1.9E+03 | n | 2.5E+04 | n | | | | | 6.0E+02 | n | 2.0E+02 | 1.2E-01 | n | 4.1E-02 |
| 1.8E-02 | C | 5.1E-06 C | | 1.5E-01 | I | | | | 1 | 0.1 | | Daminozide | 1596-84-5 | 3.0E+01 | c | 1.3E+02 | c | 5.5E-01 | c | 2.4E+00 | c | 4.3E+00 | c | | 9.6E-04 | c | |
| 7.0E-04 | I | | | 7.0E-03 | I | | | | 1 | 0.1 | | Decabromodiphenyl ether (2,2',3,3',4,4',5,5',6,6'-BDE-209) | 1163-19-5 | 4.4E+02 | ns | 3.3E+03 | c** | | | | | 1.1E+02 | c** | | 6.2E+01 | c** | |
| | | | | 4.0E-05 | I | | | | 1 | 0.1 | | Demeton | 8065-48-3 | 2.5E+00 | n | 3.3E+01 | n | | | | | 4.2E-01 | n | | | n | |
| 1.2E-03 | I | | | 6.0E-01 | I | | | | 1 | 0.1 | | Di(2-ethylhexyl)adipate | 103-23-1 | 4.6E+02 | c* | 1.9E+03 | c | | | | | 8.5E+01 | c | 4.0E+02 | 4.7E+00 | c | 2.9E+01 |
| 6.1E-02 | H | | | | | | | | 1 | 0.1 | | Diallate | 2303-16-4 | 8.9E+00 | c | 3.8E+01 | c | | | | | 5.4E-01 | c | | 8.0E-04 | c | |
| | | | | 7.0E-04 | A | | | | 1 | 0.1 | | Diazinon | 333-41-5 | 4.4E+01 | n | 5.7E+02 | n | | | | | 1.0E+01 | n | | 8.5E-02 | n | |
| | | | | 1.0E-02 | X | | | V | 1 | | | Dibenzothiophene | 132-65-0 | 7.8E+02 | n | 1.2E+04 | n | | | | | 8.5E+01 | n | | 1.2E+00 | n | |
| 8.0E-01 | P | 6.0E-03 P | | 2.0E-04 | P | 2.0E-04 | I | V M | 1 | | 9.8E+02 | Dibromo-3-chloropropane, 1,2- | 96-12-8 | 5.3E-03 | c | 6.4E-02 | c | 1.7E-04 | c | 2.0E-03 | c | 3.3E-04 | c | 2.0E-01 | 1.4E-07 | c | 8.6E-06 |
| | | | | 4.0E-04 | X | | | V | 1 | | 1.0E+02 | Dibromobenzene, 1,3- | 108-36-1 | 3.1E+01 | n | 4.1E+02 | ns | | | | | 5.3E+00 | n | | 9.1E-03 | n | |
| | | | | 1.0E-02 | I | | | V | 1 | | | Dibromobenzene, 1,4- | 106-37-6 | 7.8E+02 | n | 1.2E+04 | n | | | | | 1.3E+02 | n | | 1.2E-01 | n | |
| 8.4E-02 | I | | | 2.0E-02 | I | | | V | 1 | | 8.0E+02 | Dibromochloromethane | 124-48-1 | 6.3E+00 | c | 3.9E+01 | c | | | | | 8.7E-01 | c | 6.0E+01(F) | 2.3E-04 | c | 2.1E-02 |
| 2.0E+00 | I | 8.0E-04 I | | 9.0E-03 | I | 9.0E-03 | I | V | 1 | | 1.3E+03 | Dibromoethane, 1,2- | 106-93-4 | 3.6E-02 | c | 1.6E-01 | c | 4.7E-03 | c | 2.0E-02 | c | 7.5E-03 | c | 5.0E-02 | 2.1E-06 | c | 1.4E-05 |
| | | | | | | 4.0E-03 | X | V | 1 | | 2.8E+03 | Dibromomethane (Methylene Bromide) | 74-95-3 | 2.4E+01 | n | 9.9E+01 | n | 4.2E+00 | n | 1.8E+01 | n | 8.3E+00 | n | | 2.1E-03 | n | |
| | | | | 3.0E-04 | P | | | | 1 | 0.1 | | Dibutyltin Compounds | NA | 1.9E+01 | n | 2.5E+02 | n | | | | | 6.0E+00 | n | | | n | |
| | | | | 3.0E-02 | I | | | | 1 | 0.1 | | Dicamba | 1918-00-9 | 1.9E+03 | n | 2.5E+04 | n | | | | | 5.7E+02 | n | | 1.5E-01 | n | |
| | | 4.2E-03 P | | | | | | V | 1 | | 5.5E+02 | Dichloro-2-butene, 1,4- | 764-41-0 | 2.1E-03 | c | 9.4E-03 | c | 6.7E-04 | c | 2.9E-03 | c | 1.3E-03 | c | | 6.6E-07 | c | |
| | | 4.2E-03 P | | | | | | V | 1 | | 5.2E+02 | Dichloro-2-butene, cis-1,4- | 1476-11-5 | 7.4E-03 | c | 3.2E-02 | c | 6.7E-04 | c | 2.9E-03 | c | 1.3E-03 | c | | 6.2E-07 | c | |
| | | 4.2E-03 P | | | | | | V | 1 | | 7.6E+02 | Dichloro-2-butene, trans-1,4- | 110-57-6 | 7.4E-03 | c | 3.2E-02 | c | 6.7E-04 | c | 2.9E-03 | c | 1.3E-03 | c | | 8.2E-07 | c | |
| 5.0E-02 | I | | | 4.0E-03 | I | | | | 1 | 0.1 | | Dichloroacetic Acid | 79-43-6 | 1.1E+01 | c* | 4.6E+01 | c* | | | | | 1.5E+00 | c* | 6.0E+01 | 3.1E-04 | c* | 1.2E-02 |
| | | | | 9.0E-02 | I | 2.0E-01 | H | V | 1 | | 3.8E+02 | Dichlorobenzene, 1,2- | 95-50-1 | 1.8E+03 | ns | 9.3E+03 | ns | 2.1E+02 | n | 8.8E+02 | n | 3.0E+02 | n | 6.0E+02 | 3.0E-01 | n | 8.8E-01 |
| 5.4E-03 | C | 1.1E-05 C | | 7.0E-02 | A | 8.0E-01 | I | V | 1 | | | Dichlorobenzene, 1,4- | 106-46-7 | 2.6E+00 | c | 1.1E+01 | c | 2.6E-01 | c | 1.1E+00 | c | 4.8E-01 | c | 7.5E+01 | 4.6E-04 | c | 7.2E-02 |
| 4.5E-01 | I | 3.4E-04 C | | | | | | | 1 | 0.1 | | Dichlorobenzidine, 3,3'- | 91-94-1 | 1.2E+00 | c | 5.1E+00 | c | 8.3E-03 | c | 3.5E-02 | c | 1.3E-01 | c | | 8.2E-04 | c | |
| | | | | 9.0E-03 | X | | | | 1 | 0.1 | | Dichlorobenzophenone, 4,4'- | 90-98-2 | 5.7E+02 | n | 7.4E+03 | n | | | | | 7.8E+01 | n | | 4.7E-01 | n | |
| | | | | 2.0E-01 | I | 1.0E-01 | X | V | 1 | | 8.5E+02 | Dichlorodifluoromethane | 75-71-8 | 8.7E+01 | n | 3.7E+02 | n | 1.0E+02 | n | 4.4E+02 | n | 2.0E+02 | n | | 3.0E-01 | n | |
| 5.7E-03 | C | 1.6E-06 C | | 2.0E-01 | P | | | V | 1 | | 1.7E+03 | Dichloroethane, 1,1- | 75-34-3 | 3.6E+00 | c | 1.6E+01 | c | 1.9E+00 | c | 7.7E+00 | c | 2.8E+00 | c | | 7.8E-04 | c | |
| 9.1E-02 | I | 2.6E-05 I | | 6.0E-03 | X | 7.0E-03 | P | V | 1 | | 3.0E+03 | Dichloroethane, 1,2- | 107-06-2 | 4.6E-01 | c* | 2.0E+00 | c* | 1.1E-01 | c* | 4.7E-01 | c* | 1.7E-01 | c* | 5.0E+00 | 4.6E-06 | c* | 1.4E-03 |
| | | | | 5.0E-02 | I | 2.0E-01 | I | V | 1 | | 1.2E+03 | Dichloroethylene, 1,1- | 75-35-4 | 2.3E+02 | n | 1.0E+03 | n | 2.1E+02 | n | 8.8E+02 | n | 2.8E+02 | n | 7.0E+00 | 1.9E-01 | n | 2.6E-03 |
| | | | | 2.0E-03 | I | | | V | 1 | | 2.4E+03 | Dichloroethylene, 1,2-cis- | 156-59-2 | 1.6E+02 | n | 2.3E+03 | n | | | | | 3.6E+01 | n | 7.0E+01 | 1.1E-02 | n | 2.1E-02 |
| | | | | 2.0E-02 | I | | | V | 1 | | 1.9E+03 | Dichloroethylene, 1,2-trans- | 156-60-5 | 1.6E+03 | n | 2.3E+04 | ns | | | | | 3.6E+02 | n | 1.0E+02 | 1.1E-01 | n | 3.1E-02 |
| | | | | 3.0E-03 | I | | | | 1 | 0.1 | | Dichlorophenol, 2,4- | 120-83-2 | 1.9E+02 | n | 2.5E+03 | n | | | | | 4.6E+01 | n | | 2.3E-02 | n | |
| | | | | 1.0E-02 | I | | | | 1 | 0.05 | | Dichlorophenoxy Acetic Acid, 2,4- | 94-75-7 | 7.0E+02 | n | 9.0E+03 | n | | | | | 1.7E+02 | n | 7.0E+01 | 4.5E-02 | n | 1.8E-02 |
| | | | | 8.0E-03 | I | | | | 1 | 0.1 | | Dichlorophenoxybutyric Acid, 4-(2,4- | 94-82-6 | 5.1E+02 | n | 6.6E+03 | n | | | | | 1.2E+02 | n | | 1.1E-01 | n | |
| 3.6E-02 | C | 1.0E-05 C | | 9.0E-02 | A | 4.0E-03 | I | V | 1 | | 1.4E+03 | Dichloropropane, 1,2- | 78-87-5 | 1.0E+00 | c* | 4.4E+00 | c* | 2.6E-01 | c* | 1.2E+00 | c* | 4.4E-01 | c* | 5.0E+00 | 1.5E-04 | c* | 1.7E-03 |
| | | | | 2.0E-02 | P | | | V | 1 | | 1.6E+03 | Dichloropropane, 1,3- | 142-28-9 | 1.6E+03 | ns | 2.3E+04 | ns | | | | | 3.7E+02 | n | | 1.3E-01 | n | |
| | | | | 3.0E-03 | I | | | | 1 | 0.1 | | Dichloropropanol, 2,3- | 616-23-9 | 1.9E+02 | n | 2.5E+03 | n | | | | | 5.6E+01 | n | | 1.3E-02 | n | |
| 1.0E-01 | I | 4.0E-06 I | | 3.0E-02 | I | 2.0E-02 | I | V | 1 | | 1.6E+03 | Dichloropropene, 1,3- | 542-75-6 | 1.6E+00 | c* | 6.2E+00 | c* | 7.0E-01 | c* | 3.1E+00 | c* | 4.7E-01 | c* | | 1.7E-04 | c* | |

TR=1E-0
HQ=1.0

Key: I = IRIS, P = PPRTV, A = ATSDR, C = Cal EPA; X = APPENDIX PPRTV SCREEN (See FAQ #27); H = HEAST; F = See FAQ; J = New Jersey; O = EPA Office of Water; E = see user guide Section 2.3.5; L = see user guide on lead; M = mutagen; S = see user guide Section 5; V = volatile; R = RBA applied (See User Guide for Arsenic notice); c = cancer; n = noncancer; * = where n SL < 100X c SL; ** = where n SL < 10X c SL; SSL values are based on DAF=1; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide)

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | | | | Contaminant | | Screening Levels | | | | | | | | | | | | Protection of Ground Water SSLs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | key | IUR (ug/m$^3$)$^{-1}$ | key | RfD$_o$ (mg/kg-day) | key | RfC$_i$ (mg/m$^3$) | key | mutagen | GIABS | ABS | $C_{sat}$ (mg/kg) | Analyte | CAS No. | Resident Soil (mg/kg) | key | Industrial Soil (mg/kg) | key | Resident Air (ug/m$^3$) | key | Industrial Air (ug/m$^3$) | key | Tapwater (ug/L) | key | MCL (ug/L) | Risk-based SSL (mg/kg) | key | MCL-based SSL (mg/kg) |
| 2.9E-01 | I | 8.3E-05 | C | 5.0E-04 | I | 5.0E-04 | I | | 1 | 0.1 | | Dichlorvos | 62-73-7 | 1.9E+00 | c* | 7.9E+00 | c* | 3.4E-02 | c* | 1.6E-01 | c* | 2.6E-01 | c* | | 8.1E-05 | c* | | |
| | | | | 1.0E-04 | I | | | | 1 | 0.1 | | Dicrotophos | 141-66-2 | 6.3E+00 | n | 8.2E+01 | n | | | | | 2.0E+00 | n | | 4.7E-04 | n | | |
| | | | | 8.0E-02 | P | 3.0E-04 | X | V | 1 | | 2.6E+02 | Dicyclopentadiene | 77-73-6 | 1.3E+00 | n | 5.4E+00 | n | 3.1E-01 | n | 1.3E+00 | n | 6.3E-01 | n | | 2.2E-03 | n | | |
| 1.6E+01 | I | 4.6E-03 | I | 5.0E-05 | I | | | | 1 | 0.1 | | Dieldrin | 60-57-1 | 3.4E-02 | c* | 1.4E-01 | c | 6.1E-04 | c | 2.7E-03 | c | 1.8E-03 | c | | 7.1E-05 | c | | |
| | | 3.0E-04 | C | | | 5.0E-03 | I | | 1 | 0.1 | | Diesel Engine Exhaust | NA | | | | | 9.4E-03 | c | 4.1E-02 | c | | | | | | | |
| | | | | 2.0E-03 | P | 2.0E-04 | P | | 1 | 0.1 | | Diethanolamine | 111-42-2 | 1.3E+02 | n | 1.6E+03 | n | 2.1E-01 | n | 8.8E-01 | n | 4.0E+01 | n | | 8.1E-03 | n | | |
| | | | | 3.0E-02 | P | 1.0E-04 | P | | 1 | 0.1 | | Diethylene Glycol Monobutyl Ether | 112-34-5 | 1.9E+03 | n | 2.4E+04 | n | 1.0E-01 | n | 4.4E-01 | n | 6.0E+02 | n | | 1.3E-01 | n | | |
| | | | | 6.0E-02 | P | 3.0E-04 | P | | 1 | 0.1 | | Diethylene Glycol Monoethyl Ether | 111-90-0 | 3.8E+03 | n | 4.8E+04 | n | 3.1E-01 | n | 1.3E+00 | n | 1.2E+03 | n | | 2.4E-01 | n | | |
| | | | | 1.0E-03 | P | | | V | 1 | | 1.1E+05 | Diethylformamide | 617-84-5 | 7.8E+01 | n | 1.2E+03 | n | | | | | 2.0E+01 | n | | 4.1E-03 | n | | |
| 3.5E+02 | C | 1.0E-01 | C | | | | | | 1 | 0.1 | | Diethylstilbestrol | 56-53-1 | 1.6E-03 | c | 6.6E-03 | c | 2.8E-05 | c | 1.2E-04 | c | 5.1E-05 | c | | 2.8E-06 | c | | |
| | | | | 8.0E-02 | I | | | | 1 | 0.1 | | Difenzoquat | 43222-48-6 | 5.1E+03 | n | 6.8E+04 | n | | | | | 1.6E+03 | n | | 2.6E+02 | n | | |
| | | | | 2.0E-02 | I | | | | 1 | 0.1 | | Diflubenzuron | 35367-38-5 | 1.3E+03 | n | 1.6E+04 | n | | | | | 2.9E+02 | n | | 3.3E-01 | n | | |
| | | | | | | 4.0E+01 | I | V | 1 | | 1.4E+03 | Difluoroethane, 1,1- | 75-37-6 | 4.6E+04 | na | 2.0E+05 | nna | 4.2E+04 | n | 1.8E+05 | n | 8.3E+04 | n | | 2.8E+01 | n | | |
| 4.4E-02 | C | 1.3E-05 | C | | | | | V | 1 | | | Dihydrosafrole | 94-58-6 | 8.9E+00 | c | 4.5E+01 | c | 2.2E-01 | c | 9.4E-01 | c | 9.0E-01 | c | | 1.9E-04 | c | | |
| | | | | | | 7.0E-01 | P | V | 1 | | 2.3E+03 | Diisopropyl Ether | 108-20-3 | 2.2E+03 | n | 9.4E+03 | na | 7.3E+02 | n | 3.1E+03 | n | 1.5E+03 | n | | 3.7E-01 | n | | |
| | | | | 8.0E-02 | I | | | V | 1 | | 6.3E+02 | Diisopropyl Methylphosphonate | 1445-75-6 | 6.3E+03 | na | 9.3E+04 | na | | | | | 1.6E+03 | n | | 4.5E-01 | n | | |
| | | | | 2.0E-02 | I | | | | 1 | 0.1 | | Dimetilan | 55290-64-7 | 1.3E+03 | n | 1.6E+04 | n | | | | | 4.0E+02 | n | | 8.8E-02 | n | | |
| | | | | 2.0E-04 | I | | | | 1 | 0.1 | | Dimethoate | 60-51-5 | 1.3E+01 | n | 1.6E+02 | n | | | | | 4.0E+00 | n | | 9.0E-04 | n | | |
| 1.6E+00 | P | | | | | | | | 1 | 0.1 | | Dimethoxybenzidine, 3,3'- | 119-90-4 | 3.4E-01 | c | 1.4E+00 | c | | | | | 4.7E-02 | c | | 5.6E-06 | c | | |
| 1.7E-03 | P | | | 6.0E-02 | P | | | | 1 | 0.1 | | Dimethyl methylphosphonate | 756-79-6 | 3.2E+02 | c* | 1.4E+03 | c* | | | | | 4.6E+01 | c* | | 9.6E-03 | c* | | |
| 4.6E+00 | C | 1.3E-03 | C | | | | | | 1 | 0.1 | | Dimethylamino azobenzene [p-] | 60-11-7 | 1.2E-01 | c | 5.0E-01 | c | 2.2E-03 | c | 9.4E-03 | c | 5.0E-03 | c | | 2.1E-05 | c | | |
| 5.9E-01 | H | | | | | | | | 1 | 0.1 | | Dimethylaniline HCl, 2,4- | 21436-96-4 | 9.4E-01 | c | 4.0E+00 | c | | | | | 1.3E-01 | c | | 1.2E-04 | c | | |
| 2.0E-01 | P | | | 2.0E-03 | X | | | | 1 | 0.1 | | Dimethylaniline, 2,4- | 95-68-1 | 2.7E+00 | c* | 1.1E+01 | c | | | | | 3.7E-01 | c | | 2.1E-04 | c | | |
| | | | | 2.0E-03 | I | | | V | 1 | | 8.3E+02 | Dimethylaniline, N,N- | 121-69-7 | 1.6E+02 | n | 2.3E+03 | na | | | | | 3.6E+01 | n | | 1.3E-02 | n | | |
| 1.1E+01 | P | | | | | | | | 1 | 0.1 | | Dimethylbenzidine, 3,3'- | 119-93-7 | 4.6E-02 | c | 2.1E-01 | c | | | | | 6.5E-03 | c | | 4.3E-05 | c | | |
| | | | | 1.0E-01 | P | 3.0E-02 | I | V | 1 | | 1.1E+05 | Dimethylformamide | 68-12-2 | 2.6E+03 | n | 1.5E+04 | n | 2.1E+01 | n | 1.3E+02 | n | 6.1E+01 | n | | 1.7E-07 | n | | |
| | | | | 1.0E-04 | X | 2.0E-06 | X | V | 1 | | 1.7E+05 | Dimethylhydrazine, 1,1- | 57-14-7 | 5.7E-02 | n | 2.4E-01 | n | 2.1E-03 | n | 8.8E-03 | n | 4.2E-03 | n | | 9.3E-07 | n | | |
| 5.9E+02 | C | 1.6E-01 | C | | | | | V | 1 | | 1.8E+05 | Dimethylhydrazine, 1,2- | 540-73-8 | 8.8E-04 | c | 4.1E-03 | c | 1.8E-06 | c | 7.7E-06 | c | 2.8E-05 | c | | 6.0E-09 | c | | |
| | | | | 2.0E-02 | I | | | | 1 | 0.1 | | Dimethylphenol, 2,4- | 105-67-9 | 1.3E+03 | n | 1.6E+04 | n | | | | | 3.6E+02 | n | | 4.2E-01 | n | | |
| | | | | 6.0E-04 | I | | | | 1 | 0.1 | | Dimethylphenol, 2,6- | 576-26-1 | 3.8E+01 | n | 4.9E+02 | n | | | | | 1.1E+01 | n | | 1.3E-02 | n | | |
| | | | | 1.0E-03 | I | | | | 1 | 0.1 | | Dimethylphenol, 3,4- | 95-65-8 | 6.3E+01 | n | 8.2E+02 | n | | | | | 1.8E+01 | n | | 2.1E-02 | n | | |
| 4.5E-02 | C | 1.3E-05 | C | | | | | V | 1 | | 4.7E+02 | Dimethylvinylchloride | 513-37-1 | 1.1E+00 | c | 4.8E+00 | c | 2.2E-01 | c | 9.4E-01 | c | 3.3E-01 | c | | 1.1E-04 | c | | |
| | | | | 8.0E-05 | X | | | | 1 | 0.1 | | Dinitro-o-cresol, 4,6- | 534-52-1 | 5.1E+00 | n | 6.6E+01 | n | | | | | 1.5E+00 | n | | 2.6E-03 | n | | |
| | | | | 2.0E-03 | I | | | | 1 | 0.1 | | Dinitro-o-cyclohexyl Phenol, 4,6- | 131-89-5 | 1.3E+02 | n | 1.6E+03 | n | | | | | 2.7E+01 | n | | 7.7E-01 | n | | |
| | | | | 1.0E-04 | P | | | | 1 | 0.1 | | Dinitrobenzene, 1,2- | 528-29-0 | 6.3E+00 | n | 8.2E+01 | n | | | | | 1.9E+00 | n | | 1.8E-03 | n | | |
| | | | | 1.0E-04 | I | | | | 1 | 0.1 | | Dinitrobenzene, 1,3- | 99-65-0 | 6.3E+00 | n | 8.2E+01 | n | | | | | 2.0E+00 | n | | 1.9E-03 | n | | |
| | | | | 1.0E-04 | P | | | | 1 | 0.1 | | Dinitrobenzene, 1,4- | 100-25-4 | 6.3E+00 | n | 8.2E+01 | n | | | | | 2.0E+00 | n | | 1.8E-03 | n | | |
| | | | | 2.0E-03 | I | | | | 1 | 0.1 | | Dinitrophenol, 2,4- | 51-28-5 | 1.3E+02 | n | 1.6E+03 | n | | | | | 3.9E+01 | n | | 4.4E-02 | n | | |
| 6.8E-01 | I | | | | | | | | 1 | 0.1 | | Dinitrotoluene Mixture, 2,4/2,6- | NA | 8.0E-01 | c | 3.4E+00 | c | | | | | 1.1E-01 | c | | 1.8E-04 | c | | |
| 3.1E-01 | C | 8.9E-05 | C | 2.0E-03 | I | | | | 1 | 0.102 | | Dinitrotoluene, 2,4- | 121-14-2 | 1.7E+00 | c* | 7.4E+00 | c | 3.8E-02 | c | 1.4E-01 | c | 2.4E-01 | c | | 3.2E-04 | c | | |
| 1.5E+00 | P | | | 3.0E-04 | X | | | | 1 | 0.099 | | Dinitrotoluene, 2,6- | 606-20-2 | 3.6E-01 | c* | 1.5E+00 | c | | | | | 4.9E-02 | c | | 6.7E-06 | c | | |
| | | | | 2.0E-03 | S | | | | 1 | 0.006 | | Dinitrotoluene, 2-Amino-4,6- | 35572-78-2 | 1.5E+02 | n | 2.3E+03 | n | | | | | 3.9E+01 | n | | 3.0E-02 | n | | |
| | | | | 2.0E-03 | S | | | | 1 | 0.009 | | Dinitrotoluene, 4-Amino-2,6- | 19406-51-0 | 1.5E+02 | n | 2.3E+03 | n | | | | | 3.9E+01 | n | | 3.0E-02 | n | | |
| 4.5E-01 | X | | | 9.0E-04 | X | | | | 1 | 0.1 | | Dinitrotoluene, Technical grade | 25321-14-6 | 1.2E+00 | c* | 5.1E+00 | c | | | | | 1.0E-01 | c | | 1.4E-04 | c | | |
| | | | | 1.0E-03 | I | | | | 1 | 0.1 | | Dinoseb | 88-85-7 | 6.3E+01 | n | 8.2E+02 | n | | | | | 1.5E+01 | n | 7.0E+00 | 1.3E-01 | n | 6.2E-02 | |
| 1.0E-01 | I | 6.0E-06 | I | 3.0E-02 | I | 3.0E-02 | I | V | 1 | | 1.2E+05 | Dioxane, 1,4- | 123-91-1 | 5.3E+00 | c | 2.4E+01 | c | 8.8E-01 | c* | 2.5E+00 | c* | 4.6E-01 | c | | 9.4E-05 | c | | |
| | | | | | | | | | | | | Dioxins | | | | | | | | | | | | | | | | |
| 6.2E+03 | I | 1.3E+00 | I | | | | | | 1 | 0.03 | | 1-Hexachlorodibenzo-p-dioxin, Mixture | NA | 1.0E-04 | c | 4.7E-04 | c | 2.2E-06 | c | 9.4E-06 | c | 1.3E-05 | c | | 1.7E-08 | c | | |
| 1.3E+05 | C | 3.8E+01 | C | 7.0E-10 | I | 4.0E-08 | C | V | 1 | 0.03 | | 1-TCDD, 2,3,7,8- | 1746-01-6 | 4.8E-06 | c* | 2.2E-05 | c* | 7.4E-08 | c | 3.2E-07 | c | 1.2E-07 | c | 3.0E-08 | 5.9E-08 | c | 1.8E-05 | |
| | | | | 3.0E-02 | I | | | | 1 | 0.1 | | Diphenamid | 957-51-7 | 1.9E+03 | n | 2.5E+04 | n | | | | | 6.3E+02 | n | | 6.2E+00 | n | | |
| | | | | 6.0E-04 | X | | | | 1 | 0.1 | | Diphenyl Sulfone | 127-63-9 | 5.1E+01 | n | 6.6E+02 | n | | | | | 1.5E+01 | n | | 3.0E-02 | n | | |
| | | | | 2.0E-02 | I | | | | 1 | 0.1 | | Diphenylamine | 122-39-4 | 1.6E+03 | n | 2.1E+04 | n | | | | | 3.1E+02 | n | | 6.8E-01 | n | | |
| 8.0E-01 | I | 2.2E-04 | I | | | | | | 1 | 0.1 | | Diphenylhydrazine, 1,2- | 122-66-7 | 6.4E-01 | c | 2.9E+00 | c | 1.3E-02 | c | 5.6E-02 | c | 7.4E-02 | c | | 2.6E-04 | c | | |
| | | | | 2.2E-03 | I | | | | 1 | 0.1 | | Diquat | 85-00-7 | 1.4E+02 | n | 1.8E+03 | n | | | | | 4.4E+01 | n | 2.0E+01 | 8.3E-01 | n | 3.7E-01 | |
| 7.1E+00 | C | 1.4E-01 | C | | | | | | 1 | 0.1 | | Direct Black 38 | 1937-37-7 | 7.6E-02 | c | 3.2E-01 | c | 2.0E-05 | c | 8.8E-05 | c | 1.1E-02 | c | | 6.3E+00 | c | | |
| 7.4E+00 | C | 1.4E-01 | C | | | | | | 1 | 0.1 | | Direct Blue 6 | 2602-46-2 | 7.3E-02 | c | 3.1E-01 | c | 2.0E-05 | c | 8.8E-05 | c | 1.1E-02 | c | | 1.7E+01 | c | | |
| 6.7E+00 | C | 1.4E-01 | C | | | | | | 1 | 0.1 | | Direct Brown 95 | 16071-86-6 | 8.1E-02 | c | 3.4E-01 | c | 2.0E-05 | c | 8.8E-05 | c | 1.2E-02 | c | | 1.6E-01 | c | | |
| | | | | 4.0E-05 | I | | | | 1 | 0.1 | | Disulfoton | 298-04-4 | 2.5E+00 | n | 3.3E+01 | n | | | | | 5.5E-01 | n | | 8.4E-06 | n | | |
| | | | | 1.0E-02 | I | | | V | 1 | | | Dithiane, 1,4- | 505-29-3 | 7.8E+02 | n | 1.2E+04 | n | | | | | 2.0E+02 | n | | 9.7E-02 | n | | |
| | | | | 2.0E-03 | I | | | | 1 | 0.1 | | Diuron | 330-54-1 | 1.3E+02 | n | 1.6E+03 | n | | | | | 3.6E+01 | n | | 1.5E-02 | n | | |
| | | | | 4.0E-03 | I | | | | 1 | 0.1 | | Dioxins | 2439-10-3 | 2.5E+02 | n | 3.3E+03 | n | | | | | 6.0E+01 | n | | 4.1E-01 | n | | |
| | | | | 2.5E-02 | I | | | V | 1 | | | EPTC | 759-94-4 | 2.0E+03 | n | 2.9E+04 | n | | | | | 3.4E+02 | n | | 2.0E-01 | n | | |
| | | | | 6.0E-03 | I | | | V | 1 | | | Endosulfan | 115-29-7 | 4.7E+02 | n | 7.0E+03 | n | | | | | 1.0E+02 | n | | 1.4E+00 | n | | |
| | | | | 2.0E-02 | I | | | | 1 | 0.1 | | Endothall | 145-73-3 | 1.3E+03 | n | 1.6E+04 | n | | | | | 3.8E+02 | n | 1.0E+02 | 9.1E-02 | n | 2.4E-02 | |
| | | | | 3.0E-04 | I | | | | 1 | 0.1 | | Endrin | 72-20-8 | 1.9E+01 | n | 2.5E+02 | n | | | | | 2.3E+00 | n | 2.0E+00 | 9.2E-02 | n | 8.1E-02 | |
| 9.9E-03 | I | 1.2E-06 | I | 6.0E-03 | P | 1.0E-03 | I | V | 1 | | 1.1E+04 | Epichlorohydrin | 106-89-8 | 1.9E+01 | n | 8.2E+01 | n | 1.0E+00 | n | 4.4E+00 | n | 2.0E+00 | n | | 4.5E-04 | n | | |
| | | | | | | 2.0E-02 | I | V | 1 | | 1.6E+04 | Epoxybutane, 1,2- | 106-88-7 | 1.6E+02 | n | 6.7E+02 | n | 2.1E+01 | n | 8.8E+01 | n | 4.2E+01 | n | | 9.2E-03 | n | | |
| | | | | 4.0E-02 | P | | | | 1 | 0.1 | | Ethanol, 2-(2-methoxyethoxy)- | 111-77-3 | 2.5E+03 | n | 3.3E+04 | n | | | | | 8.0E+02 | n | | 1.6E-01 | n | | |
| | | | | 5.0E-03 | I | | | | 1 | 0.1 | | Ethephon | 16672-87-0 | 3.2E+02 | n | 4.1E+03 | n | | | | | 1.0E+02 | n | | 2.1E-02 | n | | |
| | | | | 5.0E-04 | I | | | | 1 | 0.1 | | Ethion | 563-12-2 | 3.2E+01 | n | 4.1E+02 | n | | | | | 4.3E+00 | n | | 8.5E-03 | n | | |
| | | | | 1.0E-01 | P | 6.0E-02 | P | V | 1 | | 2.4E+04 | Ethoxyethanol Acetate, 2- | 111-15-9 | 2.6E+03 | n | 1.4E+04 | n | 6.3E+01 | n | 2.6E+02 | n | 1.2E+02 | n | | 2.5E-02 | n | | |
| | | | | 9.0E-02 | P | 2.0E-01 | I | V | 1 | | 1.1E+05 | Ethoxyethanol, 2- | 110-80-5 | 5.2E+03 | n | 4.7E+04 | n | 2.1E+02 | n | 8.8E+02 | n | 3.4E+02 | n | | 6.9E-02 | n | | |
| | | | | 9.0E-01 | I | 7.0E-02 | P | V | 1 | | 1.1E+04 | Ethyl Acetate | 141-78-6 | 6.2E+02 | n | 2.6E+03 | n | 7.3E+01 | n | 3.1E+02 | n | 1.4E+02 | n | | 3.1E-02 | n | | |
| | | | | 5.0E-03 | P | 8.0E-03 | P | V | 1 | | 2.5E+03 | Ethyl Acrylate | 140-88-5 | 4.7E+01 | n | 2.1E+02 | n | 6.3E+00 | n | 3.5E+01 | n | 1.4E+01 | n | | 3.2E-03 | n | | |
| | | | | | | 1.0E+01 | I | V | 1 | | 2.1E+03 | Ethyl Chloride (Chloroethane) | 75-00-3 | 1.4E+04 | na | 5.7E+04 | na | 1.0E+04 | n | 4.4E+04 | n | 2.1E+04 | n | | 5.6E+00 | n | | |
| | | | | 2.0E-01 | I | | | V | 1 | | 1.0E+04 | Ethyl Ether | 60-29-7 | 1.5E+04 | na | 2.3E+05 | nna | | | | | 3.9E+03 | n | | 8.4E-01 | n | | |

TR=1E-06
THQ=1.0

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| Toxicity and Chemical-specific Information | | | | | | | | | | | | Contaminant | | Screening Levels | | | | | | | | | | | | Protection of Ground Water SSLs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | k y | IUR (ug/m$^3$)$^{-1}$ | k y | $RfD_o$ (mg/kg-day) | k y | $RfC_i$ (mg/m$^3$) | k y | o i | mutagen | GIABS | ABS | $C_{sat}$ (mg/kg) | Analyte | CAS No. | Resident Soil (mg/kg) | key | Industrial Soil (mg/kg) | key | Resident Air (ug/m$^3$) | key | Industrial Air (ug/m$^3$) | key | Tapwater (ug/L) | key | MCL (ug/L) | Risk-based SSL (mg/kg) | key | MCL-based SSL (mg/kg) |
| | | | | 3.0E-01 | P | V | | | | 1 | | 1.1E+03 | Ethyl Methacrylate | 97-63-2 | 1.8E+03 | nx | 7.8E+04 | nx | 3.1E+02 | n | 1.3E+03 | n | 6.3E+02 | n | | 1.5E-01 | n | |
| | | | | 1.0E-06 | I | | | | | 1 | 0.1 | | Ethyl-p-nitrophenyl Phosphonate | 2104-64-5 | 6.3E-01 | n | 8.2E+00 | n | | | | | 8.9E-02 | n | | 2.8E-03 | n | |
| 1.1E-02 | C | 2.5E-06 | C | 1.0E-01 | I | 1.0E+00 | I | V | | 1 | | 4.8E+02 | Ethylbenzene | 100-41-4 | 5.8E+00 | c | 2.5E+01 | c | 1.1E+00 | c | 4.9E+00 | c | 1.5E+00 | c | 7.0E+02 | 1.7E-03 | s | 7.8E-01 |
| | | | | 7.0E-02 | P | | | | | 1 | 0.1 | | Ethylene Cyanohydrin | 109-78-4 | 4.4E+03 | n | 5.7E+04 | n | | | | | 1.4E+03 | n | | 2.8E-01 | n | |
| | | | | 9.0E-02 | P | | | V | | 1 | | 1.9E+05 | Ethylene Diamine | 107-15-3 | 7.0E+03 | n | 1.1E+05 | nm | | | | | 1.6E+03 | n | | 4.1E-01 | n | |
| | | | | 2.0E+00 | I | 4.0E-01 | C | | | 1 | 0.1 | | Ethylene Glycol | 107-21-1 | 1.3E+05 | nm | 1.8E+06 | nm | 4.2E+02 | n | 1.8E+03 | n | 4.0E+04 | n | | 8.1E+02 | n | |
| | | | | 1.0E-01 | I | 1.6E+00 | I | | | 1 | 0.1 | | Ethylene Glycol Monobutyl Ether | 111-76-2 | 6.3E+03 | n | 8.2E+04 | n | 1.7E+03 | n | 7.0E+03 | n | 2.0E+03 | n | | 4.1E-01 | n | |
| 3.1E-01 | C | 8.8E-05 | C | | | 3.0E-02 | C | V | | 1 | | 1.2E+05 | Ethylene Oxide | 75-21-8 | 1.8E-01 | c | 7.9E-01 | c | 3.2E-02 | c | 1.4E-01 | c | 5.1E-02 | c | | 1.1E-05 | c | |
| 4.5E-02 | C | 1.3E-05 | C | 5.0E-05 | I | | | | | 1 | 0.1 | | Ethylene Thiourea | 96-45-7 | 5.1E+00 | n | 5.1E+01 | c** | 2.2E-01 | c | 9.4E-01 | c | 1.6E+00 | n | | 3.6E-04 | n | |
| 6.5E+01 | C | 1.9E-02 | C | | | | | V | | 1 | | 1.5E+05 | Ethylenimine | 151-56-4 | 2.7E-03 | c | 1.2E-02 | c | 1.5E-04 | c | 6.5E-04 | c | 2.4E-04 | c | | 6.2E-08 | s | |
| | | | | 3.0E+00 | I | | | | | 1 | 0.1 | | Ethylphthalyl Ethyl Glycolate | 84-72-0 | 1.9E+05 | nm | 2.5E+06 | nm | | | | | 5.8E+04 | n | | 1.3E+02 | n | |
| | | | | 2.5E-04 | I | | | | | 1 | 0.1 | | Fenamiphos | 22224-92-6 | 1.8E+01 | n | 2.1E+02 | n | | | | | 4.4E+00 | n | | 4.3E-03 | n | |
| | | | | 2.5E-02 | I | | | | | 1 | 0.1 | | Fenpropathrin | 39515-41-8 | 1.0E+03 | n | 2.1E+04 | n | | | | | 6.4E+01 | n | | 2.9E+00 | n | |
| | | | | 2.5E-02 | I | | | | | 1 | 0.1 | | Fenvalerate | 51630-58-1 | 1.0E+03 | n | 2.1E+04 | n | | | | | 5.0E+02 | n | | 3.2E+02 | n | |
| | | | | 1.3E-02 | I | | | | | 1 | 0.1 | | Fluometuron | 2164-17-2 | 6.2E+02 | n | 1.1E+04 | n | | | | | 2.4E+02 | n | | 1.9E-01 | n | |
| | | | | 4.0E-02 | C | 1.3E-02 | C | | | 1 | | | Fluoride | 16984-48-8 | 3.1E+03 | n | 4.7E+04 | n | 1.4E+01 | n | 5.7E+01 | n | 8.0E+02 | n | | 1.2E+02 | n | |
| | | | | 6.0E-02 | I | 1.3E-02 | C | | | 1 | | | Fluorine (Soluble Fluoride) | 7782-41-4 | 4.7E+03 | n | 7.0E+04 | n | 1.4E+01 | n | 5.7E+01 | n | 1.2E+03 | n | 4.0E+03 | 1.6E+02 | n | 8.0E+02 |
| | | | | 6.0E-02 | I | | | | | 1 | 0.1 | | Fluridone | 59756-60-4 | 5.1E+03 | n | 8.6E+04 | n | | | | | 1.4E+03 | n | | 1.5E+02 | n | |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | Flurprimidol | 56425-91-3 | 1.3E+03 | n | 1.8E+04 | n | | | | | 3.4E+02 | n | | 3.6E+00 | n | |
| | | | | 7.0E-04 | I | | | | | 1 | 0.1 | | Flusilazole | 85509-19-9 | 4.4E+01 | n | 5.7E+02 | n | | | | | 1.1E+01 | n | | 1.8E+00 | n | |
| | | | | 6.0E-02 | I | | | | | 1 | 0.1 | | Flutolanil | 66332-96-5 | 3.8E+03 | n | 4.8E+04 | n | | | | | 9.5E+02 | n | | 8.0E+00 | n | |
| | | | | 1.0E-02 | I | | | | | 1 | 0.1 | | Fluvalinate | 69409-94-5 | 6.3E+02 | n | 8.2E+03 | n | | | | | 2.0E+02 | n | | 2.9E+02 | n | |
| 3.5E-03 | I | | | 1.0E-01 | I | | | | | 1 | 0.1 | | Folpet | 133-07-3 | 1.6E+02 | c* | 6.6E+02 | c | | | | | 2.0E+01 | c* | | 4.7E-03 | c* | |
| 1.9E-01 | I | | | | | | | | | 1 | 0.1 | | Formasafen | 72178-02-0 | 2.9E+00 | c | 1.2E+01 | c | | | | | 3.9E-01 | c | | 1.3E-03 | c | |
| | | | | 2.0E-03 | I | | | | | 1 | 0.1 | | Fonofos | 944-22-9 | 1.3E+02 | n | 1.6E+03 | n | | | | | 2.4E+01 | n | | 4.7E-02 | n | |
| | | 1.3E-05 | I | 2.0E-01 | I | 9.8E-03 | A | V | | 1 | | 4.2E+04 | Formaldehyde | 50-00-0 | 1.7E+01 | c* | 7.3E+01 | c* | 2.2E-01 | c* | 9.4E-01 | c* | 4.3E-01 | c* | | 8.7E-06 | c* | |
| | | | | 9.0E-01 | P | 3.0E-04 | X | V | | 1 | | 1.1E+05 | Formic Acid | 64-18-6 | 2.9E+01 | n | 1.2E+02 | n | 3.1E-01 | n | 1.3E+00 | n | 5.3E-01 | n | | 1.3E-04 | n | |
| | | | | 3.0E+00 | I | | | | | 1 | 0.1 | | Fosetyl-AL | 39148-24-8 | 1.9E+05 | nm | 2.5E+06 | nm | | | | | 6.0E+04 | n | | 7.9E+02 | n | |
| | | | | | | | | | | | | | Fusare | | | | | | | | | | | | | | | |
| | | | | 1.0E-03 | X | | | V | | 1 | 0.03 | | ~Dibenzofuran | 132-64-9 | 7.3E+01 | n | 1.0E+03 | n | | | | | 7.9E+00 | n | | 1.6E-01 | n | |
| | | | | 1.0E-03 | I | | | V | | 1 | 0.03 | 6.2E+03 | ~Furan | 110-00-9 | 7.3E+01 | n | 1.0E+03 | n | | | | | 1.9E+01 | n | | 7.3E-03 | n | |
| | | | | 9.0E-01 | I | 2.0E+00 | I | V | | 1 | 0.03 | 1.7E+05 | ~Tetrahydrofuran | 109-99-9 | 1.8E+04 | n | 9.4E+04 | n | 2.1E+03 | n | 8.8E+03 | n | 3.4E+03 | n | | 7.6E-01 | n | |
| 3.8E+00 | H | | | | | | | | | 1 | 0.1 | | Furazolidone | 67-45-8 | 1.4E-01 | c | 6.0E-01 | c | | | | | 2.0E-02 | c | | 3.9E-05 | c | |
| | | | | 3.0E-03 | I | 5.0E-02 | H | V | | 1 | | 1.0E+04 | Furfural | 98-01-1 | 2.1E+02 | n | 2.6E+03 | n | 5.2E+01 | n | 2.2E+02 | n | 3.8E+01 | n | | 8.1E-03 | n | |
| 1.5E+00 | C | 4.3E-04 | C | | | | | | | 1 | 0.1 | | Furium | 531-82-8 | 3.6E-01 | c | 1.6E+00 | c | 6.5E-03 | c | 2.9E-02 | c | 5.1E-02 | c | | 8.8E-06 | c | |
| 3.0E-02 | I | 8.8E-06 | C | | | | | | | 1 | 0.1 | | Furmecyclox | 60568-05-0 | 1.8E+01 | c | 7.7E+01 | c | 3.3E-01 | c | 1.4E+00 | c | 1.1E+00 | c | | 1.2E-03 | c | |
| | | | | 4.0E-04 | I | | | | | 1 | 0.1 | | Glufosinate, Ammonium | 77182-82-2 | 2.5E+01 | n | 3.3E+02 | n | | | | | 8.0E+00 | n | | 1.8E-01 | n | |
| | | | | | | 8.0E-05 | C | | | 1 | 0.1 | | Glutaraldehyde | 111-30-8 | 1.1E+05 | nm | 4.8E+05 | nm | 8.3E-02 | n | 3.5E-01 | n | | | | | | |
| | | | | 4.0E-04 | I | 1.0E-03 | H | V | | 1 | | 1.1E+05 | Glycidyl | 765-34-4 | 2.3E+01 | n | 2.1E+02 | n | 1.0E+00 | n | 4.4E+00 | n | 1.7E+00 | n | | 3.3E-04 | n | |
| | | | | 1.0E-01 | I | | | | | 1 | 0.1 | | Glyphosate | 1071-83-6 | 6.3E+03 | n | 8.2E+04 | n | | | | | 2.0E+03 | n | 7.0E+02 | 8.6E+00 | n | 3.1E+00 |
| | | | | 1.0E-02 | X | | | V | | 1 | | | Guanidine | 113-00-8 | 7.8E+02 | n | 1.2E+04 | n | | | | | 2.0E+02 | n | | 4.5E-02 | n | |
| | | | | 2.0E-02 | P | | | | | 1 | 0.1 | | Guanidine Chloride | 50-01-1 | 1.3E+03 | n | 1.8E+04 | n | | | | | 4.0E+02 | n | | | n | |
| | | | | 5.0E-05 | I | | | | | 1 | 0.1 | | Heloxylop, Methyl | 69806-40-2 | 3.2E+00 | n | 4.1E+01 | n | | | | | 7.6E-01 | n | | 6.4E-03 | n | |
| 4.5E+00 | I | 1.3E-03 | I | 5.0E-04 | I | | | V | | 1 | | | Heptachlor | 76-44-8 | 1.3E-01 | c | 5.3E-01 | c | 2.2E-03 | c | 9.4E-03 | c | 1.4E-03 | c | 4.0E-01 | 1.2E-04 | c | 2.3E-02 |
| 9.1E+00 | I | 2.6E-03 | I | 1.3E-05 | I | | | V | | 1 | | | Heptachlor Epoxide | 1024-57-3 | 7.0E-02 | c* | 3.2E-01 | c* | 1.1E-03 | c | 4.7E-03 | c | 1.4E-03 | c* | 2.0E-01 | 2.5E-05 | c* | 4.1E-03 |
| | | | | 2.0E-03 | I | | | V | | 1 | | | Hexabromobenzene | 87-82-1 | 1.8E+02 | n | 2.3E+03 | n | | | | | 4.0E+01 | n | | 2.3E-01 | n | |
| | | | | 2.0E-04 | I | | | | | 1 | 0.1 | | Hexabromo-diphenyl ether, 2,2',4,4',5,5'- (BDE-153) | 68631-49-2 | 1.3E+01 | n | 1.6E+02 | n | | | | | 4.0E+00 | n | | | n | |
| 1.6E+00 | I | 4.6E-04 | I | 8.0E-04 | I | | | V | | 1 | | | Hexachlorobenzene | 118-74-1 | 2.1E-01 | c | 9.6E-01 | c | 5.1E-03 | c | 2.1E-02 | c | 9.8E-03 | c | 1.0E+00 | 1.2E-04 | c | 1.3E-02 |
| 7.8E-02 | I | 2.2E-05 | I | 1.0E-03 | P | | | V | | 1 | | 1.7E+01 | Hexachlorobutadiene | 87-68-3 | 1.2E+00 | c* | 5.3E+00 | c | 1.3E-01 | c | 5.6E-01 | c | 1.4E-01 | c* | | 2.7E-04 | c* | |
| 6.3E+00 | I | 1.8E-03 | I | 8.0E-03 | A | | | | | 1 | 0.1 | | Hexachlorocyclohexane, Alpha- | 319-84-6 | 8.6E-02 | c | 3.6E-01 | c | 1.6E-03 | c | 6.8E-03 | c | 7.2E-03 | c | | 4.2E-05 | c | |
| 1.8E+00 | I | 5.3E-04 | I | | | | | | | 1 | 0.1 | | Hexachlorocyclohexane, Beta- | 319-85-7 | 3.0E-01 | c | 1.3E+00 | c | 5.3E-03 | c | 2.3E-02 | c | 2.5E-02 | c | | 1.5E-04 | c | |
| 1.1E+00 | C | 3.1E-04 | C | 3.0E-04 | I | | | | | 1 | 0.04 | | Hexachlorocyclohexane, Gamma- (Lindane) | 58-89-9 | 5.7E-01 | c* | 2.5E+00 | c | 9.1E-03 | c | 4.0E-02 | c | 4.2E-02 | c* | 2.0E-01 | 2.4E-04 | c* | 1.2E-03 |
| 1.8E+00 | I | 5.1E-04 | I | | | | | | | 1 | 0.1 | | Hexachlorocyclohexane, Technical | 608-73-1 | 3.0E-01 | c | 1.3E+00 | c | 5.8E-03 | c | 2.4E-02 | c | 2.6E-02 | c | | 1.6E-04 | c | |
| | | | | 6.0E-03 | I | 2.0E-04 | I | V | | 1 | | 1.6E+01 | Hexachlorocyclopentadiene | 77-47-4 | 1.9E+00 | n | 7.9E+00 | n | 2.1E-01 | n | 8.9E-01 | n | 4.1E-01 | n | 5.0E+01 | 1.3E-03 | n | 1.8E-01 |
| 4.0E-02 | I | 1.1E-05 | C | 7.0E-04 | I | 3.0E-02 | I | V | | 1 | | | Hexachloroethane | 67-72-1 | 1.8E+00 | c* | 8.0E+00 | c* | 2.6E-01 | c | 1.1E+00 | c | 3.3E-01 | c* | | 2.0E-04 | c* | |
| | | | | 3.0E-04 | I | | | | | 1 | 0.1 | | Hexachlorophene | 70-30-4 | 1.9E+01 | n | 2.5E+02 | n | | | | | 6.0E+00 | n | | 8.0E+00 | n | |
| 1.1E-01 | I | | | 3.0E-03 | I | | | | | 1 | 0.015 | | Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) | 121-82-4 | 6.1E+00 | c* | 2.8E+01 | c | | | | | 7.0E-01 | c* | | 2.7E-04 | c* | |
| | | | | | | 1.0E-05 | I | V | | 1 | | 3.4E+03 | Hexamethylene Diisocyanate, 1,6- | 822-06-0 | 3.1E+00 | n | 1.3E+01 | n | 1.0E-02 | n | 4.4E-02 | n | 2.1E-02 | n | | 2.1E-04 | n | |
| | | | | 4.0E-04 | P | | | | | 1 | 0.1 | | Hexamethylphosphoramide | 680-31-9 | 2.5E+01 | n | 3.3E+02 | n | | | | | 8.0E+00 | n | | 1.8E-03 | n | |
| | | | | | | 7.0E-01 | I | V | | 1 | | 1.4E+02 | Hexane, N- | 110-54-3 | 8.1E+02 | nx | 2.5E+03 | nx | 7.3E+02 | n | 3.1E+03 | n | 1.3E+03 | n | | 1.0E+01 | n | |
| | | | | 2.0E+00 | P | | | | | 1 | 0.1 | | Hexanedioic Acid | 124-04-9 | 1.3E+05 | nm | 1.6E+06 | nm | | | | | 4.0E+04 | n | | 9.9E+00 | n | |
| | | | | 5.0E-03 | I | 3.0E-02 | I | V | | 1 | | 3.3E+03 | Hexanone, 2- | 591-78-6 | 2.0E+02 | n | 1.3E+03 | n | 3.1E+01 | n | 1.3E+02 | n | 3.8E+01 | n | | 8.8E-03 | n | |
| | | | | 3.3E-02 | I | | | | | 1 | 0.1 | | Hexazinone | 51235-04-2 | 2.1E+03 | n | 2.7E+04 | n | | | | | 6.4E+02 | n | | 3.5E-01 | n | |
| | | | | 2.5E-02 | I | | | | | 1 | 0.1 | | Hexythiazox | 78587-05-0 | 1.6E+03 | n | 2.1E+04 | n | | | | | 1.1E+02 | n | | 5.0E-01 | n | |
| | | | | 3.0E-04 | I | | | | | 1 | 0.1 | | Hydramethylnon | 67485-29-4 | 1.9E+01 | n | 2.5E+02 | n | | | | | 5.9E+00 | n | | 2.1E+03 | n | |
| 3.0E+00 | I | 4.9E-03 | I | | | 3.0E-06 | P | V | | 1 | | | Hydrazine | 302-01-2 | 2.3E-01 | c | 1.1E+00 | c | 5.7E-04 | c* | 2.5E-03 | c* | 1.1E-03 | c* | | | c* | |
| 3.0E+00 | I | 4.9E-03 | I | | | | | | | 1 | | | Hydrazine Sulfate | 10034-93-2 | 2.3E-01 | c | 1.1E+00 | c | 5.7E-04 | c | 2.5E-03 | c | 2.6E-02 | c | | | c | |
| | | | | | | 2.0E-02 | I | V | | 1 | | | Hydrogen Chloride | 7647-01-0 | 2.8E+07 | nm | 1.2E+08 | nm | 2.1E+01 | n | 8.8E+01 | n | 4.2E+01 | n | | | n | |
| | | | | 4.0E-02 | C | 1.4E-02 | C | V | | 1 | | | Hydrogen Fluoride | 7664-39-3 | 3.1E+03 | n | 4.7E+04 | n | 1.5E+01 | n | 6.1E+01 | n | 2.8E+01 | n | | | n | |
| | | | | | | 2.0E-03 | I | V | | 1 | | | Hydrogen Sulfide | 7783-06-4 | 2.8E+06 | nm | 1.2E+07 | nm | 2.1E+00 | n | 8.8E+00 | n | 4.2E+00 | n | | | n | |
| 6.0E-02 | P | | | 4.0E-02 | P | | | | | 1 | 0.1 | | Hydroquinone | 123-31-9 | 9.0E+00 | c | 3.8E+01 | c | | | | | 1.3E+00 | c | | 9.7E-04 | c | |
| | | | | 1.3E-02 | I | | | | | 1 | 0.1 | | Imazalil | 35554-44-0 | 8.2E+02 | n | 1.1E+04 | n | | | | | 1.9E+02 | n | | 3.2E+00 | n | |
| | | | | 2.5E-01 | I | | | | | 1 | 0.1 | | Imazaquin | 81335-37-7 | 1.0E+04 | n | 2.1E+05 | nm | | | | | 4.9E+03 | n | | 2.4E+01 | n | |
| | | | | 2.5E-01 | I | | | | | 1 | 0.1 | | Imazethapyr | 81335-77-5 | 1.0E+04 | n | 2.1E+05 | nm | | | | | 4.7E+03 | n | | 4.1E+00 | n | |
| | | | | 1.0E-02 | A | | | | | 1 | | | Iodine | 7553-56-2 | 7.8E+02 | n | 1.2E+04 | n | | | | | 2.0E+02 | n | | 1.2E+01 | n | |
| | | | | 4.0E-02 | I | | | | | 1 | 0.1 | | Iprodione | 36734-19-7 | 2.5E+03 | n | 3.3E+04 | n | | | | | 7.4E+02 | n | | 2.2E-01 | n | |

TR=1E-0
THQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = APPENDIX PPRTV SCREEN (See FAQ #27); H = HEAST; F = See FAQ; J = New Jersey; O = EPA Office of Water; E = see user guide Section 2.3.5; L = see user guide on lead; M = mutagen; S = see user guide Section 5; V = volatile; R = RBA applied (See User Guide for Arsenic notice); c = cancer; n = noncancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; SSL values are based on DAF=1; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide)

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | Contaminant | | Screening Levels | | | | | | | | | | | | Protection of Ground Water SSLs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | k e y | IUR (ug/m$^3$)$^{-1}$ | k e y | $RfD_o$ (mg/kg-day) | k e y | $RfC_i$ (mg/m$^3$) | k e y | o i | muta-gen | GIABS | ABS | $C_{sat}$ (mg/kg) | Analyte | CAS No. | Resident Soil (mg/kg) | key | Industrial Soil (mg/kg) | key | Resident Air (ug/m$^3$) | key | Industrial Air (ug/m$^3$) | key | Tapwater (ug/L) | key | MCL (ug/L) | | Risk-based SSL (mg/kg) | key | MCL-based SSL (mg/kg) |
| | | | | 7.0E-01 | P | | | | | 1 | | | Iron | 7439-89-6 | 5.5E+04 | n | 8.2E+05 | nm | | | | | 1.4E+04 | n | | | 3.6E+02 | n | |
| | | | | 3.0E-01 | I | | | V | | 1 | | 1.0E+04 | Isobutyl Alcohol | 78-83-1 | 2.3E+04 | nn | 3.5E+05 | nnn | | | | | 5.9E+03 | n | | | 1.2E+00 | n | |
| 9.5E-04 | I | | | 2.0E-01 | I | 2.0E+00 | C | | | 1 | 0.1 | | Isophorone | 78-59-1 | 5.7E+02 | c* | 2.4E+03 | c* | 2.1E+03 | n | 8.8E+03 | n | 7.8E+01 | c* | | | 2.6E-02 | c* | |
| | | | | 1.9E-02 | I | | | V | | 1 | | | Isopropalin | 33820-53-0 | 1.2E+03 | n | 1.6E+04 | n | | | | | 4.0E+01 | n | | | 9.2E-01 | n | |
| | | | | 2.8E+00 | P | 2.0E-01 | P | V | | 1 | | 1.1E+06 | Isopropanol | 67-63-0 | 5.6E+03 | n | 2.4E+04 | n | 2.1E+02 | n | 8.8E+02 | n | 4.1E+02 | n | | | 8.4E-02 | n | |
| | | | | 1.0E-01 | I | | | | | 1 | 0.1 | | Isopropyl Methyl Phosphonic Acid | 1832-54-8 | 6.3E+03 | n | 8.2E+04 | n | | | | | 2.0E+03 | n | | | 4.3E-01 | n | |
| | | | | 5.0E-02 | I | | | | | 1 | 0.1 | | Isoxaben | 82558-50-7 | 3.2E+03 | n | 4.1E+04 | n | | | | | 7.3E+02 | n | | | 2.0E+00 | n | |
| | | | | | | 3.0E-01 | A | V | | 1 | | | JP-7 | NA | 4.3E+08 | nm | 1.8E+09 | nm | 3.1E+02 | n | 1.3E+03 | n | 8.3E+02 | n | | | | n | |
| | | | | 2.0E-03 | I | | | | | 1 | 0.1 | | Lactofen | 77501-63-4 | 1.3E+02 | n | 1.6E+03 | n | | | | | 2.5E+01 | n | | | 1.2E+00 | n | |
| | | | | | | | | | | | | | Lead Compounds | | | | | | | | | | | | | | | | |
| 5.0E-01 | C | 1.5E-01 | C | 2.0E-02 | C | 2.0E-04 | C | | M | 0.025 | | | ~Lead Chromate | 7758-97-6 | 3.0E-01 | c | 6.2E+00 | c | 5.9E-06 | c | 8.2E-06 | c | 4.1E-02 | c | | | | c | |
| 6.9E-03 | C | 1.2E-05 | C | | | | | | | 1 | | | ~Lead Phosphate | 7446-27-7 | 8.2E+01 | c | 3.6E+02 | c | 2.3E-01 | c | 1.0E+00 | c | 8.1E+00 | c | | | | c | |
| 6.5E-03 | C | 1.2E-05 | C | | | | | | | 1 | 0.1 | | ~Lead acetate | 301-04-2 | 6.4E+01 | c | 2.7E+02 | c | 2.3E-01 | c | 1.0E+00 | c | 9.2E+00 | c | | | 1.8E-03 | c | |
| | | | | | | | | | | 1 | | | ~Lead and Compounds | 7439-92-1 | 4.0E+02 | L | 8.0E+02 | L | 1.5E-01 | L | | | 1.5E+01 | L | 1.5E+01 | | | L | 1.4E+01 |
| 6.5E-03 | C | 1.2E-05 | C | | | | | | | 1 | 0.1 | | ~Lead subacetate | 1335-32-6 | 6.4E+01 | c | 2.7E+02 | c | 2.3E-01 | c | 1.0E+00 | c | 9.2E+00 | c | | | 2.0E-03 | c | |
| | | | | 1.0E-07 | I | | | V | | 1 | | 2.4E+00 | ~Tetraethyl Lead | 78-00-2 | 7.8E-03 | n | 1.2E-01 | n | | | | | 1.3E-03 | n | | | 4.7E-06 | n | |
| | | | | 5.0E-06 | P | | | V | | 1 | | 3.8E+02 | Levulate | 541-25-3 | 3.9E-01 | n | 5.9E+00 | n | | | | | 9.0E-02 | n | | | 3.8E-06 | n | |
| | | | | 2.0E-03 | I | | | | | 1 | 0.1 | | Linuron | 330-55-2 | 1.3E+02 | n | 1.6E+03 | n | | | | | 3.3E+01 | n | | | 2.9E-02 | n | |
| | | | | 2.0E-03 | P | | | | | 1 | | | Lithium | 7439-93-2 | 1.6E+02 | n | 2.3E+03 | n | | | | | 4.0E+01 | n | | | 1.2E+01 | n | |
| | | | | 5.0E-04 | I | | | | | 1 | 0.1 | | MCPA | 94-74-6 | 3.2E+01 | n | 4.1E+02 | n | | | | | 7.6E+00 | n | | | 2.5E-03 | n | |
| | | | | 1.0E-02 | I | | | | | 1 | 0.1 | | MCPB | 94-81-5 | 8.3E+02 | n | 8.2E+03 | n | | | | | 1.9E+02 | n | | | 5.8E-02 | n | |
| | | | | 1.0E-03 | I | | | | | 1 | 0.1 | | MCPP | 93-65-2 | 6.3E+01 | n | 8.2E+02 | n | | | | | 1.6E+01 | n | | | 4.7E-03 | n | |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | Malathion | 121-75-5 | 1.3E+03 | n | 1.6E+04 | n | | | | | 3.9E+02 | n | | | 1.3E-01 | n | |
| | | | | 1.0E-01 | I | 7.0E-04 | C | | | 1 | 0.1 | | Maleic Anhydride | 108-31-6 | 6.3E+03 | n | 8.0E+04 | n | 7.3E-01 | n | 3.1E+00 | n | 1.9E+03 | n | | | 3.6E-01 | n | |
| | | | | 5.0E-01 | I | | | | | 1 | 0.1 | | Maleic Hydrazide | 123-33-1 | 3.2E+04 | n | 4.1E+05 | nm | | | | | 1.0E+04 | n | | | 2.1E+00 | n | |
| | | | | 1.0E-04 | P | | | | | 1 | 0.1 | | Malononitrile | 109-77-3 | 6.3E+00 | n | 8.2E+01 | n | | | | | 2.0E+00 | n | | | 4.1E-04 | n | |
| | | | | 3.0E-02 | H | | | | | 1 | 0.1 | | Mancozeb | 8018-01-7 | 1.9E+03 | n | 2.5E+04 | n | | | | | 5.4E+02 | n | | | 7.6E-01 | n | |
| | | | | 5.0E-03 | I | | | | | 1 | 0.1 | | Maneb | 12427-38-2 | 3.2E+02 | n | 4.1E+03 | n | | | | | 9.8E+01 | n | | | 1.4E-01 | n | |
| | | | | 1.4E-01 | I | 5.0E-05 | I | | | 1 | | | Manganese (Diet) | 7439-96-5 | | | | | | | | | | | | | | | |
| | | | | 2.4E-02 | S | 5.0E-05 | I | | | 0.04 | | | Manganese (Non-diet) | 7439-96-5 | 1.8E+03 | n | 2.6E+04 | n | 5.2E-02 | n | 2.2E-01 | n | 4.3E+02 | n | | | 2.8E+01 | n | |
| | | | | 9.0E-05 | H | | | | | 1 | 0.1 | | Mephosfolan | 950-10-7 | 5.7E+00 | n | 7.4E+01 | n | | | | | 1.8E+00 | n | | | 2.6E-03 | n | |
| | | | | 3.0E-02 | I | | | | | 1 | 0.1 | | Mepiquat Chloride | 24307-26-4 | 1.9E+03 | n | 2.5E+04 | n | | | | | 8.0E+02 | n | | | 2.0E-01 | n | |
| | | | | | | | | | | | | | Mercury Compounds | | | | | | | | | | | | | | | | |
| | | | | 3.0E-04 | I | 3.0E-04 | S | | | 0.07 | | | ~Mercuric Chloride (and other Mercury Salts) | 7487-94-7 | 2.3E+01 | n | 3.5E+02 | n | 3.1E-01 | n | 1.3E+00 | n | 5.7E+00 | n | 2.0E+00 | | | n | |
| | | | | | | 3.0E-04 | I | V | | 1 | | 3.1E+00 | ~Mercury (elemental) | 7439-97-6 | 1.1E+01 | ns | 4.6E+01 | ns | 3.1E-01 | n | 1.3E+00 | n | 6.3E-01 | n | 2.0E+00 | | 3.3E-02 | n | 1.0E-01 |
| | | | | 1.0E-04 | I | | | | | 1 | | | ~Methyl Mercury | 23807-97-6 | 7.8E+00 | n | 1.2E+02 | n | | | | | 2.0E+00 | n | | | | n | |
| | | | | 8.0E-05 | I | | | | | 1 | 0.1 | | ~Phenylmercuric Acetate | 62-38-4 | 5.1E+00 | n | 6.6E+01 | n | | | | | 1.6E+00 | n | | | 5.0E-04 | n | |
| | | | | 3.0E-05 | I | | | V | | 1 | | | Merphos | 150-50-5 | 2.3E+00 | n | 3.5E+01 | n | | | | | 8.0E-01 | n | | | 5.9E-02 | n | |
| | | | | 3.0E-05 | I | | | | | 1 | 0.1 | | Merphos Oxide | 78-48-8 | 1.9E+00 | n | 2.5E+01 | n | | | | | 8.0E-02 | n | | | 4.2E-04 | n | |
| | | | | 6.0E-02 | I | | | | | 1 | 0.1 | | Metalaxyl | 57837-19-1 | 3.8E+03 | n | 4.9E+04 | n | | | | | 1.2E+03 | n | | | 3.3E-01 | n | |
| | | | | 1.0E-04 | I | 3.0E-02 | P | V | | 1 | | 4.6E+03 | Methacrylonitrile | 126-98-7 | 7.8E+00 | n | 1.0E+02 | n | 3.1E+01 | n | 1.3E+02 | n | 1.9E+00 | n | | | 4.3E-04 | n | |
| | | | | 5.0E-06 | I | | | | | 1 | 0.1 | | Methamidophos | 10265-92-6 | 3.2E+00 | n | 4.1E+01 | n | | | | | 1.0E+00 | n | | | 2.1E-04 | n | |
| | | | | 2.0E+00 | I | 2.0E+01 | I | V | | 1 | | 1.1E+05 | Methanol | 67-56-1 | 1.2E+05 | nnn | 1.2E+06 | nnn | 2.1E+04 | n | 8.8E+04 | n | 2.0E+04 | n | | | 4.1E+00 | n | |
| | | | | 1.0E-03 | I | | | | | 1 | 0.1 | | Methidathion | 950-37-8 | 6.3E+01 | n | 8.2E+02 | n | | | | | 1.9E+01 | n | | | 4.1E-03 | n | |
| | | | | 2.5E-02 | I | | | | | 1 | 0.1 | | Methomyl | 16752-77-5 | 1.6E+03 | n | 2.1E+04 | n | | | | | 5.0E+02 | n | | | 1.1E-01 | n | |
| 4.9E-02 | C | 1.4E-05 | C | | | | | | | 1 | 0.1 | | Methoxy-5-nitroaniline, 2- | 99-59-2 | 1.1E+01 | c | 4.7E+01 | c | 2.0E-01 | c | 8.8E-01 | c | 1.6E+00 | c | | | 5.3E-04 | c | |
| | | | | 5.0E-03 | I | | | | | 1 | 0.1 | | Methoxychlor | 72-43-5 | 3.2E+02 | n | 4.1E+03 | n | | | | | 3.7E+01 | n | 4.0E+01 | | 2.0E+00 | n | 2.2E+02 |
| | | | | 6.0E-03 | P | 1.0E-03 | P | V | | 1 | | 1.2E+05 | Methoxyethanol Acetate, 2- | 110-49-6 | 1.1E+02 | n | 5.1E+02 | n | 1.0E+00 | n | 4.4E+00 | n | 2.1E+00 | n | | | 4.2E-04 | n | |
| | | | | 5.0E-03 | P | 2.0E-02 | I | V | | 1 | | 1.1E+05 | Methoxyethanol, 2- | 109-86-4 | 3.3E+02 | n | 3.5E+03 | n | 2.1E+01 | n | 8.8E+01 | n | 2.9E+01 | n | | | 6.9E-03 | n | |
| | | | | 1.0E+00 | X | | | V | | 1 | | 2.9E+04 | Methyl Acetate | 79-20-9 | 7.8E+04 | ns | 1.2E+06 | nns | | | | | 2.0E+04 | n | | | 4.1E+00 | n | |
| | | | | | | 2.0E-02 | P | V | | 1 | | 6.8E+03 | Methyl Acrylate | 96-33-3 | 1.5E+02 | n | 6.1E+02 | n | 2.1E+01 | n | 8.8E+01 | n | 4.2E+01 | n | | | 8.9E-03 | n | |
| | | | | 6.0E-01 | I | 5.0E+00 | I | V | | 1 | | 2.8E+04 | Methyl Ethyl Ketone (2-Butanone) | 78-93-3 | 2.7E+04 | n | 1.9E+05 | nns | 5.2E+03 | n | 2.2E+04 | n | 5.6E+03 | n | | | 1.2E+00 | n | |
| | | 1.0E-03 | X | 1.0E-03 | P | 2.0E-05 | X | V | | 1 | | 1.8E+05 | Methyl Hydrazine | 60-34-4 | 1.4E-01 | c** | 6.2E-01 | c** | 2.5E-03 | c** | 1.2E-02 | c** | 3.9E-03 | c** | | | 1.3E-06 | c** | |
| | | | | | | 3.0E+00 | I | V | | 1 | | 3.4E+03 | Methyl Isobutyl Ketone (4-methyl-2-pentanone) | 108-10-1 | 3.3E+04 | ns | 1.4E+05 | nns | 3.1E+03 | n | 1.3E+04 | n | 6.3E+03 | n | | | 1.4E+00 | n | |
| | | | | | | 1.0E-03 | C | V | | 1 | | 1.0E+04 | Methyl Isocyanate | 624-83-9 | 4.6E+00 | n | 1.9E+01 | n | 1.0E+00 | n | 4.4E+00 | n | 2.1E+00 | n | | | 5.9E-04 | n | |
| | | | | 1.4E+00 | I | 7.0E-01 | I | V | | 1 | | 2.4E+03 | Methyl Methacrylate | 80-62-6 | 4.4E+03 | ns | 1.9E+04 | ns | 7.3E+02 | n | 3.1E+03 | n | 1.4E+03 | n | | | 3.0E-01 | n | |
| | | | | 2.5E-04 | I | | | | | 1 | 0.1 | | Methyl Parathion | 298-00-0 | 1.6E+01 | n | 2.1E+02 | n | | | | | 4.5E+00 | n | | | 2.4E-03 | n | |
| | | | | 6.0E-02 | X | | | | | 1 | 0.1 | | Methyl Phosphonic Acid | 993-13-5 | 3.8E+03 | n | 4.9E+04 | n | | | | | 1.2E+03 | n | | | 2.4E-01 | n | |
| | | | | 5.0E-03 | H | 4.0E-02 | H | V | | 1 | | 3.9E+02 | Methyl Styrene (Mixed Isomers) | 25013-15-4 | 3.2E+02 | n | 2.0E+03 | ns | 4.2E+01 | n | 1.8E+02 | n | 2.3E+01 | n | | | 3.8E-02 | n | |
| 9.9E-02 | C | 2.8E-05 | C | | | | | | | 1 | 0.1 | | Methyl methanesulfonate | 66-27-3 | 5.5E+00 | c | 2.3E+01 | c | 1.0E-01 | c | 4.4E-01 | c | 7.9E-01 | c | | | 1.6E-04 | c | |
| 1.8E-03 | C | 2.6E-07 | C | | | 3.0E+00 | I | V | | 1 | | 8.9E+03 | Methyl tert-Butyl Ether (MTBE) | 1634-04-4 | 4.7E+01 | c | 2.1E+02 | c | 1.1E+01 | c | 4.7E+01 | c | 1.4E+01 | c | | | 3.7E-03 | c | |
| | | | | 3.0E-04 | X | | | | | 1 | 0.1 | | Methyl-1,4-benzenediamine dihydrochloride, 2- | 615-45-2 | 1.9E+01 | n | 2.5E+02 | n | | | | | 6.0E+00 | n | | | 3.6E-03 | n | |
| 9.0E-03 | P | | | 2.0E-02 | X | | | | | 1 | 0.1 | | Methyl-5-nitroaniline, 2- | 99-55-8 | 6.0E+01 | c* | 2.6E+02 | c* | | | | | 6.2E+00 | c* | | | 4.6E-03 | c* | |
| 8.3E+00 | C | 2.4E-03 | C | | | | | | | 1 | 0.1 | | Methyl-N-nitro-N-nitrosoguanidine, N- | 70-25-7 | 6.6E-02 | c | 2.8E-01 | c | 1.2E-03 | c | 5.1E-03 | c | 9.4E-03 | c | | | 3.7E-06 | c | |
| 1.3E-01 | C | 3.7E-05 | C | | | | | | | 1 | 0.1 | | Methylaniline Hydrochloride, 2- | 636-21-5 | 4.2E+00 | c | 1.8E+01 | c | 7.6E-02 | c | 3.3E-01 | c | 8.0E-01 | c | | | 2.6E-04 | c | |
| | | | | 1.0E-02 | A | | | | | 1 | 0.1 | | Methylarsonic acid | 124-58-3 | 6.3E+02 | n | 8.2E+03 | n | | | | | 2.0E+02 | n | | | 5.8E-02 | n | |
| | | | | 2.0E-04 | X | | | | | 1 | 0.1 | | Methylbenzene, 1-4-diamine monohydrochloride, 2- | 74612-12-7 | 1.3E+01 | n | 1.6E+02 | n | | | | | 4.0E+00 | n | | | | n | |
| 1.0E-01 | X | | | 3.0E-04 | X | | | | | 1 | 0.1 | | Methylbenzene-1,4-diamine sulfate, 2- | 615-50-9 | 5.4E+00 | c** | 2.3E+01 | c* | | | | | 7.5E-01 | c** | | | | c** | |
| 2.2E+01 | C | 6.3E-03 | C | | | | | | M | 1 | 0.1 | | Methylcholanthrene, 3- | 56-49-5 | 5.5E-03 | c | 1.0E-01 | c | 1.6E-04 | c | 1.9E-03 | c | 1.1E-03 | c | | | 2.2E-03 | c | |
| 2.0E-03 | I | 1.0E-06 | I | 6.0E-03 | I | 6.0E-01 | I | V | M | 1 | | 3.3E+03 | Methylene Chloride | 75-09-2 | 9.7E+01 | c** | 1.0E+03 | c** | 1.0E+02 | c** | 1.2E+03 | c** | 1.1E+01 | c** | 5.0E+00 | | 2.9E-03 | c** | 1.3E-03 |
| 1.0E-01 | P | 4.3E-04 | C | 2.0E-03 | P | | | | M | 1 | 0.1 | | Methylene-bis(2-chloroaniline), 4,4'- | 101-14-4 | 1.2E+00 | c | 2.3E+01 | c* | 2.4E-03 | c | 2.9E-02 | c | 1.6E-01 | c | | | 1.8E-03 | c | |
| 4.9E-02 | I | 1.3E-05 | C | | | | | | | 1 | 0.1 | | Methylene-bis(N,N-dimethyl) Aniline, 4,4'- | 101-61-1 | 1.2E+01 | c | 5.0E+01 | c | 2.2E-01 | c | 9.4E-01 | c | 4.3E-01 | c | | | 2.0E-03 | c | |
| 1.6E+00 | C | 4.6E-04 | C | | | 2.0E-02 | C | | | 1 | 0.1 | | Methylenebis(benzenamine), 4,4'- | 101-77-9 | 3.4E-01 | c | 1.4E+00 | c | 6.1E-03 | c | 2.7E-02 | c | 4.7E-02 | c | | | 2.1E-04 | c | |
| | | | | | | 6.0E-04 | I | | | 1 | 0.1 | | Methylenediphenyl Diisocyanate | 101-68-8 | 6.5E+05 | nm | 3.6E+06 | nm | 9.3E-01 | n | 2.6E+00 | n | | | | | | |
| | | | | 7.0E-02 | H | | | V | | 1 | | 9.0E+02 | Methylstyrene, Alpha- | 98-83-9 | 5.5E+03 | ns | 8.2E+04 | ns | | | | | 7.8E+02 | n | | | 1.2E+00 | n | |
| | | | | 1.5E-01 | I | | | | | 1 | 0.1 | | Metolachlor | 51218-45-2 | 9.5E+03 | n | 1.2E+05 | nm | | | | | 2.7E+03 | n | | | 3.2E+00 | n | |

TR=1E-06
HQ=1.0

Key: I = IRIS, P = PPRTV, A = ATSDR, C = Cal EPA, X = APPENDIX PPRTV SCREEN (See FAQ #27); n = HEAST, F = See FAQ; J = New Jersey, O = EPA Office of Water, E = see user guide Section 2.3.5, L = see user guide on lead, M = mutagen, S = see user guide Section 5, V = volatile, R = RBA applied (See User Guide for Arsenic notice); c = cancer, n = noncancer, * = where: n SL < 100X c SL, ** = where n SL < 10X c SL, SSL values are based on DAF=1, m = Concentration may exceed ceiling limit (See User Guide), s = Concentration may exceed Csat (See User Guide)

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | | Contaminant | | Screening Levels | | | | | | | | | | Protection of Ground Water SSLs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | key | IUR (ug/m$^3$)$^{-1}$ | key | $RfD_o$ (mg/kg-day) | key | $RfC_i$ (mg/m$^3$) | key | muta-gen | GIABS | ABS | $C_{sat}$ (mg/kg) | Analyte | CAS No. | Resident Soil (mg/kg) | key | Industrial Soil (mg/kg) | key | Resident Air (ug/m$^3$) | key | Industrial Air (ug/m$^3$) | key | Tapwater (ug/L) | key | MCL (ug/L) | RSL-based SSL (mg/kg) | key | MCL-based SSL (mg/kg) |
| | | | | 2.5E-02 | I | | | | 1 | 0.1 | | Metribuzin | 21087-64-9 | 1.0E+03 | n | 2.1E+04 | n | | | | | 4.0E+02 | n | | 1.5E-01 | n | |
| | | | | 2.5E-01 | I | | | | 1 | 0.1 | | Metsulfuron-methyl | 74223-64-6 | 1.0E+04 | n | 2.1E+05 | nm | | | | | 4.0E+03 | n | | 1.9E+00 | n | |
| | | | | 3.0E+00 | P | | | V | 1 | | 3.4E-01 | Mineral oils | 8012-95-1 | 2.3E+05 | nms | 3.5E+06 | nms | | | | | 6.0E+04 | n | | 2.4E+03 | n | |
| 1.8E+01 | C | 5.1E-03 | C | 2.0E-04 | I | | | V | 1 | | | Mirex | 2385-85-5 | 3.6E-02 | n | 1.7E-01 | c | 5.5E-04 | c | 2.4E-03 | c | 8.8E-04 | c | | 8.3E-04 | c | |
| | | | | 2.0E-03 | I | | | | 1 | 0.1 | | Molinate | 2212-67-1 | 1.3E+02 | n | 1.6E+03 | n | | | | | 3.0E+01 | n | | 1.7E-02 | n | |
| | | | | 5.0E-03 | I | | | | 1 | | | Molybdenum | 7439-98-7 | 3.3E+02 | n | 5.8E+03 | n | | | | | 1.0E+02 | n | | 2.0E+00 | n | |
| | | | | 1.0E-01 | I | | | | 1 | | | Monochloramine | 10599-90-3 | 7.8E+03 | n | 1.2E+05 | nm | | | | | 2.0E+03 | n | 4.0E+03 | | n | |
| | | | | 2.0E-03 | P | | | | 1 | 0.1 | | Monomethylaniline | 100-61-8 | 1.3E+02 | n | 1.6E+03 | n | | | | | 3.8E+01 | n | | 1.4E-02 | n | |
| | | | | 2.5E-02 | I | | | | 1 | 0.1 | | Myclobutanil | 88671-89-0 | 1.5E+03 | n | 2.1E+04 | n | | | | | 4.5E+02 | n | | 5.6E+00 | n | |
| | | | | 3.0E-04 | X | | | | 1 | 0.1 | | N,N-Diphenyl-1,4-benzenediamine | 74-31-7 | 1.9E+01 | n | 2.5E+02 | n | | | | | 3.8E+00 | n | | 3.7E-01 | n | |
| | | | | 2.0E-03 | I | | | V | 1 | | | Naled | 300-76-5 | 1.6E+02 | n | 2.3E+03 | n | | | | | 4.0E+01 | n | | 1.8E-02 | n | |
| | | | | 3.0E-02 | X | 1.0E-01 | P | V | 1 | | | Naphtha, High Flash Aromatic (HFAN) | 64742-95-6 | 2.3E+03 | n | 3.5E+04 | n | 1.0E+02 | n | 4.4E+02 | n | 1.5E+02 | n | | | n | |
| 1.8E+00 | C | 0.0E+00 | C | | | | | | 1 | 0.1 | | Naphthalene, 2- | 91-59-8 | 3.0E-01 | c | 1.3E+00 | c | | | | | 3.9E-02 | c | | 2.0E-04 | c | |
| | | | | 1.0E-01 | I | | | | 1 | 0.1 | | Napropamide | 15299-99-7 | 6.3E+03 | n | 8.2E+04 | n | | | | | 1.6E+03 | n | | 1.1E+01 | n | |
| | | 2.6E-04 | C | 1.1E-02 | C | 1.4E-05 | C | | 1 | 0.1 | | Nickel Acetate | 373-02-4 | 6.7E+02 | n | 8.1E+03 | n | 1.1E-02 | c** | 4.7E-02 | c** | 2.2E+02 | n | | 4.5E-02 | n | |
| | | 2.6E-04 | C | 1.1E-02 | C | 1.4E-05 | C | | 1 | 0.1 | | Nickel Carbonate | 3333-67-3 | 6.7E+02 | n | 8.1E+03 | n | 1.1E-02 | c** | 4.7E-02 | c** | 2.2E+02 | n | | | n | |
| | | 2.6E-04 | C | 1.1E-02 | C | 1.4E-05 | C | V | 1 | | | Nickel Carbonyl | 13463-39-3 | 8.2E+02 | n | 1.1E+04 | n | 1.1E-02 | c** | 4.7E-02 | c** | 2.2E-02 | c** | | | c** | |
| | | 2.6E-04 | C | 1.1E-02 | C | 1.4E-05 | C | | 0.04 | | | Nickel Hydroxide | 12054-48-7 | 8.2E+02 | n | 1.1E+04 | n | 1.1E-02 | c** | 4.7E-02 | c** | 2.0E+02 | n | | | n | |
| | | 2.6E-04 | C | 1.1E-02 | C | 2.0E-05 | C | | 0.04 | | | Nickel Oxide | 1313-99-1 | 8.4E+02 | n | 1.2E+04 | n | 1.1E-02 | c** | 4.7E-02 | c** | 2.0E+02 | n | | | n | |
| | | 2.4E-04 | I | 1.1E-02 | C | 1.4E-05 | C | | 0.04 | | | Nickel Refinery Dust | NA | 8.2E+02 | n | 1.1E+04 | n | 1.2E-02 | c** | 5.1E-02 | c** | 2.2E+02 | n | | 3.3E+01 | n | |
| | | 2.6E-04 | C | 2.0E-02 | I | 9.0E-05 | A | | 0.04 | | | Nickel Soluble Salts | 7440-02-0 | 1.5E+03 | n | 2.2E+04 | n | 1.1E-02 | c** | 4.7E-02 | c** | 3.9E+02 | n | | 2.6E+01 | n | |
| 1.7E+00 | C | 4.8E-04 | I | 1.1E-02 | C | 1.4E-05 | C | | 0.04 | | | Nickel Subsulfide | 12035-72-2 | 4.1E-01 | c | 1.8E+00 | c | 5.8E-03 | c** | 2.6E-02 | c** | 4.5E-02 | c | | | n | |
| | | 2.6E-04 | C | 1.1E-02 | C | 1.4E-05 | C | | 1 | 0.1 | | Nickelocene | 1271-28-9 | 6.7E+02 | n | 8.1E+03 | n | 1.1E-02 | c** | 4.7E-02 | c** | 2.2E+02 | n | | | n | |
| | | | | 1.6E+00 | I | | | | 1 | | | Nitrate | 14797-55-8 | 1.3E+05 | nm | 1.9E+06 | nm | | | | | 3.2E+04 | n | 1.0E+04 | | n | |
| | | | | | | | | | 1 | | | Nitrate + Nitrite (as N) | NA | | | | | | | | | | | 1.0E+04 | | | |
| | | | | 1.0E-01 | I | | | | 1 | | | Nitrite | 14797-65-0 | 7.8E+03 | n | 1.2E+05 | nm | | | | | 2.0E+03 | n | 1.0E+03 | | n | |
| | | | | 1.0E-02 | X | 5.0E-05 | X | | 1 | 0.1 | | Nitroaniline, 2- | 88-74-4 | 6.3E+02 | n | 8.0E+03 | n | 5.2E-02 | n | 2.2E-01 | n | 1.9E+02 | n | | 8.5E-02 | n | |
| 2.0E-02 | P | | | 4.0E-03 | P | 6.0E-03 | P | | 1 | 0.1 | | Nitroaniline, 4- | 100-01-6 | 2.7E+01 | c** | 1.1E+02 | c** | 8.3E+00 | n | 2.6E+01 | n | 3.8E+00 | c* | | 1.6E-03 | c* | |
| | | 4.0E-05 | I | 2.0E-03 | I | 9.0E-03 | I | V | 1 | | 3.1E+03 | Nitrobenzene | 98-95-3 | 5.1E+00 | c* | 2.2E+01 | c* | 7.0E-02 | c | 3.1E-01 | c | 1.4E-01 | c* | | 9.2E-05 | c* | |
| | | | | 3.0E+03 | P | | | | 1 | 0.1 | | Nitrocellulose | 9004-70-0 | 1.0E+08 | nm | 2.5E+09 | nm | | | | | 6.0E+07 | n | | 1.3E+04 | n | |
| | | | | 7.0E-02 | H | | | | 1 | 0.1 | | Nitrofurantoin | 67-20-9 | 4.4E+03 | n | 5.7E+04 | n | | | | | 1.4E+03 | n | | 6.1E-01 | n | |
| 1.3E+00 | C | 3.7E-04 | C | | | | | | 1 | 0.1 | | Nitrofurazone | 59-87-0 | 4.2E-01 | c | 1.8E+00 | c | 7.6E-03 | c | 3.3E-02 | c | 6.0E-02 | c | | 5.4E-05 | c | |
| 1.7E-02 | P | | | 1.0E-04 | P | | | | 1 | 0.1 | | Nitroglycerin | 55-63-0 | 6.3E+00 | n | 8.2E+01 | n | | | | | 2.0E+00 | n | | 8.5E-04 | n | |
| | | | | 1.0E-01 | I | | | | 1 | 0.1 | | Nitroguanidine | 556-88-7 | 8.3E+03 | n | 9.2E+04 | n | | | | | 2.0E+03 | n | | 4.8E-01 | n | |
| | | 8.8E-06 | P | | | 5.0E-03 | P | V | 1 | | 1.8E+04 | Nitromethane | 75-52-5 | 5.4E+00 | c* | 2.4E+01 | c* | 3.2E-01 | c* | 1.4E+00 | c* | 6.4E-01 | c* | | 1.4E-04 | c* | |
| | | 2.7E-03 | H | | | 2.0E-02 | I | V | 1 | | 4.9E+03 | Nitropropane, 2- | 79-46-9 | 1.4E-02 | c | 6.0E-02 | c | 1.0E-03 | c | 4.5E-03 | c | 2.1E-03 | c | | 9.4E-07 | c | |
| 2.7E+01 | C | 7.7E-03 | C | | | | | M | 1 | 0.1 | | Nitroso-N-ethylurea, N- | 759-73-9 | 4.5E-03 | c | 9.5E-02 | c | 1.3E-04 | c | 1.8E-03 | c | 9.2E-04 | c | | 2.2E-07 | c | |
| 1.2E+02 | C | 3.4E-02 | C | | | | | M | 1 | 0.1 | | Nitroso-N-methylurea, N- | 684-93-5 | 1.0E-03 | c | 1.8E-02 | c | 3.0E-06 | c | 3.8E-04 | c | 2.1E-04 | c | | 4.8E-08 | c | |
| 5.4E+00 | I | 1.6E-03 | I | | | | | V | 1 | | | Nitroso-di-N-butylamine, N- | 924-16-3 | 9.9E-02 | c | 4.6E-01 | c | 1.8E-03 | c | 7.7E-03 | c | 2.7E-03 | c | | 5.5E-06 | c | |
| 7.0E+00 | I | 2.0E-03 | C | | | | | | 1 | 0.1 | | Nitroso-di-N-propylamine, N- | 621-64-7 | 7.8E-02 | c | 3.3E-01 | c | 1.4E-03 | c | 6.1E-03 | c | 1.1E-02 | c | | 8.1E-06 | c | |
| 2.8E+00 | I | 8.0E-04 | C | | | | | | 1 | 0.1 | | Nitrosodiethanolamine, N- | 1116-54-7 | 1.9E-01 | c | 8.2E-01 | c | 3.5E-03 | c | 1.5E-02 | c | 2.8E-02 | c | | 5.6E-06 | c | |
| 1.5E+02 | I | 4.3E-02 | I | | | | | M | 1 | 0.1 | | Nitrosodiethylamine, N- | 55-18-5 | 8.1E-04 | c | 1.6E-02 | c | 3.4E-06 | c | 2.9E-04 | c | 1.7E-04 | c | | 8.1E-08 | c | |
| 5.1E+01 | I | 1.4E-02 | I | 8.0E-06 | P | 4.0E-05 | X | V | M | 1 | 2.4E+05 | Nitrosodimethylamine, N- | 62-75-9 | 2.0E-03 | c | 3.4E-02 | c | 7.2E-05 | c | 8.8E-04 | c | 1.1E-04 | c | | 2.7E-08 | c | |
| 4.9E-03 | I | 2.6E-06 | C | | | | | | 1 | 0.1 | | Nitrosodiphenylamine, N- | 86-30-6 | 1.1E+02 | c | 4.7E+02 | c | 1.1E+00 | c | 4.7E+00 | c | 1.2E+01 | c | | 6.7E-02 | c | |
| 2.2E+01 | I | 6.3E-03 | C | | | | | V | 1 | | 1.1E+05 | Nitrosomethylethylamine, N- | 10595-95-6 | 2.0E-02 | c | 9.1E-02 | c | 4.5E-04 | c | 1.9E-03 | c | 7.1E-04 | c | | 3.0E-07 | c | |
| 6.1E+00 | C | 1.9E-03 | C | | | | | | 1 | 0.1 | | Nitrosomorpholine [N-] | 59-89-2 | 9.1E-02 | c | 3.4E-01 | c | 1.5E-03 | c | 6.5E-03 | c | 1.2E-02 | c | | 2.8E-08 | c | |
| 9.4E+00 | C | 2.7E-03 | C | | | | | | 1 | 0.1 | | Nitrosopiperidine [N-] | 100-75-4 | 5.8E-02 | c | 2.4E-01 | c | 1.0E-03 | c | 4.5E-03 | c | 8.2E-03 | c | | 4.8E-08 | c | |
| 2.1E+00 | I | 6.1E-04 | I | | | | | | 1 | 0.1 | | Nitrosopyrrolidine, N- | 930-55-2 | 2.6E-01 | c | 1.1E+00 | c | 4.6E-03 | c | 2.0E-02 | c | 3.7E-02 | c | | 1.4E-08 | c | |
| | | | | 1.0E-04 | X | | | | 1 | 0.1 | | Nitrotoluene, m- | 99-08-1 | 8.3E+00 | n | 8.2E+01 | n | | | | | 1.7E+00 | n | | 1.0E-03 | n | |
| 2.2E-01 | P | | | 9.0E-04 | P | | | V | 1 | | 1.5E+03 | Nitrotoluene, o- | 88-72-2 | 3.2E+00 | c* | 1.5E+01 | c* | | | | | 3.1E+01 | c* | | 2.0E-04 | c* | |
| 1.6E-02 | P | | | 4.0E-03 | P | | | | 1 | 0.1 | | Nitrotoluene, p- | 99-99-0 | 3.4E+01 | c** | 1.4E+02 | c* | | | | | 4.3E+00 | c* | | 4.0E-03 | c* | |
| | | | | 3.0E-04 | X | 2.0E-02 | P | V | 1 | | 8.9E+00 | Nonane, n- | 111-84-2 | 1.1E+01 | ns | 7.2E+01 | ns | 2.1E+01 | n | 8.8E+01 | n | 5.3E+00 | n | | 7.5E-02 | n | |
| | | 4.0E-02 | I | | | | | | 1 | 0.1 | | Norflurazon | 27314-13-2 | 2.5E+03 | n | 3.3E+04 | n | | | | | 7.7E+02 | n | | 5.0E+00 | n | |
| | | 3.0E-03 | I | | | | | | 1 | 0.1 | | Octabromodiphenyl Ether | 32536-52-0 | 1.9E+02 | n | 2.5E+03 | n | | | | | 6.0E+01 | n | | 1.2E+01 | n | |
| | | 5.0E-02 | I | | | | | | 1 | 0.005 | | Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX) | 2691-41-0 | 3.9E+03 | n | 5.7E+04 | n | | | | | 1.0E+03 | n | | 1.3E+00 | n | |
| | | 2.0E-03 | H | | | | | | 1 | 0.1 | | Octamethylpyrophosphoramide | 152-16-9 | 1.3E+02 | n | 1.6E+03 | n | | | | | 4.0E+01 | n | | 9.6E-03 | n | |
| | | 5.0E-02 | I | | | | | | 1 | 0.1 | | Oryzalin | 19044-88-3 | 3.2E+03 | n | 4.1E+04 | n | | | | | 9.1E+02 | n | | 1.5E+00 | n | |
| | | 5.0E-03 | I | | | | | | 1 | 0.1 | | Oxadiazon | 19666-30-9 | 3.2E+02 | n | 4.1E+03 | n | | | | | 4.7E+01 | n | | 4.8E-01 | n | |
| | | 2.5E-02 | I | | | | | | 1 | 0.1 | | Oxamyl | 23135-22-0 | 1.6E+03 | n | 2.1E+04 | n | | | | | 5.0E+02 | n | 2.0E+02 | 1.1E-01 | n | 4.4E-02 |
| | | 3.0E-03 | I | | | | | | 1 | 0.1 | | Oxyfluorfen | 42874-03-3 | 1.9E+02 | n | 2.5E+03 | n | | | | | 3.2E+01 | n | | 2.0E+00 | n | |
| | | 1.3E-02 | I | | | | | | 1 | 0.1 | | Paclobutrazol | 76738-62-0 | 8.2E+02 | n | 1.1E+04 | n | | | | | 2.3E+02 | n | | 4.6E-01 | n | |
| | | 4.5E-03 | I | | | | | | 1 | 0.1 | | Paraquat Dichloride | 1910-42-5 | 2.8E+02 | n | 3.7E+03 | n | | | | | 9.0E+01 | n | | 1.2E+00 | n | |
| | | 9.0E-03 | H | | | | | | 1 | 0.1 | | Parathion | 56-38-2 | 5.8E+02 | n | 4.9E+03 | n | | | | | 8.0E+01 | n | | 4.3E-01 | n | |
| | | 5.0E-02 | H | | | | | V | 1 | | | Pebulate | 1114-71-2 | 3.9E+03 | n | 5.9E+04 | n | | | | | 5.6E+02 | n | | 4.3E-01 | n | |
| | | 4.0E-02 | I | | | | | | 1 | 0.1 | | Pendimethalin | 40487-42-1 | 2.5E+03 | n | 3.3E+04 | n | | | | | 1.8E+02 | n | | 2.1E+00 | n | |
| | | 2.0E-03 | I | | | | | V | 1 | | 3.1E-01 | Pentabromodiphenyl Ether | 32534-81-9 | 1.0E+02 | ns | 2.3E+03 | ns | | | | | 4.0E+01 | n | | 1.7E+00 | n | |
| | | 1.0E-04 | I | | | | | | 1 | 0.1 | | Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99) | 60348-60-9 | 6.3E+02 | n | 8.2E+01 | n | | | | | 2.0E+00 | n | | 8.7E-02 | n | |
| | | 6.0E-04 | I | | | | | V | 1 | | | Pentachlorobenzene | 608-93-5 | 6.3E+01 | n | 9.3E+02 | n | | | | | 3.2E+00 | n | | 2.4E-02 | n | |
| 9.0E-02 | P | | | | | | | V | 1 | | 4.6E+02 | Pentachloroethane | 79-01-7 | 7.7E+00 | c | 3.6E+01 | c | | | | | 8.5E-01 | c | | 3.1E-04 | c | |
| 2.6E-01 | H | | | 3.0E-03 | I | | | V | 1 | | | Pentachloronitrobenzene | 82-68-8 | 2.7E+00 | c* | 1.3E+01 | c | | | | | 1.2E-01 | c | | 1.5E-03 | n | |
| 4.0E-01 | I | 5.1E-06 | C | 5.0E-03 | I | | | | 1 | 0.25 | | Pentachlorophenol | 87-86-5 | 1.0E+00 | c | 4.0E+00 | c | 5.5E-01 | c | 2.4E+00 | c | 4.1E-02 | c | 1.0E+00 | 5.7E-05 | n | 1.4E-03 |
| 4.0E-03 | X | | | 2.0E-03 | P | | | | 1 | 0.1 | | Pentaerythritol tetranitrate (PETN) | 78-11-5 | 1.3E+02 | n | 5.7E+02 | c** | | | | | 1.6E+01 | c** | | 2.8E-02 | c** | |
| | | | | | | 1.0E+00 | P | V | 1 | | 3.9E+02 | Pentane, n- | 109-66-0 | 8.1E+02 | ns | 3.4E+03 | ns | 1.0E+03 | n | 4.4E+03 | n | 2.1E+03 | n | | 1.0E+01 | n | |
| | | | | | | | | | | | | Perchlorates | | | | | | | | | | | | | | | | |
| | | 7.0E-04 | I | | | | | | 1 | | | Ammonium Perchlorate | 7790-98-9 | 5.5E+01 | n | 8.2E+02 | n | | | | | 1.4E+01 | n | | | n | |
| | | 7.0E-04 | I | | | | | | 1 | | | Lithium Perchlorate | 7791-03-9 | 5.5E+01 | n | 8.2E+02 | n | | | | | 1.4E+01 | n | | | n | |

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = APPENDIX PPRTV SCREEN (See FAQ #27); H = HEAST; F = See FAQ; J = New Jersey; O = EPA Office of Water; E = see user guide Section 2.3.5; L = see user guide on lead; M = mutagen; S = see user guide Section 5; V = volatile; R = RBA applied (See User Guide for Arsenic notice); c = cancer; n = noncancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; SSL values are based on DAF=1; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide)

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | Contaminant | | Screening Levels | | | | | | | | | | Protection of Ground Water SSLs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | key | IUR (ug/m$^3$)$^{-1}$ | key | $RfD_o$ (mg/kg-day) | key | $RfC_i$ (mg/m$^3$) | key | mutagen | GIABS | ABS | $C_{sat}$ (mg/kg) | Analyte | CAS No. | Resident Soil (mg/kg) | key | Industrial Soil (mg/kg) | key | Resident Air (ug/m$^3$) | key | Industrial Air (ug/m$^3$) | key | Tapwater (ug/L) | key | MCL (ug/L) | RBA-based SSL (mg/kg) | key | MCL-based SSL (mg/kg) |
| | | | | 7.0E-04 | I | | | | 1 | | | ~Perchlorate and Perchlorate Salts | 14797-73-0 | 5.5E+01 | n | 8.2E+02 | n | | | | | 1.4E+01 | n | 1.5E+01(F) | | n | |
| | | | | 7.0E-04 | I | | | | 1 | | | ~Potassium Perchlorate | 7778-74-7 | 5.5E+01 | n | 8.2E+02 | n | | | | | 1.4E+01 | n | | | n | |
| | | | | 7.0E-04 | I | | | | 1 | | | ~Sodium Perchlorate | 7601-89-0 | 5.5E+01 | n | 8.2E+02 | n | | | | | 1.4E+01 | n | | | n | |
| | | | | 2.0E-02 | P | | | V | 1 | | | Perfluorobutane Sulfonate | 375-73-5 | 1.6E+03 | n | 2.3E+04 | n | | | | | 3.8E+02 | n | | 2.1E-01 | n | |
| | | | | 5.0E-02 | I | | | | 1 | | 0.1 | Permethrin | 52645-53-1 | 3.2E+03 | n | 4.1E+04 | n | | | | | 1.0E+03 | n | | 2.4E+02 | n | |
| 2.2E-03 | C | 8.3E-07 | C | | | | | | 1 | | 0.1 | Phenacetin | 62-44-2 | 2.5E+02 | c | 1.0E+03 | c | 4.5E+00 | c | 1.9E+01 | c | 3.4E+01 | c | | 9.7E-03 | c | |
| | | | | 2.5E-01 | I | | | | 1 | | 0.1 | Phenmedipham | 13684-63-4 | 1.6E+04 | n | 2.1E+05 | nm | | | | | 4.0E+03 | n | | 2.1E+01 | n | |
| | | | | 3.0E-01 | I | 2.0E-01 | C | | 1 | | 0.1 | Phenol | 108-95-2 | 1.9E+04 | n | 2.5E+05 | nm | 2.1E+02 | n | 8.8E+02 | n | 6.6E+03 | n | | 3.7E+00 | n | |
| | | | | 4.0E-03 | I | | | | 1 | | 0.1 | Phenol, 2-(1-methylethoxy)-, methylcarbamate | 114-26-1 | 2.5E+02 | n | 3.3E+03 | c | | | | | 7.8E+01 | n | | 2.5E-02 | n | |
| | | | | 5.0E-04 | X | | | | 1 | | 0.1 | Phenothiazine | 92-84-2 | 3.2E+01 | n | 4.1E+02 | n | | | | | 4.3E+00 | n | | 1.4E-02 | n | |
| | | | | 9.0E-03 | I | | | | 1 | | 0.1 | Phenylenediamine, m- | 108-45-2 | 3.8E+02 | n | 4.9E+03 | n | | | | | 1.2E+02 | n | | 3.2E-02 | n | |
| 4.7E-02 | H | | | | | | | | 1 | | 0.1 | Phenylenediamine, o- | 95-54-5 | 1.2E+01 | c | 4.9E+01 | c | | | | | 1.6E+00 | c | | 4.4E-04 | c | |
| | | | | 1.9E-01 | H | | | | 1 | | 0.1 | Phenylenediamine, p- | 106-50-3 | 1.2E+04 | n | 1.6E+05 | nm | | | | | 3.8E+03 | n | | 1.0E+00 | n | |
| 1.9E-03 | H | | | | | | | | 1 | | 0.1 | Phenylphenol, 2- | 90-43-7 | 2.8E+02 | c | 1.2E+03 | c | | | | | 3.0E+01 | c | | 4.1E-01 | c | |
| | | | | 2.0E-04 | H | | | | 1 | | 0.1 | Phorate | 298-02-2 | 1.3E+01 | n | 1.6E+02 | n | | | | | 3.0E+00 | n | | 3.4E-03 | n | |
| | | | | | | 3.0E-04 | I | V | 1 | | | Phosgene | 75-44-5 | 3.1E-01 | n | 1.3E+00 | n | 3.1E-01 | n | 1.3E+00 | n | | | | | | 1.6E+03 |
| | | | | 2.0E-02 | I | | | | 1 | | 0.1 | Phosmet | 732-11-6 | 1.3E+03 | n | 1.6E+04 | n | | | | | 3.7E+02 | n | | 8.2E-02 | n | |
| | | | | | | | | | | | | Phosphates, Inorganic | | | | | | | | | | | | | | | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Aluminum metaphosphate | 13776-88-0 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Ammonium polyphosphate | 68333-79-9 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Calcium pyrophosphate | 7790-76-3 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Diammonium phosphate | 7783-28-0 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Dicalcium phosphate | 7757-93-9 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Dimagnesium phosphate | 7782-75-4 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Dipotassium phosphate | 7758-11-4 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Disodium phosphate | 7558-79-4 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Monoaluminum phosphate | 13530-50-2 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Monoammonium phosphate | 7722-76-1 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Monocalcium phosphate | 7758-23-8 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Monomagnesium phosphate | 7757-86-0 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Monopotassium phosphate | 7778-77-0 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Monosodium phosphate | 7558-80-7 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Polyphosphoric acid | 8017-16-1 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Potassium tripolyphosphate | 13845-36-8 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Sodium acid pyrophosphate | 7758-16-9 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Sodium aluminum phosphate (acidic) | 7785-88-8 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Sodium aluminum phosphate (anhydrous) | 10279-59-1 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Sodium aluminum phosphate (tetrahydrate) | 10305-76-7 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Sodium hexametaphosphate | 10124-56-8 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Sodium polyphosphate | 68915-31-1 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Sodium trimetaphosphate | 7785-84-4 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Sodium tripolyphosphate | 7758-29-4 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Tetrapotassium phosphate | 7320-34-5 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Tetrasodium pyrophosphate | 7722-88-5 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Trialuminum sodium tetra decahydrogenoctaorthophosphate (dihydrate) | 15136-87-5 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Trisodium phosphate | 7758-87-4 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Trimagnesium phosphate | 7757-87-1 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Tripotassium phosphate | 7778-53-2 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 4.9E+01 | P | | | | 1 | | | ~Trisodium phosphate | 7601-54-9 | 3.9E+06 | nm | 5.7E+07 | nm | | | | | 9.7E+05 | n | | | n | |
| | | | | 3.0E-04 | I | 3.0E-04 | I | V | 1 | | | Phosphine | 7803-51-2 | 2.3E+01 | n | 3.5E+02 | n | 3.1E-01 | n | 1.3E+00 | n | 5.7E-01 | n | | | n | |
| | | | | 4.9E+01 | P | 1.0E-02 | I | | 1 | | | Phosphoric Acid | 7664-38-2 | 3.0E+06 | nm | 2.9E+07 | nm | 1.0E+01 | n | 4.4E+01 | n | 9.7E+05 | n | | | n | |
| | | | | 2.0E-06 | I | | | V | 1 | | | Phosphorus, White | 7723-14-0 | 1.6E+00 | n | 2.3E+01 | n | | | | | 4.0E-01 | n | | 1.5E-03 | n | |
| | | | | | | | | | | | | Phthalates | | | | | | | | | | | | | | | |
| 1.4E-02 | I | 2.4E-06 | C | 2.0E-02 | I | | | | 1 | | 0.1 | ~Bis(2-ethylhexyl)phthalate | 117-81-7 | 3.9E+01 | c* | 1.6E+02 | c | 1.2E+00 | c | 5.1E+00 | c | 5.6E+00 | c* | 6.0E+00 | 1.3E+00 | c* | 1.4E+00 |
| 1.9E-03 | P | | | 2.0E-01 | I | | | | 1 | | 0.1 | ~Butyl Benzyl Phthalate | 85-68-7 | 2.9E+02 | c* | 1.2E+03 | c | | | | | 1.6E+01 | c | | 2.4E-01 | c | |
| | | | | 1.0E+00 | I | | | | 1 | | 0.1 | ~Butylphthalyl Butylglycolate | 85-70-1 | 6.3E+04 | n | 8.2E+05 | nm | | | | | 1.3E+04 | n | | 3.1E+02 | n | |
| | | | | 1.0E-01 | I | | | | 1 | | 0.1 | ~Dibutyl Phthalate | 84-74-2 | 6.3E+03 | n | 8.2E+04 | n | | | | | 9.0E+02 | n | | 2.3E+00 | n | |
| | | | | 8.0E-01 | I | | | | 1 | | 0.1 | ~Diethyl Phthalate | 84-66-2 | 5.1E+04 | n | 6.6E+06 | nm | | | | | 1.6E+04 | n | | 6.1E+00 | n | |
| | | | | 1.0E-01 | I | | | V | 1 | | | ~Dimethylterephthalate | 120-61-6 | 7.0E+03 | n | 1.2E+05 | nm | | | | | 1.9E+03 | n | | 4.9E-01 | n | |
| | | | | 1.0E-02 | P | | | | 1 | | 0.1 | ~Octyl Phthalate, di-N- | 117-84-0 | 6.3E+02 | n | 8.2E+03 | n | | | | | 2.0E+02 | n | | 3.7E+01 | n | |
| | | | | 1.0E+00 | H | | | | 1 | | 0.1 | ~Phthalic Acid, P- | 100-21-0 | 6.3E+04 | n | 8.2E+05 | nm | | | | | 1.9E+04 | n | | 6.6E+00 | n | |
| | | | | 2.0E+00 | I | 2.0E-02 | C | | 1 | | 0.1 | ~Phthalic Anhydride | 85-44-9 | 1.3E+05 | nm | 1.6E+06 | nm | 2.1E+01 | n | 8.8E+01 | n | 3.9E+04 | n | | 8.5E+00 | n | |
| | | | | 7.0E-02 | I | | | | 1 | | 0.1 | Picloram | 1918-02-1 | 4.4E+03 | n | 5.7E+04 | n | | | | | 1.4E+03 | n | 5.0E+02 | 3.8E-01 | n | 1.4E-01 |
| | | | | 1.0E-04 | X | | | | 1 | | 0.1 | Picramic Acid (2-Amino-4,6-dinitrophenol) | 96-91-3 | 6.3E+00 | n | 8.2E+01 | n | | | | | 2.0E+00 | n | | 1.3E-03 | n | |
| | | | | 9.0E-04 | X | | | | 1 | | 0.1 | Picric Acid (2,4,6-Trinitrophenol) | 88-89-1 | 5.7E+01 | n | 7.4E+02 | n | | | | | 1.8E+01 | n | | 8.4E-02 | n | |
| | | | | 1.0E-02 | I | | | | 1 | | 0.1 | Pirimiphos, Methyl | 29232-93-7 | 6.3E+02 | n | 8.2E+03 | n | | | | | 1.2E+02 | n | | 1.2E-01 | n | |
| 3.0E+01 | C | 8.6E-03 | C | 7.0E-06 | H | | | | 1 | | 0.1 | Polybrominated Biphenyls | 59536-65-1 | 1.6E-02 | c* | 7.7E-02 | c* | 3.3E-04 | c | 1.4E-03 | c | 2.8E-01 | c* | | | c* | |
| | | | | | | | | | | | | Polychlorinated Biphenyls (PCBs) | | | | | | | | | | | | | | | |
| 7.0E-02 | S | 2.0E-05 | S | 7.0E-05 | I | | | V | 1 | | 0.14 | ~Aroclor 1016 | 12674-11-2 | 4.1E+02 | n | 2.7E+01 | c** | 1.4E-01 | c | 6.1E-01 | c | 2.2E-01 | c** | | 2.1E-02 | c** | |
| 2.0E+00 | S | 5.7E-04 | S | | | | | V | 1 | | 0.14 | ~Aroclor 1221 | 11104-28-2 | 2.0E-01 | c | 8.3E-01 | c | 4.9E-03 | c | 2.1E-02 | c | 4.7E-03 | c | | 8.0E-05 | c | |
| 2.0E+00 | S | 5.7E-04 | S | | | | | V | 1 | | 0.14 | ~Aroclor 1232 | 11141-16-5 | 1.7E-01 | c | 7.2E-01 | c | 4.9E-03 | c | 2.1E-02 | c | 4.7E-03 | c | | 8.0E-05 | c | |
| 2.0E+00 | S | 5.7E-04 | S | | | | | V | 1 | | 0.14 | ~Aroclor 1242 | 53469-21-9 | 2.3E-01 | c | 9.6E-01 | c | 4.9E-03 | c | 2.1E-02 | c | 7.8E-03 | c | | 1.2E-03 | c | |
| 2.0E+00 | S | 5.7E-04 | S | | | | | V | 1 | | 0.14 | ~Aroclor 1248 | 12672-29-6 | 2.3E-01 | c | 9.6E-01 | c | 4.9E-03 | c | 2.1E-02 | c | 7.8E-03 | c | | 1.2E-03 | c | |
| 2.0E+00 | S | 5.7E-04 | S | 2.0E-05 | I | | | V | 1 | | 0.14 | ~Aroclor 1254 | 11097-69-1 | 2.4E-01 | c** | 9.7E-01 | c* | 4.9E-03 | c | 2.1E-02 | c | 7.8E-03 | c* | | 2.3E-03 | c* | |
| 2.0E+00 | S | 5.7E-04 | S | | | | | V | 1 | | 0.14 | ~Aroclor 1260 | 11096-82-5 | 2.4E-01 | c | 9.9E-01 | c | 4.9E-03 | c | 2.1E-02 | c | 7.8E-03 | c | | 6.3E-03 | c | |
| | | | | 6.0E-04 | X | | | V | 1 | | 0.14 | ~Aroclor 5460 | 11126-42-4 | 3.5E+01 | n | 4.4E+02 | n | | | | | 1.2E+01 | n | | 2.0E+00 | n | |

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = APPENDIX PPRTV SCREEN (See FAQ #27); H = HEAST; F = See FAQ; J = New Jersey; O = EPA Office of Water; E = see user guide Section 2.3.5; L = see user guide on lead; M = mutagen; S = see user guide Section 5; V = volatile; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; n = noncancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; SSL values are based on DAF=1; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide)

| SFO (mg/kg-day)^-1 | key | IUR (ug/m3)^-1 | key | RfDo (mg/kg-day) | key | RfCi (mg/m3) | key | vol | mutagen | GIABS | ABS | Csat (mg/kg) | Analyte | CAS No. | Resident Soil (mg/kg) | key | Industrial Soil (mg/kg) | key | Resident Air (ug/m3) | key | Industrial Air (ug/m3) | key | Tapwater (ug/L) | key | MCL (ug/L) | Risk-based SSL (mg/kg) | key | MCL-based SSL (mg/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3.9E+00 | E | 1.1E-03 | E | 2.3E-05 | E | 1.3E-03 | E | V | | 1 | 0.14 | | ~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189) | 39635-31-9 | 1.3E-01 | c* | 5.2E-01 | c* | 2.5E-03 | c | 1.1E-02 | c | 4.0E-03 | c | | 2.9E-03 | c | |
| 3.9E+00 | E | 1.1E-03 | E | 2.3E-05 | E | 1.3E-03 | E | V | | 1 | 0.14 | | ~Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167) | 52663-72-6 | 1.2E-01 | c* | 5.1E-01 | c* | 2.8E-03 | c | 1.1E-02 | c | 4.0E-03 | c | | 1.7E-03 | c | |
| 3.9E+00 | E | 1.1E-03 | E | 2.3E-05 | E | 1.3E-03 | E | V | | 1 | 0.14 | | ~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157) | 69782-90-7 | 1.2E-01 | c* | 5.0E-01 | c* | 2.5E-03 | c | 1.1E-02 | c | 4.0E-03 | c | | 1.7E-03 | c | |
| 3.9E+00 | E | 1.1E-03 | E | 2.3E-05 | E | 1.3E-03 | E | V | | 1 | 0.14 | | ~Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156) | 38380-08-4 | 1.2E-01 | c* | 5.0E-01 | c* | 2.8E-03 | c | 1.1E-02 | c | 4.0E-03 | c | | 1.7E-03 | c | |
| 3.9E+03 | E | 1.1E+00 | E | 2.3E-08 | E | 1.3E-06 | E | V | | 1 | 0.14 | | ~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169) | 32774-16-6 | 1.2E-04 | c* | 5.1E-04 | c* | 2.5E-06 | c | 1.1E-05 | c | 4.0E-06 | c | | 1.7E-06 | c | |
| 3.9E+00 | E | 1.1E-03 | E | 2.3E-05 | E | 1.3E-03 | E | V | | 1 | 0.14 | | ~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123) | 65510-44-3 | 1.2E-01 | c* | 4.9E-01 | c* | 2.5E-03 | c | 1.1E-02 | c | 4.0E-03 | c | | 1.0E-03 | c | |
| 3.9E+00 | E | 1.1E-03 | E | 2.3E-05 | E | 1.3E-03 | E | V | | 1 | 0.14 | | ~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118) | 31508-00-6 | 1.2E-01 | c* | 4.9E-01 | c* | 2.5E-03 | c | 1.1E-02 | c | 4.0E-03 | c | | 1.0E-03 | c | |
| 3.9E+00 | E | 1.1E-03 | E | 2.3E-05 | E | 1.3E-03 | E | V | | 1 | 0.14 | | ~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105) | 32598-14-4 | 1.2E-01 | c* | 4.9E-01 | c* | 2.5E-03 | c | 1.1E-02 | c | 4.0E-03 | c | | 1.0E-03 | c | |
| 3.9E+00 | E | 1.1E-03 | E | 2.3E-05 | E | 1.3E-03 | E | V | | 1 | 0.14 | | ~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114) | 74472-37-0 | 1.2E-01 | c* | 5.0E-01 | c* | 2.5E-03 | c | 1.1E-02 | c | 4.0E-03 | c | | 1.0E-03 | c | |
| 1.3E+04 | E | 3.8E+00 | E | 7.0E-09 | E | 4.0E-07 | E | V | | 1 | 0.14 | | ~Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126) | 57465-28-8 | 3.6E-05 | c* | 1.5E-04 | c* | 7.4E-07 | c | 3.2E-06 | c | 1.2E-06 | c | | 3.0E-07 | c | |
| 2.0E+00 | I | 5.7E-04 | I | | | | | V | | 1 | 0.14 | | ~Polychlorinated Biphenyls (high risk) | 1336-36-3 | 2.3E-01 | c | 9.4E-01 | c | 4.9E-03 | c | 2.1E-02 | c | | | | | | |
| 4.0E-01 | I | 1.0E-04 | I | | | | | V | | 1 | 0.14 | | ~Polychlorinated Biphenyls (low risk) | 1336-36-3 | | | | | 2.8E-02 | c | 1.2E-01 | c | 4.4E-02 | c | 5.0E-01 | 9.4E-03 | c | 7.8E-02 |
| 7.0E-02 | I | 2.0E-05 | I | | | | | V | | 1 | 0.14 | | ~Polychlorinated Biphenyls (lowest risk) | 1336-36-3 | | | | | 1.4E-01 | c | 6.1E-01 | c | | | | | | |
| 1.3E+01 | E | 3.8E-03 | E | 7.0E-06 | E | 4.0E-04 | E | | | 1 | 0.14 | | ~Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77) | 32598-13-3 | 3.8E-02 | c* | 1.6E-01 | c* | 7.4E-04 | c | 3.2E-03 | c | 5.0E-03 | c* | | 9.4E-04 | c* | |
| 3.9E+01 | E | 1.1E-02 | E | 2.3E-06 | E | 1.3E-04 | E | V | | 1 | 0.14 | | ~Tetrachlorobiphenyl, 3,4,4',5- (PCB 81) | 70362-50-4 | 1.2E-02 | c* | 4.4E-02 | c* | 2.5E-04 | c | 1.1E-03 | c | 4.0E-04 | c | | 6.2E-05 | c | |
| | | | | | | 6.0E-04 | I | | | 1 | 0.1 | | Polymeric Methylene Diphenyl Diisocyanate (PMDI) | 9016-87-9 | 8.5E+05 | nm | 3.6E+06 | nm | 6.3E-01 | n | 2.6E+00 | n | | | | | | |
| | | | | | | | | | | | | | Polynuclear Aromatic Hydrocarbons (PAHs) | | | | | | | | | | | | | | | |
| | | | | 6.0E-02 | I | | | V | | 1 | 0.13 | | ~Acenaphthene | 83-32-9 | 3.6E+03 | n | 4.5E+04 | n | | | | | 5.3E+02 | n | | 5.5E+00 | n | |
| | | | | 3.0E-01 | I | | | V | | 1 | 0.13 | | ~Anthracene | 120-12-7 | 1.8E+04 | n | 2.3E+05 | nm | | | | | 1.8E+03 | n | | 5.8E+01 | n | |
| 7.3E-01 | E | 1.1E-04 | C | | | | | V | M | 1 | 0.13 | | ~Benz[a]anthracene | 56-55-3 | 1.6E-01 | c | 2.9E+00 | c | 9.2E-03 | c | 1.1E-01 | c | 1.2E-02 | c | | 4.2E-03 | c | |
| 1.2E+00 | C | 1.1E-04 | C | | | | | | | 1 | 0.13 | | ~Benzo(j)fluoranthene | 205-82-3 | 4.2E-01 | c | 1.8E+00 | c | 2.6E-02 | c | 1.1E-01 | c | 6.5E-02 | c | | 7.6E-02 | c | |
| 7.3E+00 | I | 1.1E-03 | C | | | | | | M | 1 | 0.13 | | ~Benzo[a]pyrene | 50-32-8 | 1.6E-02 | c | 2.9E-01 | c | 9.2E-04 | c | 1.1E-02 | c | 3.4E-03 | c | 2.0E-01 | 4.0E-03 | c | 2.4E-01 |
| 7.3E-01 | E | 1.1E-04 | C | | | | | | M | 1 | 0.13 | | ~Benzo[b]fluoranthene | 205-99-2 | 1.6E-01 | c | 2.9E+00 | c | 9.2E-03 | c | 1.1E-01 | c | 3.4E-02 | c | | 4.1E-02 | c | |
| 7.3E-02 | E | 1.1E-04 | C | | | | | | M | 1 | 0.13 | | ~Benzo[k]fluoranthene | 207-08-9 | 1.6E+00 | c | 2.9E+01 | c | 9.2E-03 | c | 1.1E-01 | c | 3.4E-01 | c | | 4.0E-01 | c | |
| | | | | 8.0E-02 | I | | | V | | 1 | 0.13 | | ~Chloronaphthalene, Beta- | 91-58-7 | 4.8E+03 | n | 6.0E+04 | n | | | | | 7.5E+02 | n | | 3.9E+00 | n | |
| 7.3E-03 | E | 1.1E-05 | C | | | | | | M | 1 | 0.13 | | ~Chrysene | 218-01-9 | 1.6E+01 | c | 2.9E+02 | c | 9.2E-02 | c | 1.1E+00 | c | 3.4E+00 | c | | 1.2E+00 | c | |
| 7.3E+00 | E | 1.2E-03 | C | | | | | | M | 1 | 0.13 | | ~Dibenz[a,h]anthracene | 53-70-3 | 1.6E-02 | c | 2.9E-01 | c | 8.4E-04 | c | 1.0E-02 | c | 3.4E-03 | c | | 1.3E-02 | c | |
| 1.2E+01 | C | 1.1E-03 | C | | | | | | | 1 | 0.13 | | ~Dibenzo(a,e)pyrene | 192-65-4 | 4.2E-02 | c | 1.8E-01 | c | 2.6E-03 | c | 1.1E-02 | c | 6.5E-03 | c | | 8.4E-02 | c | |
| 2.5E+02 | C | 7.1E-02 | C | | | | | | M | 1 | 0.13 | | ~Dimethylbenz(a)anthracene, 7,12- | 57-97-6 | 4.6E-04 | c | 8.4E-03 | c | 1.4E-05 | c | 1.7E-04 | c | 1.0E-04 | c | | 9.9E-05 | c | |
| | | | | 4.0E-02 | I | | | | | 1 | 0.13 | | ~Fluoranthene | 206-44-0 | 2.4E+03 | n | 3.0E+04 | n | | | | | 8.0E+02 | n | | 8.9E+01 | n | |
| | | | | 4.0E-02 | I | | | V | | 1 | 0.13 | | ~Fluorene | 86-73-7 | 2.4E+03 | n | 3.0E+04 | n | | | | | 2.9E+02 | n | | 5.4E+00 | n | |
| 7.3E-01 | E | 1.1E-04 | C | | | | | | M | 1 | 0.13 | | ~Indeno[1,2,3-cd]pyrene | 193-39-5 | 1.6E-01 | c | 2.9E+00 | c | 9.2E-03 | c | 1.1E-01 | c | 3.4E-02 | c | | 1.3E-01 | c | |
| 2.9E-02 | P | | | 7.0E-02 | A | | | V | | 1 | 0.13 | 3.9E+02 | ~Methylnaphthalene, 1- | 90-12-0 | 1.8E+01 | c | 7.3E+01 | c | | | | | 1.1E+00 | c | | 6.0E-03 | c | |
| | | | | 4.0E-03 | I | | | V | | 1 | 0.13 | | ~Methylnaphthalene, 2- | 91-57-6 | 2.4E+02 | n | 3.0E+03 | n | | | | | 3.6E+01 | n | | 1.9E-01 | n | |
| | | 3.4E-05 | C | 2.0E-02 | I | 3.0E-03 | I | V | | 1 | 0.13 | | ~Naphthalene | 91-20-3 | 3.8E+00 | c* | 1.7E+01 | c* | 8.3E-02 | c* | 3.6E-01 | c* | 1.7E-01 | c* | | 5.4E-04 | c* | |
| 1.2E+00 | C | 1.1E-04 | C | | | | | | | 1 | 0.13 | | ~Nitropyrene, 4- | 57835-92-4 | 4.2E-01 | c | 1.6E+00 | c | 2.6E-02 | c | 1.1E-01 | c | 1.9E-02 | c | | 3.3E-03 | c | |
| | | | | 3.0E-02 | I | | | V | | 1 | 0.13 | | ~Pyrene | 129-00-0 | 1.8E+03 | n | 2.3E+04 | n | | | | | 1.2E+02 | n | | 1.3E+01 | n | |
| | | | | 2.0E-02 | P | | | | | 1 | 0.1 | | Potassium Perfluorobutane Sulfonate | 29420-49-3 | 1.3E+03 | n | 1.6E+04 | n | | | | | 4.0E+02 | n | | 2.2E-01 | n | |
| 1.5E-01 | I | | | 9.0E-03 | I | | | | | 1 | 0.1 | | Prochloraz | 67747-09-5 | 3.6E+00 | c | 1.5E+01 | c | | | | | 3.8E-01 | c | | 1.9E-03 | c | |
| | | | | 6.0E-03 | H | | | V | | 1 | | | Profluralin | 26399-36-0 | 4.7E+02 | n | 7.0E+03 | n | | | | | 2.6E+01 | n | | 1.6E+00 | n | |
| | | | | 1.5E-02 | I | | | | | 1 | 0.1 | | Prometon | 1610-18-0 | 9.5E+02 | n | 1.2E+04 | n | | | | | 2.5E+02 | n | | 1.2E-01 | n | |
| | | | | 4.0E-03 | I | | | | | 1 | 0.1 | | Prometryn | 7287-19-6 | 2.5E+02 | n | 3.3E+03 | n | | | | | 6.0E+01 | n | | 9.0E-02 | n | |
| | | | | 1.3E-02 | I | | | | | 1 | 0.1 | | Propachlor | 1918-16-7 | 8.2E+02 | n | 1.1E+04 | n | | | | | 2.5E+02 | n | | 1.5E-01 | n | |
| | | | | 5.0E-03 | I | | | | | 1 | 0.1 | | Propanil | 709-98-8 | 3.2E+02 | n | 4.1E+03 | n | | | | | 8.2E+01 | n | | 4.5E-02 | n | |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | Propargite | 2312-35-8 | 1.3E+03 | n | 1.6E+04 | n | | | | | 1.6E+02 | n | | 1.2E+01 | n | |
| | | | | 2.0E-03 | I | | | V | | 1 | | 1.1E+05 | Propargyl Alcohol | 107-19-7 | 1.6E+02 | n | 2.3E+03 | n | | | | | 4.0E+01 | n | | 8.1E-03 | n | |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | Propazine | 139-40-2 | 1.3E+03 | n | 1.6E+04 | n | | | | | 3.4E+02 | n | | 3.0E-01 | n | |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | Propham | 122-42-9 | 1.3E+03 | n | 1.6E+04 | n | | | | | 3.6E+02 | n | | 3.2E-01 | n | |
| | | | | 1.3E-02 | I | | | | | 1 | 0.1 | | Propiconazole | 60207-90-1 | 8.2E+02 | n | 1.1E+04 | n | | | | | 2.1E+02 | n | | 8.9E-01 | n | |
| | | | | | | 8.0E-03 | I | V | | 1 | | 3.3E+04 | Propionaldehyde | 123-38-6 | 7.5E+01 | n | 3.1E+02 | n | 8.3E+00 | n | 3.5E+01 | n | 1.7E+01 | n | | 3.4E-03 | n | |
| | | | | 1.0E-01 | X | 1.0E+00 | X | V | | 1 | | 2.6E+02 | Propyl benzene | 103-65-1 | 3.8E+03 | ns | 2.4E+04 | ns | 1.0E+03 | n | 4.4E+03 | n | 6.6E+02 | n | | 1.2E+00 | n | |
| | | | | | | 3.0E+00 | C | V | | 1 | | 3.6E+02 | Propylene | 115-07-1 | 2.2E+03 | ns | 9.3E+03 | ns | 3.1E+03 | n | 1.3E+04 | n | 6.3E+03 | n | | 6.0E+00 | n | |
| | | | | 2.0E+01 | P | | | | | 1 | 0.1 | | Propylene Glycol | 57-55-6 | 1.3E+06 | nm | 1.6E+07 | nm | | | | | 4.0E+05 | n | | 8.1E+01 | n | |
| | | | | | | 2.7E-04 | A | | | 1 | 0.1 | | Propylene Glycol Dinitrate | 6423-43-4 | 3.9E+05 | nm | 1.6E+06 | nm | 2.8E-01 | n | 1.2E+00 | n | | | | | | |
| | | | | 7.0E-01 | H | 2.0E+00 | I | V | | 1 | | 1.1E+05 | Propylene Glycol Monomethyl Ether | 107-98-2 | 4.1E+04 | n | 3.7E+05 | nms | 2.1E+03 | n | 8.8E+03 | n | 3.2E+03 | n | | 6.5E-01 | n | |
| 2.4E-01 | I | 3.7E-06 | I | | | 3.0E-02 | I | V | | 1 | | 7.8E+04 | Propylene Oxide | 75-56-9 | 2.1E+00 | c | 9.7E+00 | c | 7.6E-01 | c* | 3.3E+00 | c* | 2.7E-01 | c | | 5.4E-05 | c | |
| | | | | 7.5E-02 | I | | | | | 1 | 0.1 | | Propyzamide | 23950-58-5 | 4.7E+03 | n | 6.2E+04 | n | | | | | 1.2E+03 | n | | 1.2E+00 | n | |
| | | | | 1.0E-03 | I | | | V | | 1 | | 5.3E+05 | Pyridine | 110-86-1 | 7.8E+01 | n | 1.2E+03 | n | | | | | 2.0E+01 | n | | 6.8E-03 | n | |
| | | | | 5.0E-04 | I | | | | | 1 | 0.1 | | Quinalphos | 13593-03-8 | 3.2E+01 | n | 4.1E+02 | n | | | | | 5.1E+00 | n | | 4.3E-02 | n | |
| 3.0E+00 | I | | | | | | | | | 1 | 0.1 | | Quinoline | 91-22-5 | 1.8E-01 | c | 7.7E-01 | c | | | | | 2.4E-02 | c | | 7.6E-05 | c | |
| | | | | 9.0E-03 | I | | | | | 1 | 0.1 | | Quizalofop-ethyl | 76578-14-8 | 5.7E+02 | n | 7.4E+03 | n | | | | | 1.2E+02 | n | | 1.6E+00 | n | |
| | | | | | | 3.0E-02 | A | | | 1 | | | Refractory Ceramic Fibers | NA | 4.3E+07 | nm | 1.8E+08 | nm | 3.1E+01 | n | 1.3E+02 | n | | | | | | |
| | | | | 3.0E-02 | I | | | | | 1 | 0.1 | | Resmethrin | 10453-86-8 | 1.9E+03 | n | 2.5E+04 | n | | | | | 6.7E+01 | n | | 4.2E+01 | n | |
| | | | | 5.0E-02 | H | | | V | | 1 | | | Ronnel | 299-84-3 | 3.9E+03 | n | 5.8E+04 | n | | | | | 4.1E+02 | n | | 3.7E+00 | n | |
| | | | | 4.0E-03 | I | | | | | 1 | 0.1 | | Rotenone | 83-79-4 | 2.5E+02 | n | 3.3E+03 | n | | | | | 6.1E+01 | n | | 3.2E+01 | n | |
| 2.2E-01 | C | 6.3E-05 | C | | | | | | M | 1 | 0.1 | | Safrole | 94-59-7 | 5.5E-01 | c | 1.0E+01 | c | 1.6E-02 | c | 1.9E-01 | c | 9.6E-02 | c | | 5.9E-05 | c | |
| | | | | 5.0E-03 | I | | | | | 1 | | | Selenious Acid | 7783-00-8 | 3.9E+02 | n | 5.8E+03 | n | | | | | 1.0E+02 | n | | | n | |
| | | | | 5.0E-03 | I | 2.0E-02 | C | | | 1 | | | Selenium | 7782-49-2 | 3.9E+02 | n | 5.8E+03 | n | 2.1E+01 | n | 8.8E+01 | n | 1.0E+02 | n | 5.0E+01 | 5.2E-01 | n | 2.6E-01 |
| | | | | 5.0E-03 | C | 2.0E-02 | C | | | 1 | | | Selenium Sulfide | 7446-34-6 | 3.9E+02 | n | 5.8E+03 | n | 2.1E+01 | n | 8.8E+01 | n | 1.0E+02 | n | | | n | |
| | | | | 9.0E-02 | I | | | | | 1 | 0.1 | | Sethoxydim | 74051-80-2 | 5.7E+03 | n | 7.4E+04 | n | | | | | 1.0E+03 | n | | 9.3E+00 | n | |
| | | | | | | 3.0E-03 | C | | | 1 | | | Silica (crystalline, respirable) | 7631-86-9 | 4.3E+06 | nm | 1.8E+07 | nm | 3.1E+00 | n | 1.3E+01 | n | | | | | | |
| | | | | 5.0E-03 | I | | | | | 0.04 | | | Silver | 7440-22-4 | 3.9E+02 | n | 5.8E+03 | n | | | | | 9.4E+01 | n | | 8.0E-01 | n | |
| 1.2E-01 | H | | | 5.0E-03 | I | | | | | 1 | 0.1 | | Simazine | 122-34-9 | 4.5E+00 | c* | 1.9E+01 | c | | | | | 6.1E-01 | c | 4.0E+00 | 3.0E-04 | c | 2.0E-03 |
| | | | | 1.3E-02 | I | | | | | 1 | 0.1 | | Sodium Acifluorfen | 62476-59-9 | 8.2E+02 | n | 1.1E+04 | n | | | | | 2.6E+02 | n | | 2.1E+00 | n | |
| | | | | 4.0E-03 | I | | | | | 1 | | | Sodium Azide | 26628-22-8 | 3.1E+02 | n | 4.7E+03 | n | | | | | 8.0E+01 | n | | | n | |
| 5.0E-01 | C | 1.5E-01 | C | 2.0E-02 | C | 2.0E-04 | C | | M | 0.025 | | | Sodium Dichromate | 10588-01-9 | 3.0E-01 | c | 6.2E+00 | c | 6.8E-06 | c | 8.2E-05 | c | 4.1E-02 | c | | | c | |

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = APPENDIX PPRTV SCREEN (See FAQ #27); H = HEAST; F = See FAQ; J = New Jersey; O = EPA Office of Water; E = see user guide Section 2.3.5; L = see user guide on lead; M = mutagen; S = see user guide Section 5; V = volatile; R = RBA applied (See User Guide for Arsenic notice); c = cancer; n = noncancer; * = where n SL < 100X c SL; ** = where n SL < 10X c SL; SSL values are based on DAF=1; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide)

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | | | | Contaminant | | Screening Levels | | | | | | | | | | | | Protection of Ground Water SSLs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | k e y | IUR (ug/m$^3$)$^{-1}$ | k e y | $RfD_o$ (mg/kg-day) | k e y | $RfC_i$ (mg/m$^3$) | k e y | mutagen | GIABS | ABS | $C_{sat}$ (mg/kg) | Analyte | CAS No. | Resident Soil (mg/kg) | key | Industrial Soil (mg/kg) | key | Resident Air (ug/m$^3$) | key | Industrial Air (ug/m$^3$) | key | Tapwater (ug/L) | key | MCL (ug/L) | risk-based SSL (mg/kg) | key | MCL-based SSL (mg/kg) |
| 2.7E-01 | H | | | 3.0E-02 | I | | | | 1 | 0.1 | | Sodium Diethyldithiocarbamate | 148-18-5 | 2.0E+00 | c | 6.5E+00 | c | | | | | 2.9E-01 | c | | 1.8E-04 | c | |
| | | | | 5.0E-02 | A | 1.3E-02 | C | | 1 | | | Sodium Fluoride | 7681-49-4 | 3.9E+03 | n | 5.6E+04 | n | 1.4E+01 | n | 5.7E+01 | n | 1.0E+03 | n | | | n | |
| | | | | 2.0E-05 | I | | | | 1 | 0.1 | | Sodium Fluoroacetate | 62-74-8 | 1.3E+00 | n | 1.8E+01 | n | | | | | 4.0E-01 | n | | 8.1E-05 | n | |
| | | | | 1.0E-03 | H | | | | 1 | | | Sodium Metavanadate | 13718-26-8 | 7.8E+01 | n | 1.2E+03 | n | | | | | 2.0E+01 | n | | | n | |
| | | | | 8.0E-04 | P | | | | 1 | | | Sodium Tungstate | 13472-45-2 | 6.3E+01 | n | 9.3E+02 | n | | | | | 1.6E+01 | n | | | n | |
| | | | | 8.0E-04 | P | | | | 1 | | | Sodium Tungstate Dihydrate | 10213-10-2 | 6.3E+01 | n | 9.3E+02 | n | | | | | 1.6E+01 | n | | | n | |
| 2.4E-02 | H | | | 3.0E-02 | I | | | | 1 | 0.1 | | Stirofos (Tetrachlorvinphos) | 961-11-5 | 2.3E+01 | c* | 9.6E+01 | c | | | | | 2.8E+00 | c | | 8.2E-03 | c | |
| 6.0E-01 | C | 1.5E-01 | C | 2.0E-02 | C | 2.0E-04 | C | M | 0.026 | | | Strontium Chromate | 7789-06-2 | 3.0E-01 | c | 5.2E+03 | c | 6.8E-06 | c | 8.3E-06 | c | 4.1E-02 | c | | | c | |
| | | | | 6.0E-01 | I | | | | 1 | | | Strontium, Stable | 7440-24-6 | 4.7E+04 | n | 7.0E+05 | nm | | | | | 1.2E+04 | n | | 4.2E+03 | n | |
| | | | | 3.0E-04 | I | | | | 1 | 0.1 | | Strychnine | 57-24-9 | 1.9E+01 | n | 2.5E+02 | n | | | | | 5.0E+00 | n | | 8.5E-02 | n | |
| | | | | 2.0E-01 | I | 1.0E+00 | I | V | 1 | | 8.7E+02 | Styrene | 100-42-5 | 6.0E+03 | nx | 3.5E+04 | nx | 1.0E+03 | n | 4.4E+03 | n | 1.2E+03 | n | 1.0E+02 | 1.3E+00 | n | 1.1E-01 |
| | | | | 3.0E-03 | P | | | | 1 | 0.1 | | Styrene-Acrylonitrile (SAN) Trimer | NA | 1.9E+02 | n | 2.5E+03 | n | | | | | 4.8E+01 | n | | | n | |
| | | | | 1.0E-03 | P | 2.0E-03 | X | | 1 | 0.1 | | Sulfolane | 126-33-0 | 6.3E+01 | n | 8.2E+02 | n | 2.1E+00 | n | 8.8E+00 | n | 2.0E+01 | n | | 4.4E-03 | n | |
| | | | | 8.0E-04 | P | | | | 1 | 0.1 | | Sulfonylbis(4-chlorobenzene), 1,1'- | 80-07-9 | 5.1E+01 | n | 6.6E+02 | n | | | | | 1.1E+01 | n | | 6.1E-02 | n | |
| | | | | | | 1.0E-03 | C | V | 1 | | | Sulfur Trioxide | 7446-11-9 | 1.4E+06 | nm | 6.0E+06 | nm | 1.0E+00 | n | 4.4E+00 | n | 2.1E+00 | n | | | n | |
| | | | | | | 1.0E-03 | C | | 1 | | | Sulfuric Acid | 7664-93-9 | 1.4E+06 | nm | 6.0E+06 | nm | 1.0E+00 | n | 4.4E+00 | n | | | | | | |
| 2.5E-02 | I | 7.1E-06 | I | 5.0E-02 | H | | | | 1 | 0.1 | | Sulfurous acid, 2-chloroethyl 2-(4-(1,1-dimethylethyl)phenoxy)-1-methylethyl ester | 140-57-8 | 2.2E+01 | c | 9.2E+01 | c | 4.0E-01 | c | 1.7E+00 | c | 1.3E+00 | c | | 1.5E-02 | c | |
| | | | | 3.0E-02 | H | | | | 1 | 0.1 | | TCMTB | 21564-17-0 | 1.9E+03 | n | 2.5E+04 | n | | | | | 4.8E+02 | n | | 3.3E+00 | n | |
| | | | | 7.0E-02 | I | | | | 1 | 0.1 | | Tebuthiuron | 34014-18-1 | 4.4E+03 | n | 5.7E+04 | n | | | | | 1.4E+03 | n | | 3.9E-01 | n | |
| | | | | 2.0E-02 | H | | | | 1 | 0.1 | | Temephos | 3383-96-8 | 1.3E+03 | n | 1.6E+04 | n | | | | | 4.0E+02 | n | | 7.6E+01 | n | |
| | | | | 1.3E-02 | I | | | | 1 | 0.1 | | Terbacil | 5902-51-2 | 8.2E+02 | n | 1.1E+04 | n | | | | | 2.5E+02 | n | | 7.5E-02 | n | |
| | | | | 2.5E-05 | H | | | V | 1 | | 3.1E+01 | Terbufos | 13071-79-9 | 2.0E+00 | n | 2.5E+01 | n | | | | | 2.4E-01 | n | | 5.2E-04 | n | |
| | | | | 1.0E-03 | I | | | | 1 | 0.1 | | Terbutryn | 886-50-0 | 6.3E+01 | n | 8.2E+02 | n | | | | | 1.3E+01 | n | | 1.9E-02 | n | |
| | | | | 1.0E-04 | I | | | | 1 | 0.1 | | Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47) | 5436-43-1 | 6.3E+00 | n | 8.2E+01 | n | | | | | 2.0E+00 | n | | 5.3E-02 | n | |
| | | | | 3.0E-04 | I | | | V | 1 | | | Tetrachlorobenzene, 1,2,4,5- | 95-94-3 | 2.3E+01 | n | 3.0E+02 | n | | | | | 1.7E+00 | n | | 7.3E-03 | n | |
| 2.6E-02 | I | 7.4E-06 | I | 3.0E-02 | I | | | V | 1 | | 6.8E+02 | Tetrachloroethane, 1,1,1,2- | 630-20-6 | 2.0E+00 | c | 8.6E+00 | c | 3.8E-01 | c | 1.7E+00 | c | 5.7E-01 | c | | 2.2E-04 | c | |
| 2.0E-01 | I | 5.8E-05 | C | 2.0E-02 | I | | | V | 1 | | 1.9E+03 | Tetrachloroethane, 1,1,2,2- | 79-34-5 | 6.0E-01 | c | 2.7E+00 | c | 4.8E-02 | c | 2.1E-01 | c | 7.6E-02 | c | | 3.0E-05 | c | |
| 2.1E-03 | I | 5.8E-07 | I | 6.0E-03 | I | 4.0E-02 | I | V | 1 | | 1.7E+02 | Tetrachloroethylene | 127-18-4 | 2.4E+01 | c** | 1.0E+02 | c** | 1.1E+01 | c** | 4.7E+01 | c** | 1.1E+01 | c** | 5.0E+00 | 5.1E-03 | c** | 2.3E-03 |
| | | | | 3.0E-02 | I | | | | 1 | 0.1 | | Tetrachlorophenol, 2,3,4,6- | 58-90-2 | 1.9E+03 | n | 2.5E+04 | n | | | | | 2.4E+02 | n | | 1.8E-01 | n | |
| 2.0E+01 | H | | | | | | | V | 1 | | | Tetrachlorotoluene, p- alpha, alpha, alpha- | 5216-25-1 | 3.6E-02 | c | 1.6E-01 | c | | | | | 1.3E-03 | c | | 4.5E-06 | c | |
| | | | | 5.0E-04 | I | | | | 1 | 0.1 | | Tetraethyl Dithiopyrophosphate | 3689-24-5 | 3.2E+01 | n | 4.1E+02 | n | | | | | 7.1E+00 | n | | 5.2E-03 | n | |
| | | | | | | 8.0E+01 | I | V | 1 | | 2.1E+03 | Tetrafluoroethane, 1,1,1,2- | 811-97-2 | 1.0E+05 | nms | 4.3E+05 | nms | 8.3E+04 | n | 3.6E+05 | n | 1.7E+05 | n | | 9.3E+01 | n | |
| | | | | 2.0E-03 | P | | | | 1 | 7E-04 | | Tetryl (Trinitrophenylmethylnitramine) | 479-45-8 | 1.6E+02 | n | 2.3E+03 | n | | | | | 3.9E+01 | n | | 3.7E-01 | n | |
| | | | | 2.0E-05 | S | | | | 1 | | | Thallic Oxide | 1314-32-5 | 1.8E+00 | n | 2.3E+01 | n | | | | | 4.0E-01 | n | | | n | |
| | | | | 1.0E-05 | X | | | | 1 | | | Thallium (I) Nitrate | 10102-45-1 | 7.8E-01 | n | 1.2E+01 | n | | | | | 2.0E-01 | n | | | n | |
| | | | | 1.0E-05 | X | | | | 1 | | | Thallium (Soluble Salts) | 7440-28-0 | 7.8E-01 | n | 1.2E+01 | n | | | | | 2.0E-01 | n | 2.0E+00 | 1.4E-02 | n | 1.4E-01 |
| | | | | 1.0E-05 | X | | | V | 1 | | | Thallium Acetate | 563-68-8 | 7.8E-01 | n | 1.2E+01 | n | | | | | 2.0E-01 | n | | 8.1E-05 | n | |
| | | | | 2.0E-05 | X | | | V | 1 | | | Thallium Carbonate | 6533-73-9 | 1.6E+00 | n | 2.3E+01 | n | | | | | 4.0E-01 | n | | 8.3E-05 | n | |
| | | | | 1.0E-05 | X | | | | 1 | | | Thallium Chloride | 7791-12-0 | 7.8E-01 | n | 1.2E+01 | n | | | | | 2.0E-01 | n | | | n | |
| | | | | 1.0E-05 | S | | | | 1 | | | Thallium Selenite | 12039-52-0 | 7.8E-01 | n | 1.2E+01 | n | | | | | 2.0E-01 | n | | | n | |
| | | | | 2.0E-05 | X | | | | 1 | | | Thallium Sulfate | 7446-18-6 | 1.6E+00 | n | 2.3E+01 | n | | | | | 4.0E-01 | n | | | n | |
| | | | | 1.3E-02 | I | | | | 1 | 0.1 | | Thifensulfuron-methyl | 79277-27-3 | 8.2E+02 | n | 1.1E+04 | n | | | | | 2.8E+02 | n | | 7.8E-02 | n | |
| | | | | 1.0E-02 | I | | | | 1 | 0.1 | | Thiobencarb | 28249-77-6 | 6.3E+02 | n | 8.2E+03 | n | | | | | 1.6E+02 | n | | 5.9E-01 | n | |
| | | | | 7.0E-02 | X | | | | 1 | 0.008 | | Thiodiglycol | 111-48-8 | 5.4E+03 | n | 7.9E+04 | n | | | | | 1.4E+03 | n | | 2.8E-01 | n | |
| | | | | 3.0E-04 | H | | | | 1 | 0.1 | | Thiofanox | 39196-18-4 | 1.9E+01 | n | 2.5E+02 | n | | | | | 5.3E+00 | n | | 1.8E-05 | n | |
| | | | | 8.0E-02 | I | | | | 1 | 0.1 | | Thiophanate, Methyl | 23564-05-8 | 5.1E+03 | n | 6.6E+04 | n | | | | | 1.8E+03 | n | | 1.4E+00 | n | |
| | | | | 5.0E-02 | I | | | | 1 | 0.1 | | Thiram | 137-26-8 | 3.2E+02 | n | 4.1E+03 | n | | | | | 9.8E+01 | n | | 1.4E-01 | n | |
| | | | | 6.0E-01 | H | | | | 1 | | | Tin | 7440-31-5 | 4.7E+04 | n | 7.0E+05 | nm | | | | | 1.2E+04 | n | | 3.0E+03 | n | |
| | | | | | | 1.0E-04 | A | V | 1 | | | Titanium Tetrachloride | 7550-45-0 | 1.4E+05 | nm | 6.0E+05 | nm | 1.0E-01 | n | 4.4E-01 | n | 2.1E-01 | n | | | n | |
| | | | | 6.0E-02 | I | 9.0E+00 | I | V | 1 | | 8.2E+02 | Toluene | 108-88-3 | 4.9E+03 | nx | 4.7E+04 | nx | 5.2E+03 | n | 2.2E+04 | n | 1.1E+03 | n | 1.0E+03 | 7.6E-01 | n | 6.9E-01 |
| | | 1.1E-05 | C | | | 8.0E-06 | C | V | 1 | | | Toluene-2,4-diisocyanate | 584-84-9 | 6.4E+00 | n | 2.7E+01 | n | 8.3E-03 | n | 3.5E-02 | n | 1.7E-02 | n | | 2.5E-04 | n | |
| 1.8E-01 | X | | | 2.0E-04 | X | | | | 1 | 0.1 | | Toluene-2,5-diamine | 95-70-5 | 3.0E+00 | c** | 1.2E+01 | c* | | | | | 4.3E-01 | c** | | 1.3E-04 | c** | |
| | | 1.1E-05 | C | | | 8.0E-06 | C | V | 1 | | 1.7E+03 | Toluene-2,6-diisocyanate | 91-08-7 | 5.3E+00 | n | 2.2E+01 | n | 8.3E-03 | n | 3.5E-02 | n | 1.7E-02 | n | | 2.6E-04 | n | |
| 1.6E-02 | P | 9.1E-05 | C | | | | | | 1 | 0.1 | | Toluidine, o- (Methylaniline, 2-) | 95-53-4 | 3.4E+01 | c | 1.4E+02 | c | 5.6E-02 | c | 2.4E-01 | c | 4.7E+00 | c | | 2.0E-03 | c | |
| 3.0E-02 | P | | | 4.0E-03 | X | | | | 1 | 0.1 | | Toluidine, p- | 106-49-0 | 1.6E+01 | c* | 7.1E+01 | c* | | | | | 2.5E+00 | c* | | 1.1E-03 | c* | |
| | | | | 3.0E+00 | P | | | V | 1 | | 3.4E-01 | Total Petroleum Hydrocarbons (Aliphatic High) | NA | 2.3E+05 | nms | 3.5E+06 | nms | | | | | 6.0E+04 | n | | 2.4E+03 | n | |
| | | | | | | 6.0E-01 | P | V | 1 | | 1.4E+02 | Total Petroleum Hydrocarbons (Aliphatic Low) | NA | 5.2E+02 | ns | 2.2E+03 | ns | 6.3E+02 | n | 2.6E+03 | n | 1.3E+03 | n | | 8.1E+00 | n | |
| | | | | 1.0E-02 | X | 1.0E-01 | P | V | 1 | | 8.9E+00 | Total Petroleum Hydrocarbons (Aliphatic Medium) | NA | 5.0E+01 | ns | 4.4E+02 | ns | 1.0E+02 | n | 4.4E+02 | n | 1.0E+02 | n | | 1.5E+00 | n | |
| | | | | 4.0E-02 | P | | | | 1 | 0.1 | | Total Petroleum Hydrocarbons (Aromatic High) | NA | 2.5E+03 | n | 3.3E+04 | n | | | | | 8.0E+02 | n | | 8.9E+01 | n | |
| | | | | 4.0E-03 | P | 3.0E-02 | P | V | 1 | | 1.8E+03 | Total Petroleum Hydrocarbons (Aromatic Low) | NA | 6.2E+01 | n | 4.2E+02 | n | 3.1E+01 | n | 1.3E+02 | n | 3.3E+01 | n | | 1.7E-02 | n | |
| | | | | 4.0E-03 | P | 3.0E-03 | P | V | 1 | | | Total Petroleum Hydrocarbons (Aromatic Medium) | NA | 1.1E+02 | n | 6.0E+02 | n | 3.1E+00 | n | 1.3E+01 | n | 5.2E+00 | n | | 2.3E-02 | n | |
| 1.1E+00 | I | 3.2E-04 | I | | | | | | 1 | 0.1 | | Toxaphene | 8001-35-2 | 4.9E-01 | c | 2.1E+00 | c | 3.8E-03 | c | 3.8E-02 | c | 7.1E-02 | c | 3.0E+00 | 1.1E-02 | c | 4.0E-01 |
| | | | | 7.5E-03 | I | | | | 1 | 0.1 | | Trabromethrin | 60041-25-8 | 4.7E+02 | n | 6.2E+03 | n | | | | | 1.5E+02 | n | | 5.8E+01 | n | |
| | | | | 3.0E-04 | A | | | V | 1 | | | Tri-n-butyltin | 688-73-3 | 2.3E+01 | n | 3.5E+02 | n | | | | | 3.7E+00 | n | | 4.2E-02 | n | |
| | | | | 6.0E+01 | X | | | | 1 | 0.1 | | Triacetin | 102-76-1 | 5.1E+06 | ns | 6.6E+07 | nm | | | | | 1.6E+06 | n | | 4.5E+02 | n | |
| | | | | 3.0E-02 | I | | | | 1 | 0.1 | | Triadimefon | 43121-43-3 | 1.9E+03 | n | 2.5E+04 | n | | | | | 5.5E+02 | n | | 4.4E-01 | n | |
| | | | | 1.3E-02 | I | | | V | 1 | | | Triallate | 2303-17-5 | 1.0E+03 | n | 1.5E+04 | n | | | | | 1.2E+02 | n | | 2.8E-01 | n | |
| | | | | 1.0E-02 | I | | | | 1 | 0.1 | | Triasulfuron | 82097-50-5 | 6.3E+02 | n | 8.2E+03 | n | | | | | 2.0E+02 | n | | 2.1E-01 | n | |
| | | | | 8.0E-03 | I | | | | 1 | 0.1 | | Tribenuron-methyl | 101200-48-0 | 5.1E+02 | n | 6.6E+03 | n | | | | | 1.6E+02 | n | | 6.1E-02 | n | |
| | | | | 5.0E-03 | I | | | V | 1 | | | Tribromobenzene, 1,2,4- | 615-54-3 | 3.9E+02 | n | 5.8E+03 | n | | | | | 4.5E+01 | n | | 6.4E-02 | n | |
| 9.0E-03 | P | | | 1.0E-02 | P | | | | 1 | 0.1 | | Tributyl Phosphate | 126-73-8 | 6.0E+01 | c* | 2.8E+02 | c* | | | | | 5.2E+00 | c* | | 2.5E-02 | c* | |
| | | | | 3.0E-04 | P | | | | 1 | 0.1 | | Tributyltin Compounds | NA | 1.9E+01 | n | 2.5E+02 | n | | | | | 6.0E+00 | n | | | n | |
| | | | | 3.0E-04 | I | | | | 1 | 0.1 | | Tributyltin Oxide | 56-35-9 | 1.9E+01 | n | 2.5E+02 | n | | | | | 3.7E+00 | n | | 2.9E-02 | n | |
| | | | | 3.0E+01 | I | 3.0E+01 | H | V | 1 | | 9.1E+02 | Trichloro-1,2,2-trifluoroethane, 1,1,2- | 76-13-1 | 4.0E+04 | ns | 1.7E+05 | nms | 3.1E+04 | n | 1.3E+05 | n | 5.5E+04 | n | | 1.4E+02 | n | |
| 7.0E-02 | I | | | 2.0E-02 | I | | | | 1 | 0.1 | | Trichloroacetic Acid | 76-03-9 | 7.8E+00 | c | 3.3E+01 | c | | | | | 1.1E+00 | c | 6.0E+01 | 2.2E-04 | c | 1.0E-02 |
| 2.9E-02 | H | | | | | | | | 1 | 0.1 | | Trichloroaniline HCl, 2,4,6- | 33663-50-2 | 1.8E+01 | c | 7.9E+01 | c | | | | | 2.7E+00 | c | | 7.4E-03 | c | |

TR=1E-6
HQ=1.0

Key: I = IRIS, P = PPRTV, A = ATSDR, C = Cal EPA, X = APPENDIX PPRTV SCREEN (See FAQ #27), H = HEAST, F = See FAQ, J = New Jersey, O = EPA Office of Water, E = see user guide Section 2.3.5, L = see user guide on lead, M = mutagen, S = see user guide Section 5, V = volatile, R = RBA applied (See User Guide for Arsenic notice), c = cancer, n = noncancer, * = where: n SL < 100X c SL, ** = where n SL < 10X c SL; SSL values are based on DAF=1, m = Concentration may exceed ceiling limit (See User Guide), s = Concentration may exceed Csat (See User Guide)

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | | Contaminant | | Screening Levels | | | | | | | | | | | | Protection of Ground Water SSLs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | key | IUR (ug/m$^3$)$^{-1}$ | key | $RfD_o$ (mg/kg-day) | key | $RfC_i$ (mg/m$^3$) | key | mutagen | GIABS | ABS | $C_{sat}$ (mg/kg) | Analyte | CAS No. | Resident Soil (mg/kg) | key | Industrial Soil (mg/kg) | key | Resident Air (ug/m$^3$) | key | Industrial Air (ug/m$^3$) | key | Tapwater (ug/L) | key | MCL (ug/L) | Risk-based SSL (mg/kg) | key | MCL-based SSL (mg/kg) |
| 7.0E-03 | X | | | 3.0E-05 | X | | | | 1 | 0.1 | | Trichloroaniline, 2,4,6- | 634-93-5 | 1.9E+00 | n | 2.5E+01 | n | | | | | 4.0E-01 | n | | 3.6E-03 | n | | |
| | | | | 8.0E-04 | X | | | V | 1 | | | Trichlorobenzene, 1,2,3- | 87-61-6 | 6.3E+01 | n | 8.3E+02 | n | | | | | 7.0E+00 | n | | 2.1E-02 | n | | |
| 2.9E-02 | P | | | 1.0E-02 | I | 2.0E-03 | P | V | 1 | | 4.0E+02 | Trichlorobenzene, 1,2,4- | 120-82-1 | 2.4E+01 | c** | 1.1E+02 | c** | 2.1E+00 | n | 8.8E+00 | n | 1.2E+00 | c** | 70E+01 | 3.4E-01 | c** | 2.0E-01 | |
| | | | | 2.0E+00 | I | 5.0E+00 | I | V | 1 | | 8.4E+02 | Trichloroethane, 1,1,1- | 71-55-6 | 8.1E+03 | na | 3.6E+04 | na | 5.2E+03 | n | 2.2E+04 | n | 8.0E+03 | n | 2.0E+02 | 2.8E+00 | n | 7.0E-02 | |
| 5.7E-02 | I | 1.6E-05 | I | 4.0E-03 | I | 2.0E-04 | X | V | 1 | | 2.2E+03 | Trichloroethane, 1,1,2- | 79-00-5 | 1.1E+00 | c** | 5.0E+00 | c** | 1.8E-01 | c** | 7.7E-01 | c** | 2.3E-01 | c** | 5.0E+00 | 9.9E-05 | c** | 1.6E-03 | |
| 4.6E-02 | I | 4.1E-06 | I | 5.0E-04 | I | 3.0E-03 | I | V M | 1 | | 8.9E+02 | Trichloroethylene | 79-01-6 | 9.4E-01 | c** | 8.0E+00 | c** | 4.8E-01 | c** | 3.0E+00 | c** | 4.9E-01 | c** | 5.0E+00 | 1.8E-04 | c** | 1.6E-03 | |
| | | | | 3.0E-01 | I | | | V | 1 | | 1.2E+03 | Trichlorofluoromethane | 75-69-4 | 2.3E+04 | na | 3.6E+05 | sat | | | | | 5.2E+03 | n | | 3.3E+00 | n | | |
| | | | | 1.0E-01 | I | | | | 1 | 0.1 | | Trichlorophenol, 2,4,6- | 95-95-4 | 6.3E+03 | n | 8.2E+04 | n | | | | | 1.2E+03 | n | | 4.0E+00 | n | | |
| 1.1E-02 | I | 3.1E-06 | I | 1.0E-03 | P | | | | 1 | 0.1 | | Trichlorophenol, 2,4,5- | 88-06-2 | 4.8E+01 | c** | 2.1E+02 | c** | 9.1E-01 | c | 4.0E+00 | c | 4.1E+00 | c** | | 4.0E-03 | c** | | |
| | | | | 1.0E-02 | I | | | | 1 | 0.1 | | Trichlorophenoxyacetic Acid, 2,4,5- | 93-76-5 | 6.3E+02 | n | 8.2E+03 | n | | | | | 1.8E+02 | n | | 6.8E-02 | n | | |
| | | | | 8.0E-03 | I | | | | 1 | 0.1 | | Trichlorophenoxypropionic acid, -2,4,5 | 93-72-1 | 5.1E+02 | n | 6.6E+03 | n | | | | | 1.1E+02 | n | 5.0E+01 | 6.1E-02 | n | 2.8E-02 | |
| | | | | 5.0E-03 | I | | | V | 1 | | 1.3E+03 | Trichloropropane, 1,1,2- | 598-77-6 | 3.9E+02 | n | 5.8E+03 | na | | | | | 8.8E+01 | n | | 3.5E-02 | n | | |
| 3.0E+01 | I | | | 4.0E-03 | I | 3.0E-04 | I | V M | 1 | | 1.4E+03 | Trichloropropane, 1,2,3- | 96-18-4 | 6.1E-03 | c | 1.1E-01 | c | 3.1E-01 | n | 1.3E+00 | n | 7.6E-04 | c | | 3.7E-07 | n | | |
| | | | | 3.0E-03 | X | 3.0E-04 | P | V | 1 | | 3.1E+02 | Trichloropropene, 1,2,3- | 96-19-5 | 7.3E-01 | n | 3.1E+00 | n | 3.1E-01 | n | 1.3E+00 | n | 6.2E-01 | n | | 3.1E-04 | n | | |
| | | | | 2.0E-02 | A | | | | 1 | 0.1 | | Tricresyl Phosphate (TCP) | 1330-78-5 | 1.3E+03 | n | 1.6E+04 | n | | | | | 1.6E+02 | n | | 1.5E+01 | n | | |
| | | | | 3.0E-03 | I | | | | 1 | 0.1 | | Tridiphane | 58138-08-2 | 1.9E+02 | n | 2.5E+03 | n | | | | | 1.8E+01 | n | | 1.3E-01 | n | | |
| | | | | | | 7.0E-03 | I | V | 1 | | 2.8E+04 | Triethylamine | 121-44-8 | 1.2E+02 | n | 4.6E+02 | n | 7.3E+00 | n | 3.1E+01 | n | 1.5E+01 | n | | 4.4E-01 | n | | |
| | | | | 2.0E+00 | P | | | | 1 | 0.1 | | Triethylene Glycol | 112-27-6 | 1.3E+05 | nn | 1.6E+06 | nn | | | | | 4.0E+04 | n | | 5.8E+00 | n | | |
| | | | | | | 2.0E+01 | P | V | 1 | | 4.6E+03 | Trifluorethane, 1,1,1- | 420-46-2 | 1.5E+04 | na | 6.2E+04 | na | 2.1E+04 | n | 9.0E+04 | n | 4.2E+04 | n | | 1.3E+02 | n | | |
| 7.7E-03 | I | | | 7.5E-03 | I | | | V | 1 | | | Trifluralin | 1582-09-8 | 9.0E+01 | c** | 4.2E+02 | c* | | | | | 2.8E+00 | c* | | 8.4E-02 | c* | | |
| 2.0E-02 | P | | | 1.0E-02 | P | | | | 1 | 0.1 | | Trimethyl Phosphate | 512-56-1 | 2.7E+01 | c* | 1.1E+02 | c* | | | | | 3.6E+00 | c* | | 8.6E-04 | c* | | |
| | | | | | | 5.0E-03 | P | V | 1 | | 2.9E+02 | Trimethylbenzene, 1,2,3- | 526-73-8 | 4.9E+01 | n | 2.1E+02 | n | 5.3E+00 | n | 2.2E+01 | n | 1.0E+01 | n | | 1.5E-02 | n | | |
| | | | | | | 7.0E-03 | P | V | 1 | | 2.2E+02 | Trimethylbenzene, 1,2,4- | 95-63-6 | 5.8E+01 | n | 2.4E+02 | na | 7.3E+00 | n | 3.1E+01 | n | 1.3E+01 | n | | 2.1E-02 | n | | |
| | | | | 1.0E-02 | X | | | V | 1 | | 1.8E+02 | Trimethylbenzene, 1,3,5- | 108-67-8 | 7.8E+02 | na | 1.3E+04 | na | | | | | 1.2E+02 | n | | 1.7E-01 | n | | |
| | | | | 1.0E-02 | X | | | V | 1 | | 3.0E+01 | Trimethylpentane, 2,4,4- | 25167-70-8 | 7.8E+02 | na | 1.3E+04 | na | | | | | 6.5E+01 | n | | 2.2E-01 | n | | |
| | | | | 3.0E-02 | I | | | | 1 | 0.019 | | Trinitrobenzene, 1,3,5- | 99-35-4 | 2.2E+03 | n | 3.2E+04 | n | | | | | 5.9E+02 | n | | 3.1E+00 | n | | |
| 3.0E-02 | I | | | 5.0E-04 | I | | | | 1 | 0.032 | | Trinitrotoluene, 2,4,6- | 118-96-7 | 2.1E+01 | c** | 9.6E+01 | c** | | | | | 2.5E+00 | c** | | 1.5E-02 | c** | | |
| | | | | 2.0E-02 | P | | | | 1 | 0.1 | | Triphenylphosphine Oxide | 791-28-6 | 1.3E+03 | n | 1.6E+04 | n | | | | | 2.6E+02 | n | | 1.8E+00 | n | | |
| | | | | 2.0E-02 | A | | | | 1 | 0.1 | | Tris(1,3-Dichloro-2-propyl) Phosphate | 13674-87-8 | 1.3E+03 | n | 1.6E+04 | n | | | | | 3.6E+02 | n | | 8.0E+00 | n | | |
| | | | | 1.0E-02 | X | | | | 1 | 0.1 | | Tris(1-chloro-2-propyl)phosphate | 13674-84-5 | 6.3E+02 | n | 8.2E+03 | n | | | | | 1.8E+02 | n | | 6.6E-01 | n | | |
| 2.3E+00 | C | 5.9E-04 | C | | | | | V | 1 | | 4.7E+02 | Tris(2,3-dibromopropyl)phosphate | 126-72-7 | 2.8E-01 | c | 1.3E+00 | c | 4.3E-03 | c | 1.9E-02 | c | 6.8E-03 | c | | 1.3E-04 | c | | |
| 2.0E-02 | P | | | 7.0E-03 | P | | | | 1 | 0.1 | | Tris(2-chloroethyl)phosphate | 115-96-8 | 2.7E+01 | c* | 1.1E+02 | c* | | | | | 3.6E+00 | c* | | 3.6E-01 | c* | | |
| 3.2E-03 | P | | | 1.0E-01 | P | | | | 1 | 0.1 | | Tris(2-ethylhexyl)phosphate | 78-42-2 | 1.7E+02 | c* | 7.3E+02 | c | | | | | 2.4E+01 | c* | | 1.2E+02 | c* | | |
| | | | | 8.0E-04 | P | | | | 1 | | | Tungsten | 7440-33-7 | 6.3E+01 | n | 9.3E+02 | n | | | | | 1.8E+01 | n | | 2.4E+00 | n | | |
| | | | | 3.0E-03 | I | 4.0E-05 | A | | 1 | | | Uranium (Soluble Salts) | NA | 2.3E+02 | n | 3.6E+03 | n | 4.2E-02 | n | 1.6E-01 | n | 6.0E+01 | n | 3.0E+01 | 2.7E+01 | n | 1.4E+01 | |
| 1.0E+00 | C | 2.9E-04 | C | | | | | M | 1 | 0.1 | | Urethane | 51-79-6 | 1.2E-01 | c | 2.3E+00 | c | 3.6E-03 | c | 4.2E-02 | c | 2.5E-02 | c | | 5.0E-04 | c | | |
| | | 8.3E-03 | P | 9.0E-03 | I | 7.0E-06 | P | | 0.026 | | | Vanadium Pentoxide | 1314-62-1 | 4.8E+02 | c** | 2.0E+03 | c** | 3.4E-04 | c* | 1.5E-03 | c* | 1.5E+02 | n | | | n | | |
| | | | | 5.0E-03 | S | 1.0E-04 | A | | 0.026 | | | Vanadium and Compounds | 7440-62-2 | 3.0E+02 | n | 5.8E+03 | n | 1.0E-01 | n | 4.4E-01 | n | 8.8E+01 | n | | 8.6E+01 | n | | |
| | | | | 1.0E-03 | I | | | V | 1 | | | Vernolate | 1929-77-7 | 7.8E+01 | n | 1.2E+03 | n | | | | | 1.1E+01 | n | | 6.9E-03 | n | | |
| | | | | 2.5E-02 | I | | | | 1 | 0.1 | | Vinclozolin | 50471-44-8 | 1.6E+03 | n | 2.1E+04 | n | | | | | 4.4E+02 | n | | 3.4E-01 | n | | |
| | | | | 1.0E+00 | H | 2.0E-01 | I | V | 1 | | 2.8E+03 | Vinyl Acetate | 108-05-4 | 9.1E+02 | n | 5.8E+03 | na | 2.1E+02 | n | 8.8E+02 | n | 4.1E+02 | n | | 8.7E-02 | n | | |
| | | 3.2E-05 | H | | | 3.0E-03 | I | V | 1 | | 2.5E+03 | Vinyl Bromide | 593-60-2 | 1.2E-01 | c* | 5.2E-01 | c* | 6.6E-02 | c* | 3.6E-01 | c* | 1.8E-01 | c* | | 3.1E-06 | c* | | |
| 7.2E-01 | I | 4.4E-06 | I | 3.0E-03 | I | 1.0E-01 | I | V M | 1 | | 3.9E+03 | Vinyl Chloride | 75-01-4 | 5.9E-02 | c | 1.7E+00 | c | 1.7E-01 | c | 2.8E+00 | c | 1.9E-02 | c | 2.0E+00 | 8.6E-06 | c | 6.9E-04 | |
| | | | | 3.0E-04 | I | | | | 1 | 0.1 | | Warfarin | 81-81-2 | 1.9E+01 | n | 2.5E+02 | n | | | | | 5.6E+00 | n | | 3.9E-03 | n | | |
| | | | | 2.0E-01 | S | 1.0E-01 | S | V | 1 | | 3.9E+02 | Xylene, P- | 106-42-3 | 5.8E+02 | na | 2.4E+03 | na | 1.0E+02 | n | 4.4E+02 | n | 1.9E+02 | n | | 1.9E-01 | n | | |
| | | 2.0E-01 | S | 1.0E-01 | S | V | 1 | | 3.9E+02 | Xylene, m- | 108-38-3 | 5.8E+02 | na | 2.4E+03 | na | 1.0E+02 | n | 4.4E+02 | n | 1.9E+02 | n | | 1.9E-01 | n | | |
| | | 2.0E-01 | S | 1.0E-01 | S | V | 1 | | 4.3E+02 | Xylene, o- | 95-47-6 | 6.5E+02 | na | 2.8E+03 | na | 1.0E+02 | n | 4.4E+02 | n | 1.9E+02 | n | | 1.9E-01 | n | | |
| | | 2.0E-01 | I | 1.0E-01 | I | V | 1 | | 2.6E+02 | Xylenes | 1330-20-7 | 5.8E+02 | na | 2.5E+03 | na | 1.0E+02 | n | 4.4E+02 | n | 1.9E+02 | n | 1.0E+04 | 1.9E-01 | n | 9.9E+00 | |
| | | 3.0E-04 | I | | | | | | 1 | | | Zinc Phosphide | 1314-84-7 | 2.3E+01 | n | 3.5E+02 | n | | | | | 8.0E+00 | n | | | n | | |
| | | 3.0E-01 | I | | | | | | 1 | | | Zinc and Compounds | 7440-66-6 | 2.3E+04 | n | 3.5E+05 | nm | | | | | 6.0E+03 | n | | 3.7E+03 | n | | |
| | | | | 5.0E-02 | I | | | | 1 | 0.1 | | Zineb | 12122-67-7 | 3.2E+03 | n | 4.1E+04 | n | | | | | 9.9E+02 | n | | 2.9E+02 | n | | |
| | | | | 8.0E-05 | X | | | | 1 | | | Zirconium | 7440-67-7 | 2.3E+00 | n | 3.3E+01 | n | | | | | 1.0E+00 | n | | 4.6E+00 | n | | |

TR=1E-0
HQ=1.0

# APPENDIX D

## SCDHEC MONITORING WELL APPROVAL

dhec

Healthy People. Healthy Communities.

# Temporary Monitoring Well Approval

| | |
|---|---|
| Approval is hereby granted to: | William (Chad) McClary PG/Emerald Inc |
| on behalf of: | City of Sumter |
| Facility: | South Harvin St |
| County: | Sumter |

This approval is for the installation of 8 temporary groundwater-monitoring wells. The temporary wells are to be installed in the locations as illustrated on the submitted map and per the proposed construction details provided by your correspondence dated 7/27/16. The temporary wells are to be installed following all of the applicable requirements of R.61-71.

***Please note that R.61-71 requires the following:***

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless the Department has approved another schedule. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
3. All analytical data and water levels obtained from each monitoring well shall be submitted to the Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.
4. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c.
5. If any of the information provided to the Department changes, Jonathan McInnis (803 896-4061, mcinnijg@dhec.sc.gov) shall be notified a minimum of twenty-four hours prior to well construction as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002.

**Date of Issuance: 7/28/16** **Approval #: MW-10742**

Jonathan G. McInnis, Program Manager
Federal & State Site Assessment
Site Assessment Remediation & Revitalization Division
Bureau of Land & Waste Management